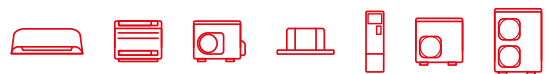


TOSHIBA

EXPERIENCE
THE FUTURE



Retail Price List 2025

Updated from 25th April 2025 - GBP Edition

Cool Solutions
Distribution Ltd

TOSHIBA

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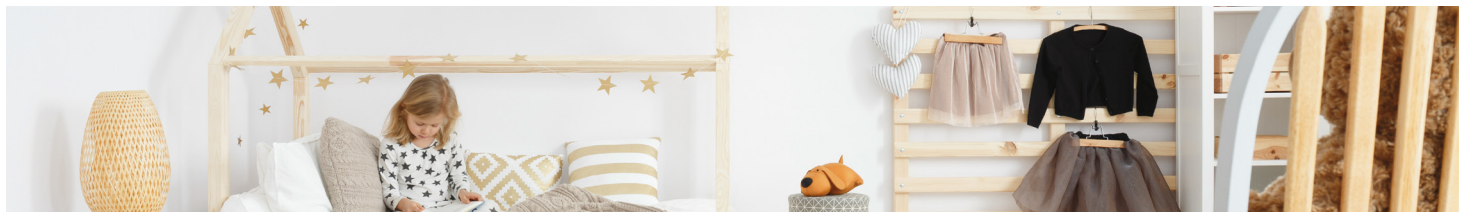
The information Shown in this price list is based on the following

- * Values are based on maximum compressor output.
- * The sound pressure levels are based on; Outdoor units at 1m distance, indoor units at 1.5m distance.
- * Rated capacities are based on NEMA - Cooling; indoor air temperature 27 °C DB/19 °C WB, outdoor air temperature 35 °C DB/24 °C WB. Heating; indoor air temperature 20 °C DB, outdoor air temperature 7 °C DB.
- * UK capacities are based on the following conditions - Cooling; indoor air temperature 23 °C db/16 °C WB, outdoor air temperature 29 °C DB, 5m or 7.5m (dependent on model) pipe run and high fan speed. Heating; indoor air temperature 20 °C DB, outdoor air temperature -5 °C DB/100% RH, 5m or 7.5m pipe run and high fan speed.

TOSHIBA

RESIDENTIAL AIR TO AIR

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TOSHIBA

SEIYA



RAS High-Wall Inverter Split System - SEIYA

Indoor Unit	RAS-	B05E2KVG-E	B07E2KVG-E	B10E2KVG-E	B13E2KVG-E
Indoor Unit Retail Price		£220	£223	£228	£240
Outdoor Unit	RAS-	05E2AVG-E	07E2AVG-E	10E2AVG-E	13E2AVG-E
Outdoor Unit Retail Price		£451	£459	£478	£548
System Retail Price*		£671	£682	£706	£788
Rated Cooling capacity	kW	1.5	2.0	2.5	3.3
Rated Heating capacity	kW	2.0	2.5	3.2	3.6
UK Cooling Total/Sensible	kW	1.47/1.22	1.95/1.57	2.44/1.93	3.22/2.49
UK Heating	kW	1.18	1.60	2.03	2.20
SEER - SCOP - Energy Label		6.90 - 4.60 - A++/A++	6.20 - 4.60 - A++/A++	7.00 - 4.60 - A++/A++	7.00 - 4.60 - A++/A++
Weight ID - OD	kg	9 - 21	9 - 21	9 - 22	9 - 22
Dimensions (H x W x D) - ID	mm	288 x 770 x 225	288 x 770 x 225	288 x 770 x 225	288 x 770 x 225
Dimensions (H x W x D) - OD	mm	530 x 660 x 240	530 x 660 x 240	530 x 660 x 240	530 x 660 x 240
Indoor Airflow (High - Low)	l/s	134 - 53	140 - 55	144 - 64	208 - 92
Outdoor Airflow (High)	m ³ /h - l/s	1690 - 470	1800 - 500	1800 - 500	1980 - 550
Sound pressure level - ID - OD**	dB(A)	37/19 - 48	38/19 - 49	39/20 - 49	42/20 - 49
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4
Min/Max Pipe Length - Height	m	2/15 - 12	2/15 - 12	2/15 - 12	2/15 - 12
Chargeless pipe length	m	15	15	15	15
Refrigerant - additional charge	Type/kg/g	R32/0.34/0	R32/0.34/0	R32/0.49/0	R32/0.54/0

* Standard wireless remote controller included in system price (WH-TG01NE)

** Figures given for the indoor unit are at high/low fan speeds

*** Power to indoor or Outdoor



RAS High-Wall Inverter Split System - SEIYA (Continued)

Indoor Unit	RAS-	B16E2KVG-E	B18E2KVG-E	B24E2KVG-E
Indoor Unit Retail Price		£295	£351	£421
Outdoor Unit	RAS-	16E2AVG-E	18E2AVG-E	24E2AVG-E
Outdoor Unit Retail Price		£787	£943	£1,132
System Retail Price*		£1,082	£1,294	£1,553
Rated Cooling capacity	kW	4.2	5.0	6.5
Rated Heating capacity	kW	5.0	5.4	7.0
UK Cooling Total/Sensible	kW	4.49/3.36	4.88/3.57	6.35/4.40
UK Heating	kW	3.33	3.34	4.31
SEER - SCOP - Energy Label		7.00 - 4.60 - A++/A++	7.00 - 4.40 - A++/A+	6.90 - 4.30 - A++/A+
Weight ID - OD	kg	9 - 30	9 - 34	15 - 38
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	293 x 798 x 230	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Indoor Airflow (High - Low)	l/s	212 - 92	233 - 133	298 - 183
Outdoor Airflow (High)	m ³ /h - l/s	2160 - 600	2160 - 600	2220 - 617
Sound pressure level - ID - OD**	dB(A)	43/22 - 51	48/26 - 51	48/29 - 54
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	1/2 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Height	m	2/20 - 12	2/20 - 12	2/20 - 12
Chargeless pipe length	m	15	15	15
Refrigerant - additional charge	Type/kg/g	R32/0.68/20	R32/0.93/20	R32/1.18/20

* Standard wireless remote controller included in system price (WH-TG01NE)

** Figures given for the indoor unit are at high/low fan speeds

*** Power to indoor or Outdoor

TOSHIBA

SHORAI EDGE



RAS High-Wall Inverter Split System - SHORAI Edge Black

Indoor Unit	RAS-	B10G3KVSGB-E	B13G3KVSGB-E	B16G3KVSGB-E
Indoor Unit Retail Price		£529	£573	£637
Outdoor Unit	RAS-	10J2AVSG-E1	13J2AVSG-E1	16J2AVSG-E1
Outdoor Unit Retail Price		£783	£972	£1,188
System Retail Price*		£1,312	£1,545	£1,825
Rated Cooling capacity	kW	2.5	3.5	4.6
Rated Heating capacity	kW	3.2	4.2	5.5
UK Cooling Total/Sensible	kW	3.42/2.74	4.49/3.56	4.88/3.57
UK Heating	kW	2.61	3.59	3.83
SEER - SCOP - Energy Label		8.60 - 5.10 - A+++/A+++	8.60 - 5.10 - A+++/A+++	7.80 - 4.60 - A++/A++
Weight ID - OD	kg	10 - 26	10 - 30	10 - 33
Dimensions (H x W x D) - ID	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Dimensions (H x W x D) - OD	mm	293 x 800 x 226	293 x 800 x 226	293 x 800 x 226
Indoor Airflow (High - Low)	l/s	183 - 86	203 - 95	211 - 100
Outdoor Airflow (High)	m ³ /h - l/s	1890 - 524	1950 - 540	2040 - 566
Sound pressure level - ID - OD**	dB(A)	40/19 - 46	43/19 - 48	44/22 - 50
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Height	m	2/20 - 12	2/20 - 12	2/20 - 12
Chargeless pipe length	m	15	15	15
Refrigerant - additional charge	Type/kg/g	R32/0.55/20	R32/0.80/20	R32/0.80/20

* Standard wireless remote controller included in system price (WH-UA04UE)

** Figures given for the indoor unit are at high/low fan speeds

*** Power to indoor or Outdoor



RAS High-Wall Inverter Split System - SHORAI Edge Black - (Continued)

Indoor Unit	RAS-	B18G3KVSGB-E	B22G3KVSGB-E	B24G3KVSGB-E
Indoor Unit Retail Price		£726	£761	£849
Outdoor Unit	RAS-	18J2AVSG-E1	22J2AVSG-E1	24J2AVSG-E1
Outdoor Unit Retail Price		£1,316	£1,454	£1,683
System Retail Price*		£2,042	£2,215	£2,532
Rated Cooling capacity	kW	5.0	6.1	7.0
Rated Heating capacity	kW	6.0	7.0	8.0
UK Cooling Total/Sensible	kW	5.96/4.24	6.84/4.71	6.84/4.71
UK Heating	kW	3.98	5.27	5.27
SEER - SCOP - Energy Label		7.30 - 4.60 - A++/A++	7.30 - 4.60 - A++/A++	6.30 - 4.10 - A++/A+
Weight ID - OD	kg	14 - 34	14 - 34	14 - 42
Dimensions (H x W x D) - ID	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300
Dimensions (H x W x D) - OD	mm	320 x 1053 x 245	320 x 1053 x 245	320 x 1053 x 245
Indoor Airflow (High - Low)	l/s	275 - 158	300 - 191	316 - 200
Outdoor Airflow (High)	m ³ /h - l/s	2076 - 576	2184 - 607	2916 - 810
Sound pressure level - ID - OD**	dB(A)	44/26 - 50	46/27 - 51	48/28 - 53
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	1/2 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Height	m	2/20 - 12	2/20 - 12	2/25 - 15
Chargeless pipe length	m	15	15	15
Refrigerant - additional charge	Type/kg/g	R32/1.10/20	R32/1.10/20	R32/1.14/20

* Standard wireless remote controller included in system price (WH-UA04UE)

** Figures given for the indoor unit are at high/low fan speeds

*** Power to indoor or Outdoor

TOSHIBA

SHORAI EDGE



RAS High-Wall Inverter Split System - SHORAI Edge White

Indoor Unit	RAS-	B10G3KVSG-E	B13G3KVSG-E	B16G3KVSG-E
Indoor Unit Retail Price		£470	£501	£554
Outdoor Unit	RAS-	10J2AVSG-E1	13J2AVSG-E1	16J2AVSG-E1
Outdoor Unit Retail Price		£783	£972	£1,188
System Retail Price*		£1,253	£1,473	£1,742
Rated Cooling capacity	kW	2.5	3.5	4.6
Rated Heating capacity	kW	3.2	4.2	5.5
UK Cooling Total/Sensible	kW	3.42/2.74	4.49/3.56	4.88/3.57
UK Heating	kW	2.61	3.59	3.83
SEER - SCOP - Energy Label		8.60 - 5.10 - A+++/A+++	8.60 - 5.10 - A+++/A+++	7.80 - 4.60 - A++/A++
Weight ID - OD	kg	10 - 26	10 - 30	10 - 33
Dimensions (H x W x D) - ID	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Dimensions (H x W x D) - OD	mm	293 x 800 x 226	293 x 800 x 226	293 x 800 x 226
Indoor Airflow (High - Low)	l/s	183 - 86	203 - 95	211 - 100
Outdoor Airflow (High)	m ³ /h - l/s	1890 - 524	1950 - 540	2040 - 566
Sound pressure level - ID - OD**	dB(A)	40/19 - 46	43/19 - 48	44/22 - 50
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Height	m	2/20 - 12	2/20 - 12	2/20 - 12
Chargeless pipe length	m	15	15	15
Refrigerant - additional charge	Type/kg/g	R32/0.55/20	R32/0.80/20	R32/0.80/20

* Standard wireless remote controller included in system price (WH-UA06UE)

** Figures given for the indoor unit are at high/low fan speeds

*** Power to indoor or Outdoor



RAS High-Wall Inverter Split System - SHORAI Edge White - (Continued)

Indoor Unit	RAS-	B18G3KVSG-E	B22G3KVSG-E	B24G3KVSG-E
Indoor Unit Retail Price		£638	£667	£737
Outdoor Unit	RAS-	18J2AVSG-E1	22J2AVSG-E1	24J2AVSG-E1
Outdoor Unit Retail Price		£1,316	£1,454	£1,683
System Retail Price*		£1,954	£2,121	£2,420
Rated Cooling capacity	kW	5.0	6.1	7.0
Rated Heating capacity	kW	6.0	7.0	8.0
UK Cooling Total/Sensible	kW	5.96/4.24	6.84/4.71	6.84/4.71
UK Heating	kW	3.98	5.27	5.27
SEER - SCOP - Energy Label		7.30 - 4.60 - A++/A++	7.30 - 4.60 - A++/A++	6.30 - 4.10 - A++/A+
Weight ID - OD	kg	14 - 34	14 - 34	14 - 42
Dimensions (H x W x D) - ID	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300
Dimensions (H x W x D) - OD	mm	320 x 1053 x 245	320 x 1053 x 245	320 x 1053 x 245
Indoor Airflow (High - Low)	l/s	275 - 158	300 - 191	316 - 200
Outdoor Airflow (High)	m ³ /h - l/s	2076 - 576	2184 - 607	2916 - 810
Sound pressure level - ID - OD**	dB(A)	44/26 - 50	46/27 - 51	48/28 - 53
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	1/2 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Height	m	2/20 - 12	2/20 - 12	2/25 - 15
Chargeless pipe length	m	15	15	15
Refrigerant - additional charge	Type/kg/g	R32/1.10/20	R32/1.10/20	R32/1.14/20

* Standard wireless remote controller included in system price (WH-UA06UE)

** Figures given for the indoor unit are at high/low fan speeds

*** Power to indoor or Outdoor

TOSHIBA

HAORI



RAS High-Wall Inverter Split System - HAORI

Indoor Unit	RAS-	B10N4KVRG-E1	B13N4KVRG-E	B16N4KVRG-E
Indoor Unit Retail Price		£643	£670	£752
Outdoor Unit	RAS-	10J2AVSG-E1	13J2AVSG-E1	16J2AVSG-E1
Outdoor Unit Retail Price		£783	£972	£1,188
System Retail Price*		£1,426	£1,642	£1,940
Rated Cooling capacity	kW	2.5	3.5	4.6
Rated Heating capacity	kW	3.2	4.2	5.5
UK Cooling Total/Sensible	kW	2.44/1.93	3.42/2.64	4.49/3.42
UK Heating	kW	1.86	2.54	3.37
SEER - SCOP - Energy Label		8.50 - 5.10 - A+++/A+++	8.70 - 5.10 - A+++/A+++	7.80 - 4.60 - A+++/A+++
Weight ID - OD	kg	11 - 26	11 - 30	12 - 33
Dimensions (H x W x D) - ID	mm	300 x 987 x 210	300 x 987 x 210	300 x 987 x 210
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Indoor Airflow (High - Low)	l/s	169 - 83	189 - 89	202 - 94
Outdoor Airflow (High)	m ³ /h - l/s	1890 - 524	1950 - 540	2040 - 566
Sound pressure level - ID - OD**	dB(A)	41/19 - 46	43/19 - 48	45/22 - 50
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Height	m	2/20 - 12	2/20 - 12	2/20 - 12
Chargeless pipe length	m	15	15	15
Refrigerant - additional charge	Type/kg/g	R32/0.55/20	R32/0.80/20	R32/0.80/20

* Standard wireless remote controller included in system price (WH-UA01UE)

** Figures given for the indoor unit are at high/low fan speeds

*** Power to indoor or Outdoor



RAS High-Wall Inverter Split System - DAISEIKAI 10 White

Indoor Unit	RAS-	B10S4KVPG-E	B13S4KVPG-E	B18S4KVPG-E
Indoor Unit Retail Price		£791	£816	£864
Outdoor Unit	RAS-	10S4AVPG-E	13S4AVPG-E	18S4AVPG-E
Outdoor Unit Retail Price		£1,389	£1,473	£1,902
System Retail Price*		£2,180	£2,289	£2,766
Rated Cooling capacity	kW	2.5	3.5	5.0
Rated Heating capacity	kW	3.2	4.0	6.0
UK Cooling Total/Sensible	kW	2.44/2.03	3.42/2.74	4.40/3.56
UK Heating	kW	1.9	2.51	3.43
SEER - SCOP - Energy Label		10.70 - 5.30 - A+++/A+++	9.70 - 5.20 - A+++/A+++	8.60 - 4.80 - A+++/A+++
Weight ID - OD	kg	14 - 38	14 - 38	14 - 38
Dimensions (H x W x D) - ID	mm	293 x 930 x 255	293 x 930 x 255	293 x 930 x 255
Dimensions (H x W x D) - OD	mm	630 x 800 x 300	630 x 800 x 300	630 x 800 x 300
Indoor Airflow (High - Low)	l/s	194 - 83	208 - 91	222 - 97
Outdoor Airflow (High)	m3/h - l/s	2100 - 583	2160 - 600	2220 - 616
Sound pressure level - ID - OD**	dB(A)	44/20 - 47	45/20 - 50	46/22 - 50
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Height	m	2/25 - 15	2/25 - 15	2/25 - 15
Chargeless pipe length	m	15	15	15
Refrigerant - additional charge	Type/kg/g	R32/1.00/20	R32/1.00/20	R32/1.00/20

* Standard wireless remote controller included in system price (WH-UD02UE)

** Figures given for the indoor unit are at high/low fan speeds

*** Power to indoor or Outdoor

TOSHIBA

DAISEIKAI



RAS High-Wall Inverter Split System - DAISEIKAI 10 Wood

Indoor Unit	RAS-	B10S4KVDG-E	B13S4KVDG-E	B18S4KVDG-E
Indoor Unit Retail Price		£998	£1,034	£1,128
Outdoor Unit	RAS-	10S4AVPG-E	13S4AVPG-E	18S4AVPG-E
Outdoor Unit Retail Price		£1,389	£1,473	£1,902
System Retail Price*		£2,387	£2,507	£3,030
Rated Cooling capacity	kW	2.5	3.5	5.0
Rated Heating capacity	kW	3.2	4.0	6.0
UK Cooling Total/Sensible	kW	2.44/2.03	3.42/2.74	4.40/3.56
UK Heating	kW	1.9	2.51	3.43
SEER - SCOP - Energy Label		10.70 - 5.30 - A+++ / A+++	9.70 - 5.20 - A+++ / A+++	8.60 - 4.80 - A+++ / A+++
Weight ID - OD	kg	16 - 38	16 - 38	16 - 38
Dimensions (H x W x D) - ID	mm	293 x 940 x 257	293 x 940 x 257	293 x 940 x 257
Dimensions (H x W x D) - OD	mm	630 x 800 x 300	630 x 800 x 300	630 x 800 x 300
Indoor Airflow (High - Low)	l/s	194 - 83	208 - 91	222 - 97
Outdoor Airflow (High)	m ³ /h - l/s	2100 - 583	2160 - 600	2220 - 616
Sound pressure level - ID - OD**	dB(A)	44/20 - 47	45/20 - 50	46/22 - 50
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Height	m	2/25 - 15	2/25 - 15	2/25 - 15
Chargeless pipe length	m	15	15	15
Refrigerant - additional charge	Type/kg/g	R32/1.00/20	R32/1.00/20	R32/1.00/20

* Standard wireless remote controller included in system price (WH-UD01UE)

** Figures given for the indoor unit are at high/low fan speeds

*** Power to indoor or Outdoor



RAS High-Wall Inverter Split System - Bi-Flow Console

Indoor Unit	RAS-	B10J2FVG-E	B13J2FVG-E	B18J2FVG-E
Indoor Unit Retail Price		£774	£843	£935
Outdoor Unit	RAS-	10J2AVSG-E1	13J2AVSG-E1	18J2AVSG-E1
Outdoor Unit Retail Price		£783	£972	£1,316
System Retail Price*		£1,557	£1,815	£2,251
Rated Cooling capacity	kW	2.5	3.5	5.0
Rated Heating capacity	kW	3.2	4.2	6.0
UK Cooling Total/Sensible	kW	2.44/2.03	3.42/2.74	4.40/3.56
UK Heating	kW	1.9	2.51	3.43
SEER - SCOP - Energy Label		7.20 - 4.70 - A++/A++	7.00 - 4.70 - A++/A++	6.80 - 4.60 - A++/A++
Weight ID - OD	kg	16 - 26	16 - 30	16 - 34
Dimensions (H x W x D) - ID	mm	600 x 700 x 220	600 x 700 x 220	600 x 700 x 220
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Indoor Airflow (High - Low)	l/s	136 - 71	153 - 75	183 - 101
Outdoor Airflow (High)	m ³ /h - l/s	1890 - 524	1950 - 540	2076 - 576
Sound pressure level - ID - OD**	dB(A)	39/23 - 47	40/24 - 49	47/31 - 51
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Height	m	2/20 - 12	2/20 - 12	2/20 - 12
Chargeless pipe length	m	15	15	15
Refrigerant - additional charge	Type/kg/g	R32/0.51/20	R32/0.67/20	R32/1.10/20

* Standard wireless remote controller included in system price (WH-TA12LE)

** Figures given for the indoor unit are at high/low fan speeds

*** Power to Outdoor

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RAS Multi - Split Inverter Outdoor Unit - G3

Outdoor unit	RAS-	2M10G3AVG-E	2M14G3AVG-E	2M18G3AVG-E
Rooms		2-room Multisplit	2-room Multisplit	2-room Multisplit
Outdoor Unit Retail Price		£1,145	£1,169	£1,310
Rated Cooling capacity	kW	3.3	4.0	5.2
Rated Heating capacity	kW	4.0	4.4	5.6
(Capacity Code) 2 x Indoor Connection	Min - Max.	10 - 20	10 - 26	10 - 32
(Capacity Code) 3 x Indoor Connection		-	-	-
(Capacity Code) 4 x Indoor Connection		-	-	-
(Capacity Code) 5 x Indoor Connection		-	-	-
SEER - SCOP - Energy Label		8.60 - 4.70 - A+++ / A++	8.70 - 4.80 - A+++ / A++	8.70 - 4.80 - A+++ / A++
Weight	kg	31	35	43
Dimensions (H x W x D)	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300
Outdoor Airflow (High)	m ³ /h - l/s	2100-583	2250-625	2600-722
Sound pressure level - OD*	dB(A)	51/46	52/46	50/44
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16
Interconnecting Cable**		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 x 2 - 1/4 x 2	3/8 x 2 - 1/4 x 2	1/4 x 2 - 3/8 x 2
Maximum pipe length (per unit/total) - Height	m	15/20 - 10	20/30 - 10	20/30 - 10
Chargeless pipe length	m	20	30	30
Refrigerant - additional charge	Type/kg/g	R32/0.80/0	R32/0.95/0	R32/1.20/0

* Figures given for the outdoor unit are at high/low

** Power to Outdoor



RAS Multi - Split Inverter Outdoor Unit - G3 (Continued)

Outdoor unit	RAS-	3M18G3AVG-E	3M26G3AVG-E
Rooms		3-room Multisplit	3-room Multisplit
Outdoor Unit Retail Price		£1,852	£2,192
Rated Cooling capacity	kW	5.2	7.5
Rated Heating capacity	kW	6.8	9.0
(Capacity Code) 2 x Indoor Connection	Min - Max.	10 - 32	10 - 42
(Capacity Code) 3 x Indoor Connection		15 - 36	15 - 54
(Capacity Code) 4 x Indoor Connection		-	-
(Capacity Code) 5 x Indoor Connection		-	-
SEER - SCOP - Energy Label		8.60 - 4.80 - A+++ / A++	8.50 - 4.60 - A+++ / A++
Weight	kg	44	67
Dimensions (H x W x D)	mm	630 x 800 x 300	890 x 900 x 320
Outdoor Airflow (High)	m ³ /h - l/s	2800-778	3700-1028
Sound pressure level - OD*	dB(A)	52/46	53/45
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16
Interconnecting Cable**		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 x 2 + 1/2 x 1 - 1/4 x 3	3/8 x 1 + 1/2 x 2 - 1/4 x 3
Maximum pipe length (per unit/total) - Height	m	25/50 - 10	25/ 70 - 15
Chargeless pipe length	m	50	40
Refrigerant - additional charge	Type/kg/g	R32/1.25/0	R32/1.90/20

* Figures given for the outdoor unit are at high/low

** Power to Outdoor

TOSHIBA



RAS Multi - Split Inverter Outdoor Unit - G3 (Continued)

Outdoor unit	RAS-	4M27G3AVG-E	5M34G3AVG-E
Rooms		4-room Multisplit	5-room Multisplit
Outdoor Unit Retail Price		£2,673	£3,043
Rated Cooling capacity	kW	8.0	10.0
Rated Heating capacity	kW	9.0	12.0
(Capacity Code) 2 x Indoor Connection	Min - Max.	10 - 42	10 - 48
(Capacity Code) 3 x Indoor Connection		15 - 54	15 - 48
(Capacity Code) 4 x Indoor Connection		20 - 52	20 - 68
(Capacity Code) 5 x Indoor Connection		-	25 - 68
SEER - SCOP - Energy Label		8.30 - 4.50 - A++/A+	7.20 - 4.30 - A++/A+
Weight	kg	68	78
Dimensions (H x W x D)	mm	890 x 900 x 320	890 x 900 x 320
Outdoor Airflow (High)	m ³ /h - l/s	3700-1028	4400-1222
Sound pressure level - OD*	dB(A)	54/45	56/47
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 20	220/240-1-50 & 20
Interconnecting Cable**		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 x 2 + 1/2 x 2 - 1/4 x 4	3/8 x 3 + 1/2 x 2 - 1/4 x 5
Maximum pipe length (per unit/total) - Height	m	25/70 - 15	25/80 - 15
Chargeless pipe length	m	40	40
Refrigerant - additional charge	Type/kg/g	R32/2.05/20	R32/2.39/20

* Figures given for the outdoor unit are at high/low

** Power to Outdoor



RAS Multi - Split Inverter Outdoor Unit - Combinations

RAS Indoor Model	Cooling kW	Heating kW	SEIYA*	SHORAI EDGE B&W*	HAORI*	DAISEIKAI 10*	CONSOLE*	CASSETTE**	Ducted**
05	1.5	2.0	✓	✗	✗	✗	✗	✗	✗
07	2.0	2.7	✓	✗	✗	✗	✗	✗	✓
10	2.7	4.0	✓	✓	✓	✓	✓	✓	✓
13	3.7	5.0	✓	✓	✓	✓	✓	✓	✓
16	4.5	5.5	✓	✓	✓	✗	✗	✓	✓
18	5.0	6.0	✓	✓	✗	✓	✓	✗	✗
22	6.0	7.0	✗	✓	✗	✗	✗	✗	✓
24	7.1	8.1	✓	✓	✗	✗	✗	✗	✓



Available



Not available

* Available for single and multi connection

** Available for multi connection only

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RAS Multi Split - indoor Unit - Compact Cassette

Indoor unit (600X600 Cassette)	RAS-	M10S4MUVG-E	M13S4MUVG-E	M16S4MUVG-E
Fascia Panel	RBC-	UM21P-E	UM21P-E	UM21P-E
Indoor Unit Retail Price		£1,269	£1,344	£1,401
Remote Controller	RBC-	AXU31UMP-E	AXU31UMP-E	AXU31UMP-E
Remote Controller Retail Price		£132	£132	£132
Indoor Unit Retail Price (inc. Fascia Panel & Controller) *		£1,401	£1,476	£1,533
Rated Cooling capacity	kW	2.5	3.5	4.6
Rated Heating capacity	kW	3.2	4.2	5.5
UK Cooling Total/Sensible	kW	2.44/2.03	3.42/2.74	4.49/3.56
UK Heating	kW	2.1	2.6	3.5
Weight ID - Panel	kg	16 - 3	16 - 3	16 - 3
Dimensions (H x W x D) - ID	mm	244 x 575 x 575	244 x 575 x 575	244 x 575 x 575
Dimensions (H x W x D) - Panel	mm	12 x 620 x 620	12 x 620 x 620	12 x 620 x 620
Indoor Airflow (High - Low)	l/s	164 - 119	172 - 119	189 - 125
Sound pressure level - ID **	dB(A)	37/30	39/33	41/33
Power Supply OD to ID	V-ph-Hz	220/240-1-50	220/240-1-50	220/240-1-50
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)	Inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4

* RBC-AMSU52-E (£156) available as optional accessories

** Figures given for the indoor unit are at high/low fan speeds

*** Figures given for S4MUVG model - For other models please refer to engineering book



RAS Multi Split - indoor Unit - Slim Ducted

Indoor Unit	RAS-	M07U2DVG-E	M10U2DVG-E	M13U2DVG-E
Indoor Unit Retail Price*		£959	£972	£985
Rated Cooling capacity	kW	2.0	2.7	3.7
Rated Heating capacity	kW	2.7	4.0	5.0
UK Cooling Total/Sensible	kW	1.95/1.57	2.44/1.93	3.22/2.49
UK Heating	kW	1.60	2.0	2.20
Weight ID	kg	16	16	16
Dimensions (H x W x D) - ID	mm	210 x 700 x 450	210 x 700 x 450	210 x 700 x 450
Indoor Airflow (High - Low)	l/s	158 - 106	158 - 106	169 - 107
External Static Pressure (Upper - Lower)	Pa	(10 - 45)	(10 - 45)	(10 - 45)
Sound pressure level - ID ***	dB(A)	35/27	35/27	37/27
Power Supply OD to ID	V-ph-Hz	220/240-1-50	220/240-1-50	220/240-1-50
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)	Inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4

* Standard wireless remote controller included in system price (WH-TA04NE)

** RB-RWS21-E (£220) available as optional accessories

*** Figures given for the indoor unit are at high/low fan speeds

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RAS Multi Split - indoor Unit - Slim Ducted (Continued)

Indoor Unit	RAS-	M16U2DVG-E	M22U2DVG-E	M24U2DVG-E
Indoor Unit Retail Price*		£1,050	£1,227	£1,268
Rated Cooling capacity	kW	4.5	6.0	7.1
Rated Heating capacity	kW	5.5	7.0	8.1
UK Cooling Total/Sensible	kW	4.49/3.36	5.96/4.24	6.84/4.71
UK Heating	kW	3.3	4.0	5.3
Weight ID	kg	19	22	22
Dimensions (H x W x D) - ID	mm	210 x 900 x 450	210 x 1100 x 450	210 x 1100 x 450
Indoor Airflow (High - Low)	l/s	217 - 117	278 - 206	294 - 211
External Static Pressure (Upper - Lower)	Pa	(10 - 45)	(10 - 45)	(10 - 45)
Sound pressure level - ID ***	dB(A)	35/24	38/32	39/33
Power Supply OD to ID	V-ph-Hz	220/240-1-50	220/240-1-50	220/240-1-50
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)	Inch	1/2 - 1/4	1/2 - 1/4	1/2 - 1/4

* Standard wireless remote controller included in system price (WH-TA04NE)

** RB-RWS21-E (£220) available as optional accessories

*** Figures given for the indoor unit are at high/low fan speeds

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RAS Accessories

RAS Accessories	Model	Description	Price
Wireless Controller			
Wireless Controller	RB-RXS31-E	Weekly-Timer, IMS Combination (WH-TA03EE)	£80
	RB-RXS33-E	Remote Controller Weekly-Timer (WH-TA15PE)	£80
	RB-RXS34-E	Remote Controller RAS (Seiya, Shorai, Console, Daiseikai)	£92
Controller Wired			
Controller Wired	RB-RWS21-E	Hard Wired Remote Controller RAS Ducted	£220
	RBC-AMSU52-E	Hard Wired Remote Controller RAS Cassette	£156
Indoor Interfaces			
Indoor Interface	TCB-SSRL011UUP-E	RAS TU2C-Link interface for Central Control	£152
	RB-N105S-G	Wi-Fi Adapter	£146
	RB-N106S-G	Wi-Fi Adapter & Cable	£153
Fabric Covers			
Fabric Cover	RB-14101-E	RAS HAORI Fabric Dark Grey	£75
	RB-14102-E	RAS HAORI Fabric Light Grey	£75
	RB-14103-E	RAS HAORI Fabric Bluish Grey	£93
	RB-14104-E	RAS HAORI Fabric Grey Beige	£93
	RB-14105-E	RAS HAORI Fabric Dark Brown	£93
	RB-14106-E	RAS HAORI Fabric Emerald Blue	£93
Anti-Corrosion/Paint Coating			
Anti-Corrosion Coating*	CACC-SF	Single Fan Unit Coil Anti-Corrosion Coating	£327
Paint Coating *	PAINT-SF	Single Fan Chassis Colour change (RAL Number required)	£415

*Additional delivery charges may apply

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RAV Digital Inverters	Pages		Pages
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RAV Standard Cassette - Digital Inverter Classic - Series 1	25 - 27	RAV Twin-Split Standard Cassette - Digital Inverter - Series 1	53 - 55
RAV Standard Ducted - Digital Inverter Classic - Series 1	28 - 30	RAV Twin-Split Ceiling - Digital Inverter - Series 1	56 - 58
RAV High-Wall - Digital Inverter - Series 1	31 - 32	RAV Twin-Split Standard Duct - Digital Inverter - Series 1	59 - 61
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RAV Floor Standing - Digital Inverter - Series 1	46 - 47	RAV Triple-Split Floor-Standing - Digital Inverter - Series 1	75
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RAV Digital Inverters	Pages		Pages
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RAV Quad-Split Ceiling - Digital Inverter - Series 1	80 - 82	RAV Triple-Split Standard Cassette - Super Digital Inverter - Series 1	122
RAV Quad-Split Standard Duct - Digital Inverter - Series 1	83	RAV Triple-Split Slim Ducted - Super Digital Inverter - Series 1	123
RAV Quad-Split Floor-Standing - Digital Inverter - Series 1	84	RAV Triple-Split Ceiling - Super Digital Inverter - Series 1	124
RAV High-Wall - Super Digital Inverter Series 1	85	RAV Triple-Split Standard Duct - Super Digital Inverter - Series 1	125
RAV Smart Cassette - Super Digital Inverter - Series 1	86 - 87	RAV Triple-Split Floor-Standing - Super Digital Inverter - Series 1	126
RAV Compact Cassette - Super Digital Inverter - Series 1	88	RAV Quad-Split High-Wall - Super Digital Inverter - Series 1	127
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RAV Twin-Split Compact Cassette - Super Digital Inverter - Series 1	106 - 107		
RAV Twin-Split Standard Cassette - Super Digital Inverter - Series 1	108 - 109		
RAV Twin-Split Slim Ducted - Super Digital Inverter - Series 1	110 - 111		
RAV Twin-Split Ceiling - Super Digital Inverter - Series 1	112 - 113		
RAV Twin-Split Standard Duct - Super Digital Inverter - Series 1	114 - 115		
RAV Twin-Split Floor-Standing - Super Digital Inverter - Series 1	116 - 117		
RAV Triple-Split High-Wall - Super Digital Inverter - Series 1	118 - 119		

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RAV High-Wall - Digital Inverter Classic Series 1

Indoor Unit (High-wall)	RAV-	HM561KRTP-E	HM801KRTP-E	HM1101KRTP-E	HM1101KRTP-E
Indoor Unit Retail Price		£565	£609	£732	£732
Outdoor Unit	RAV-	GV561ATP-E	GV801ATP-E	GV1101ATP-E	GV1101AT8P-E
Outdoor Unit Retail Price		£985	£1,262	£1,506	£1,883
System Retail Price*		£1,550	£1,871	£2,238	£2,615
Rated Cooling capacity	kW	5.0	6.7	9.5	9.5
Rated Heating capacity	kW	5.3	7.0	10.0	10.0
UK Cooling Total/Sensible	kW	4.80/4.10	6.40/5.50	9.00/7.80	9.00/7.80
UK Heating	kW	2.92	3.95	5.5	5.5
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.20-3.90 - A++/A	5.75-3.90 - A+/A	6.00-4.00 - A+/A+	6.10-4.10 - A++/A+
Weight ID - OD	kg	14 - 36	14 - 39	19 - 45	19 - 59
Dimensions (H x W x D) - ID	mm	320 x 1050 x 250	320 x 1050 x 250	348 x 1200 x 280	348 x 1200 x 280
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300	710 x 900 x 320
Indoor Airflow (H-M-L)	l/s	267 - 231 - 189	289 - 253 - 189	447 - 375 - 328	447 - 375 - 328
Outdoor Airflow (High)	m3/h - l/s	2350 - 653	2700 - 750	2900 - 800	3500 - 972
Sound pressure level (H-M-L) ID / OD**	dB(A)	42-39-35 - 46/48	45-41-35 - 48/52	49-45-41 - 51/53	49-45-41 - 53/60
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 16	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 20	5/30 - 20	5/30 - 30	5/30 - 30
Chargeless pipe length	m	20	20	30	30
Refrigerant - additional charge	Type/kg/g	R32/0.9/20	R32/1.4/35	R32/1.7	R32/1.7

* Standard wireless remote controller included in system price (WH-TA09NE)

** Figures given for the outdoor unit are cooling/heating

*** Other control options are available as accessories



RAV Standard Cassette - Digital Inverter Classic - Series 1

Indoor unit (4-way Cassette)	RAV-	HM561UTP-E	HM801UTP-E	HM1101UTP-E
Fascia Panel	RBC-	U33P-E	U33P-E	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,057	£1,136	£1,239
Outdoor unit	RAV-	GV561ATP-E	GV801ATP-E	GV1101ATP-E
Outdoor Unit Retail Price		£985	£1,262	£1,506
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Fascia Panel & Controller) *		£2,198	£2,554	£2,901
Rated Cooling capacity	kW	5.0	6.7	9.5
Rated Heating capacity	kW	5.3	7.0	10.0
UK Cooling Total/Sensible	kW	4.80/4.10	6.40/5.50	9.00/7.80
UK Heating	kW	2.92	3.85	5.5
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.20-4.20 - A++/A+	6.00-4.15 - A+/A+	6.00-4.00 - A+/A+
Weight ID - OD	kg	20 - 36	20 - 39	24 - 45
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300
Indoor Airflow (H-M-L)	l/s	292 - 242 - 217	342 - 267 - 225	558 - 400 - 325
Outdoor Airflow (High)	m3/h - l/s	2350 - 653	2700 - 750	3000 - 833
Sound pressure level (H-M-L) ID / OD**	dB(A)	32-29-28 - 46/48	35-31-28 - 48/52	43-38-33 - 51/53
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 25
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 20	5/30 - 20	5/30 - 30
Chargeless pipe length	m	20	20	30
Refrigerant - additional charge	Type/kg/g	R32/0.9/20	R32/1.4/35	R32/1.7

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

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RAV Standard Cassette - Digital Inverter Classic Series 1(Continued)

Indoor unit (4-way Cassette)	RAV-	HM1101UTP-E	HM1401UTP-E	HM1401UTP-E
Fascia Panel	RBC-	U33P-E	U33P-E	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,239	£1,267	£1,267
Outdoor unit	RAV-	GV1101AT8P-E	GV1401ATP-E	GV1401AT8P-E
Outdoor Unit Retail Price		£1,883	£1,851	£1,984
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Fascia Panel & Controller)*		£3,278	£3,274	£3,407
Rated Cooling capacity	kW	9.5	11.5	12.1
Rated Heating capacity	kW	10.0	11.9	12.3
UK Cooling Total/Sensible	kW	9.00/7.80	11.00/9.30	11.00/9.30
UK Heating	kW	5.5	6.55	6.55
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.20-4.10 - A++/A+	5.10-3.90 - A/A	5.10-3.90 - A/A
Weight ID - OD	kg	24 - 59	24 - 57	24 - 59
Dimensions (H x W x D) - ID	mm	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	710 x 900 x 320	710 x 900 x 320	710 x 900 x 320
Indoor Airflow (H-M-L)	l/s	558 - 400 - 325	583 - 400 - 342	583 - 400 - 342
Outdoor Airflow (High)	m3/h - l/s	4080 - 1133	4200 - 1167	4200 - 1167
Sound pressure level (H-M-L) ID / OD**	dB(A)	43-38-33 - 53/60	44-38-34 - 53/60	44-38-34 - 53/60
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 10	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 30	5/30 - 30	5/30 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/1.7	R32/1.9	R32/1.9

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating



RAV Standard Cassette - Digital Inverter Classic Series 1 (Continued)

Indoor unit (4-way Cassette)	RAV-	HM1601UTP-E	HM1601UTP-E
Fascia Panel	RBC-	U33P-E	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,355	£1,355
Outdoor unit	RAV-	GV1601ATP-E	GV1601AT8P-E
Outdoor Unit Retail Price		£2,136	£2,463
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Fascia Panel & Controller) *		£3,647	£3,974
Rated Cooling capacity	kW	13.0	13.0
Rated Heating capacity	kW	13.5	13.5
UK Cooling Total/Sensible	kW	12.40/10.50	12.40/10.50
UK Heating	kW	7.43	7.43
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.90-4.20 - 233.0/165.0	5.90-4.20 - 233.0/165.0
Weight ID - OD	kg	24 - 64	24 - 66
Dimensions (H x W x D) - ID	mm	319 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	592 - 408 - 350	592 - 408 - 350
Outdoor Airflow (High)	m ³ /h - l/s	6900 - 1917	6900 - 1917
Sound pressure level (H-M-L) ID / OD**	dB(A)	45-40-36 - 57/59	45-40-36 - 57/59
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 30	5/30 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.2	R32/2.2

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

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RAV Standard Ducted - Digital Inverter Classic Series 1

Indoor Unit (Standard Duct)	RAV-	HM561BTP-E	HM801BTP-E	HM1101BTP-E
Indoor Unit Retail Price		£801	£1,034	£1,182
Outdoor Unit	RAV-	GV561ATP-E	GV801ATP-E	GV1101ATP-E
Outdoor Unit Retail Price		£985	£1,262	£1,506
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£1,942	£2,452	£2,844
Rated Cooling capacity	kW	5.0	6.7	9.5
Rated Heating capacity	kW	5.3	7.0	10.0
UK Cooling Total/Sensible	kW	4.90/4.00	6.40/5.50	9.00/7.80
UK Heating	kW	3.65	3.85	5.5
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.20-3.90 - A/A	5.10-4.00 - A/A+	5.10-3.80 - A/A
Weight ID - OD	kg	23 - 36	30 - 39	40 - 45
Dimensions (H x W x D) - ID	mm	275 x 700 x 750	275 x 1000 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300
Indoor Airflow (H-M-L)	l/s	222 -175 - 133	333 - 258 - 208	583 - 458 - 350
External Static Pressure (Upper - Lower)	Pa	(120 - 30)	(120 - 30)	(120 - 30)
Outdoor Airflow (High)	m3/h - l/s	2350 - 653	2700 - 750	3000 - 833
Sound pressure level (H-M-L) ID / OD**	dB(A)	34-30-26 - 48/52	34-30-26 - 48/52	40-36-33 - 51/53
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 20	5/30 - 20	5/30 - 30
Chargeless pipe length	m	20	20	30
Refrigerant - additional charge	Type/kg/g	R32/0.9/20	R32/1.4/35	R32/1.7

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating



RAV Standard Ducted - Digital Inverter Classic Series 1 (Continued)

Indoor Unit (Standard Duct)	RAV-	HM1101BTP-E	HM1401BTP-E	HM1401BTP-E
Indoor Unit Retail Price		£1,182	£1,319	£1,319
Outdoor Unit	RAV-	GV1101AT8P-E	GV1401ATP-E	GV1401AT8P-E
Outdoor Unit Retail Price		£1,883	£1,851	£1,984
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£3,221	£3,326	£3,459
Rated Cooling capacity	kW	9.5	11.5	12.1
Rated Heating capacity	kW	10.0	11.9	12.3
UK Cooling Total/Sensible	kW	9.00/7.80	11.00/9.30	11.00/9.30
UK Heating	kW	5.5	6.55	6.55
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.30-3.80 - A/A	5.10-3.80 - A/A	5.10-3.80 - A/A
Weight ID - OD	kg	40 - 59	40 - 57	40 - 59
Dimensions (H x W x D) - ID	mm	275 x 1400 x 750	275 x 1400 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	710 x 900 x 320	710 x 900 x 320	710 x 900 x 320
Indoor Airflow (H-M-L)	l/s	583 - 458 - 350	583 - 458 - 350	583 - 458 - 350
External Static Pressure (Upper - Lower)	Pa	(120 - 30)	(120 - 30)	(120 - 30)
Outdoor Airflow (High)	m3/h - l/s	4080 - 1133	4200 - 1167	4200 - 1167
Sound pressure level (H-M-L) ID / OD**	dB(A)	40-36-33 - 53/60	40-36-33 - 53/60	40-36-33 - 53/60
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 10	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 30	5/30 - 30	5/30 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/1.7	R32/1.9	R32/1.9

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

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RAV Standard Ducted - Digital Inverter Classic Series 1 (Continued)

Indoor Unit (Standard Duct)	RAV-	HM1601BTP-E	HM1601BTP-E
Indoor Unit Retail Price		£1,439	£1,439
Outdoor Unit	RAV-	GV1601ATP-E	GV1601AT8P-E
Outdoor Unit Retail Price		£2,136	£2,463
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£3,731	£4,058
Rated Cooling capacity	kW	13.0	13.0
Rated Heating capacity	kW	13.5	13.5
UK Cooling Total/Sensible	kW	12.40/10.50	12.40/10.50
UK Heating	kW	7.43	7.43
SEER - SCOP - Energy Label (or nsc %)	kW/kW	4.90-4.15 - 193.0/163.0	5.90-4.20 - 233.0/165.0
Weight ID - OD	kg	40 - 64	40 - 66
Dimensions (H x W x D) - ID	mm	275 x 1400 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	583 - 458 - 350	583 - 458 - 350
External Static Pressure (Upper - Lower)	Pa	(120 - 30)	(120 - 30)
Outdoor Airflow (High)	m3/h - l/s	6900 - 1917	6900 - 1917
Sound pressure level (H-M-L) ID / OD**	dB(A)	40-36-33 - 57/59	40-36-33 - 57/59
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(4wC+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 30	5/30 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.2	R32/2.2

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating



RAV High-Wall - Digital Inverter - Series 1

Indoor Unit (High-wall)	RAV-	HM301KRTP-E	HM401KRTP-E	HM561KRTP-E	HM801KRTP-E
Indoor Unit Retail Price		£422	£458	£565	£609
Outdoor Unit	RAV-	GM301ATP-E	GM401ATP-E	GM561ATP-E1	GM801ATP-E
Outdoor Unit Retail Price		£778	£932	£1,109	£1,464
System Retail Price*		£1,200	£1,390	£1,674	£2,073
Rated Cooling capacity	kW	2.5	3.6	5.0	6.7
Rated Heating capacity	kW	3.4	4.0	5.3	7.7
UK Cooling Total/Sensible	kW	2.37/1.97	3.42/2.67	4.75/3.61	6.36/4.66
UK Heating	kW	2.43	2.86	3.79	5.51
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.36-4.10 - A++/A+	6.12-4.22 - A++/A+	6.31-4.00 - A++/A+	5.73-4.01 - A+/A+
Weight ID - OD	kg	10 - 33	10 - 39	14 - 38	14 - 44
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	293 x 798 x 230	320 x 1050 x 250	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Indoor Airflow (H-M-L)	l/s	186 - 150 - 125	194 - 161 - 125	267 - 231 - 189	289 - 253 - 189
Outdoor Airflow (High)	m ³ /h - l/s	1800 - 500	2200 - 611	2400 - 667	2700 - 750
Sound pressure level (H-M-L) ID / OD**	dB(A)	40-34-29 - 46/47	41-36-30 - 49/50	42-39-35 - 46/48	45-41-35 - 48/52
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16	220/240-1-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8
Min/Max Pipe Length - Height	m	2/20 - 10	2/20 - 10	5/30 - 30	5/30 - 30
Chargeless pipe length	m	15	15	20	20
Refrigerant - additional charge	Type/kg/g	R32/0.63/20	R32/0.9/20	R32/1.1/20	R32/1.3/35

* Standard wireless remote controller included in system price (WH-TA09NE)

** Figures given for the outdoor unit are cooling/heating

*** Other control options are available as accessories

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RAV High-Wall - Digital Inverter - Series 1 (Continued)

Indoor Unit (High-wall)	RAV-	HM901KRTP-E	HM1101KRTP-E	HM1101KRTP-E
Indoor Unit Retail Price		£671	£732	£732
Outdoor Unit	RAV-	GM901ATP-E	GM1101ATP-E	GM1101AT8P-E
Outdoor Unit Retail Price		£1,617	£1,929	£2,227
System Retail Price*		£2,288	£2,661	£2,959
Rated Cooling capacity	kW	8.0	9.5	9.5
Rated Heating capacity	kW	9.0	11.2	11.2
UK Cooling Total/Sensible	kW	7.83/6.35	9.28/7.22	9.28/7.22
UK Heating	kW	6.12	6.93	6.93
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.10-4.10 - A++/A+	6.10-4.20 - A++/A+	6.10-4.20 - A++/A+
Weight ID - OD	kg	14 - 47	19 - 68	19 - 68
Dimensions (H x W x D) - ID	mm	320 x 1050 x 250	348 x 1200 x 280	348 x 1200 x 280
Dimensions (H x W x D) - OD	mm	630 x 800 x 300	890 x 900 x 320	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	328 - 253 - 189	447 - 375 - 328	447 - 375 - 328
Outdoor Airflow (High)	m3/h - l/s	2900 - 806	4080 - 1133	4080 - 1133
Sound pressure level (H-M-L) ID / OD**	dB(A)	47-41-35 - 51/55	49-45-41 - 54/57	49-45-41 - 54/57
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 20	220/240-1-50 & 20	380/415-3-50 & 10
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	20	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.0/35	R32/2.1/35	R32/2.1/35

* Standard wireless remote controller included in system price (WH-TA09NE)

** Figures given for the outdoor unit are cooling/heating

*** Other control options are available as accessories



RAV - Compact Cassette - Digital Inverter - Series 1

Indoor unit (600X600 Cassette)	RAV-	HM301MUTP-E	HM401MUTP-E	HM561MUTP-E
Fascia Panel	RBC-	UM21P-E	UM21P-E	UM21P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,173	£1,182	£1,200
Outdoor unit	RAV-	GM301ATP-E	GM401ATP-E	GM561ATP-E1
Outdoor Unit Retail Price		£778	£932	£1,109
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Fascia Panel & Controller) *		£2,107	£2,270	£2,465
Rated Cooling capacity	kW	2.5	3.6	5.0
Rated Heating capacity	kW	3.4	4.0	5.3
UK Cooling Total/Sensible	kW	2.40/1.95	3.45/2.79	4.80/3.50
UK Heating	kW	2.18	2.56	3.79
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.94-4.70 - A+/A++	5.76-4.44 - A+/A+	5.69-4.37 - A+/A+
Weight ID - OD	kg	16 - 33	16 - 39	16 - 38
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Indoor Airflow (H-M-L)	l/s	177 - 144 - 122	183 - 153 - 130	221 - 187 - 152
Outdoor Airflow (High)	m3/h - l/s	1800 - 500	2200 - 611	2400 - 667
Sound pressure level (H-M-L) ID / OD**	dB(A)	38-36-30 - 46/47	41-36-32 - 49/50	44-39-35 - 46/48
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Height	m	2/20 - 10	2/20 - 10	5/30 - 30
Chargeless pipe length	m	15	15	20
Refrigerant - additional charge	Type/kg/g	R32/0.63/20	R32/0.9/20	R32/1.1/20

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

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RAV - Standard Cassette - Digital Inverter - Series 1

Indoor unit (4-way Cassette)	RAV-	HM561UTP-E	HM801UTP-E	HM901UTP-E
Fascia Panel	RBC-	U33P-E	U33P-E	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,057	£1,136	£1,188
Outdoor unit	RAV-	GM561ATP-E1	GM801ATP-E	GM901ATP-E
Outdoor Unit Retail Price		£1,109	£1,464	£1,617
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Fascia Panel & Controller)*		£2,322	£2,756	£2,961
Rated Cooling capacity	kW	5.0	6.7	8.0
Rated Heating capacity	kW	5.3	7.7	9.0
UK Cooling Total/Sensible	kW	4.80/3.60	6.40/4.80	7.83/6.35
UK Heating	kW	3.79	5.51	6.12
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.47-4.60 - A++/A++	5.81-4.42 - A+/A+	7.20-4.60 - A++/A++
Weight ID - OD	kg	20 - 38	20 - 44	24 - 47
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300
Indoor Airflow (H-M-L)	l/s	292 - 242 - 217	342 - 267 - 225	444 - 306 - 250
Outdoor Airflow (High)	m3/h - l/s	2400 - 667	2700 - 750	2900 - 806
Sound pressure level (H-M-L) ID / OD**	dB(A)	32-29-28 - 46/48	35-31-28 - 48/52	40-36-33 - 51/55
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 30	5/30 - 30	5/50 - 30
Chargeless pipe length	m	20	20	20
Refrigerant - additional charge	Type/kg/g	R32/1.1/20	R32/1.3/35	R32/2.0/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating



RAV - Standard Cassette - Digital Inverter - Series 1 (Continued)

Indoor unit (4-way Cassette)	RAV-	HM1101UTP-E	HM1101UTP-E	HM1401UTP-E
Fascia Panel	RBC-	U33P-E	U33P-E	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,239	£1,239	£1,267
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E1
Outdoor Unit Retail Price		£1,929	£2,227	£2,033
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Fascia Panel & Controller)*		£3,324	£3,622	£3,456
Rated Cooling capacity	kW	9.5	9.5	12.0
Rated Heating capacity	kW	11.2	11.2	13.0
UK Cooling Total/Sensible	kW	9.10/7.56	9.10/7.56	11.40/8.80
UK Heating	kW	8.01	8.01	9.3
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.15-4.28 - A++/A+	6.15-4.28 - A++/A+	5.71-4.29 - A+/A+
Weight ID - OD	kg	24 - 68	24 - 68	24 - 68
Dimensions (H x W x D) - ID	mm	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	558 - 400 - 325	558 - 400 - 325	583 - 400 - 342
Outdoor Airflow (High)	m3/h - l/s	4080 - 1133	4080 - 1133	4200 - 1167
Sound pressure level (H-M-L) ID / OD**	dB(A)	43-38-33 - 54/57	43-38-33 - 54/57	44-38-34 - 55/57
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 32
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.1/35	R32/2.1/35	R32/2.1/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

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RAV - Standard Cassette - Digital Inverter - Series 1 (Continued)

Indoor unit (4-way Cassette)	RAV-	HM1401UTP-E	HM1601UTP-E	HM1601UTP-E
Fascia Panel	RBC-	U33P-E	U33P-E	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,267	£1,355	£1,355
Outdoor unit	RAV-	GM1401AT8P-E1	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,346	£2,735	£3,036
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Fascia Panel & Controller)*		£3,769	£4,246	£4,547
Rated Cooling capacity	kW	12.0	14.0	14.0
Rated Heating capacity	kW	13.0	16.0	16.0
UK Cooling Total/Sensible	kW	11.40/8.80	13.30/9.70	13.30/9.70
UK Heating	kW	9.3	10.88	10.88
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.71-4.29 - A+/A+	6.30-4.35 - 249.0/171.0	6.30-4.35 - 249.0/171.0
Weight ID - OD	kg	24 - 68	24 - 95	24 - 94
Dimensions (H x W x D) - ID	mm	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	583 - 400 - 342	592 - 408 - 350	592 - 408 - 350
Outdoor Airflow (High)	m3/h - l/s	4200 - 1167	6900 - 1917	6900 - 1917
Sound pressure level (H-M-L) ID / OD**	dB(A)	44-38-34 - 55/57	45-40-36 - 53/55	45-40-36 - 53/55
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 16	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.1/35	R32/2.4/35	R32/2.4/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating



RAV - Ceiling Type - Digital Inverter - Series 1

Indoor unit (Ceiling)	RAV-	HM401CTP-E	HM561CTP-E	HM801CTP-E
Indoor Unit Retail Price		£822	£897	£1,061
Outdoor unit	RAV-	GM401ATP-E	GM561ATP-E1	GM801ATP-E
Outdoor Unit Retail Price		£932	£1,109	£1,464
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£1,910	£2,162	£2,681
Rated Cooling capacity	kW	3.6	5.0	6.9
Rated Heating capacity	kW	4.0	5.3	7.7
UK Cooling Total/Sensible	kW	3.45/2.89	4.80/3.06	6.60/5.00
UK Heating	kW	2.56	3.79	5.51
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.34-5.10 - A++/A+++	5.61-4.32 - A/A+	5.62-4.21 - A+/A+
Weight ID - OD	kg	23 - 39	23 - 38	29 - 44
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 950 x 690	235 x 1270 x 690
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Indoor Airflow (H-M-L)	l/s	250 - 200 - 150	250 - 200 - 150	392 - 278 - 208
Outdoor Airflow (High)	m ³ /h - l/s	2200 - 611	2400 - 667	2700 - 750
Sound pressure level (H-M-L) ID / OD**	dB(A)	37-35-28 - 49/50	37-35-28 - 46/48	41-36-29 - 48/52
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 16	220/240-1-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8
Min/Max Pipe Length - Height	m	2/20 - 10	5/30 - 30	5/30 - 30
Chargeless pipe length	m	15	20	20
Refrigerant - additional charge	Type/kg/g	R32/0.9/20	R32/1.1/20	R32/1.3/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

TOSHIBA



RAV - Ceiling Type - Digital Inverter - Series 1 (Continued)

Indoor unit (Ceiling)	RAV-	HM901CTP-E	HM1101CTP-E	HM1101CTP-E
Indoor Unit Retail Price		£1,109	£1,157	£1,157
Outdoor unit	RAV-	GM901ATP-E	GM1101ATP-E	GM1101AT8P-E
Outdoor Unit Retail Price		£1,617	£1,929	£2,227
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£2,882	£3,242	£3,540
Rated Cooling capacity	kW	8.0	9.5	9.5
Rated Heating capacity	kW	9.0	11.2	11.2
UK Cooling Total/Sensible	kW	7.83/6.61	9.10/7.18	9.10/7.18
UK Heating	kW	6.12	8.01	9.30
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.10-4.60 - A++/A++	5.86-4.27 - A+/A+	5.86-4.27 - A+/A+
Weight ID - OD	kg	37 - 47	37 - 68	37 - 68
Dimensions (H x W x D) - ID	mm	235 x 1586 x 690	235 x 1586 x 690	235 x 1586 x 690
Dimensions (H x W x D) - OD	mm	630 x 800 x 300	890 x 900 x 320	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	444 - 278 - 250	517 - 375 - 283	517 - 375 - 283
Outdoor Airflow (High)	m3/h - l/s	2900 - 806	4080 - 1133	4080 - 1133
Sound pressure level (H-M-L) ID / OD**	dB(A)	43-36-29 - 48/52	44-38-32 - 54/57	44-38-32 - 54/57
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 20	220/240-1-50 & 20	380/415-3-50 & 10
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	20	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.0/35	R32/2.1/35	R32/2.1/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating



RAV - Ceiling Type - Digital Inverter - Series 1 (Continued)

Indoor unit (Ceiling)	RAV-	HM1401CTP-E	HM1401CTP-E
Indoor Unit Retail Price		£1,458	£1,458
Outdoor unit	RAV-	GM1401ATP-E1	GM1401AT8P-E1
Outdoor Unit Retail Price		£2,033	£2,346
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£3,647	£3,960
Rated Cooling capacity	kW	12.1	12.1
Rated Heating capacity	kW	13.0	13.0
UK Cooling Total/Sensible	kW	11.50/8.40	11.50/8.40
UK Heating	kW	9.3	9.3
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.36-4.19 - 211.4/164.6	5.36-4.19 - 211.4/164.6
Weight ID - OD	kg	37 - 68	37 - 68
Dimensions (H x W x D) - ID	mm	235 x 1586 x690	235 x 1586 x690
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	567 - 425 - 333	567 - 425 - 333
Outdoor Airflow (High)	m3/h - l/s	4200 - 1167	4200 - 1167
Sound pressure level (H-M-L) ID / OD**	dB(A)	46-41-35 - 55/57	46-41-35 - 55/57
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/50 - 30	5/50 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.1/35	R32/2.1/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

TOSHIBA



RAV - Ceiling Type - Digital Inverter - Series 1 (Continued)

Indoor unit (Ceiling)	RAV-	HM1601CTP-E	HM1601CTP-E
Indoor Unit Retail Price		£1,485	£1,485
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,735	£3,036
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£4,376	£4,677
Rated Cooling capacity	kW	14.0	14.0
Rated Heating capacity	kW	16.0	16.0
UK Cooling Total/Sensible	kW	13.30/9.30	13.30/9.30
UK Heating	kW	10.88	10.88
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.90-4.35 - 233.0/161.0	5.90-4.35 - 233.0/161.0
Weight ID - OD	kg	37 - 95	37 - 94
Dimensions (H x W x D) - ID	mm	235 x 1586 x690	235 x 1586 x690
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	567 - 425 - 333	567 - 425 - 333
Outdoor Airflow (High)	m3/h - l/s	6900 - 1917	6900 - 1917
Sound pressure level (H-M-L) ID / OD**	dB(A)	46-42-36 - 53/55	46-42-36 - 53/55
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/50 - 30	5/50 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.4/35	R32/2.4/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating



RAV - Slim Ducted - Digital Inverter - Series 1

Indoor Unit (Standard Duct)	RAV-	HM561SDTY-E
Indoor Unit Retail Price		£738
Outdoor Unit	RAV-	GM561ATP-E1
Outdoor Unit Retail Price		£1,109
Controller	RBC-	AMSU52-E
Controller Retail Price		£156
System Retail Price (inc. Controller) *		£2,003
Rated Cooling capacity	kW	5.0
Rated Heating capacity	kW	5.3
UK Cooling Total/Sensible	kW	4.80/3.30
UK Heating	kW	3.79
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.68-4.00 - A+/A+
Weight ID - OD	kg	19 - 38
Dimensions (H x W x D) - ID	mm	210 x 900 x 450
Dimensions (H x W x D) - OD	mm	550 x 780 x 290
Indoor Airflow (H-M-L)	l/s	216 - 198 - 180
External Static Pressure (Upper - Lower)	Pa	(50-10)
Outdoor Airflow (High)	m3/h - l/s	2400 - 667
Sound pressure level (H-M-L) ID / OD**	dB(A)	34-32-29 - 46/48
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16
Interconnecting Cable		(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4
Min/Max Pipe Length - Height	m	5/30 - 30
Chargeless pipe length	m	20
Refrigerant - additional charge	Type/kg/g	R32/1.1/20

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

TOSHIBA



RAV - Standard Ducted - Digital Inverter - Series 1

Indoor Unit (Standard Duct)	RAV-	HM561BTP-E	HM801BTP-E	HM901BTP-E
Indoor Unit Retail Price		£801	£1,034	£1,108
Outdoor Unit	RAV-	GM561ATP-E1	GM801ATP-E	GM901ATP-E
Outdoor Unit Retail Price		£1,109	£1,464	£1,617
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£2,066	£2,654	£2,881
Rated Cooling capacity	kW	5.0	6.7	8.0
Rated Heating capacity	kW	5.3	7.7	9.0
UK Cooling Total/Sensible	kW	4.80/3.60	6.30/4.90	7.83/5.78
UK Heating	kW	3.79	5.51	6.12
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.39-4.08 - A/A+	5.20-4.13 - A/A+	6.10-4.60 - A++/A++
Weight ID - OD	kg	23 - 38	30 - 44	40 - 47
Dimensions (H x W x D) - ID	mm	275 x 700 x 750	275 x 1000 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300
Indoor Airflow (H-M-L)	l/s	222 - 175 - 133	333 - 258 - 208	472 - 375 - 278
External Static Pressure (Upper - Lower)	Pa	(120 - 30)	(120 - 30)	(120 - 30)
Outdoor Airflow (High)	m3/h - l/s	2400 - 667	2700 - 750	2900 - 806
Sound pressure level (H-M-L) ID / OD**	dB(A)	33-29-25 - 46/48	34-30-26 - 48/52	37-33-30 - 51/55
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 30	5/30 - 30	5/50 - 30
Chargeless pipe length	m	20	20	20
Refrigerant - additional charge	Type/kg/g	R32/1.1/20	R32/1.3/35	R32/2.0/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating



RAV - Standard Ducted - Digital Inverter - Series 1 (Continued)

Indoor Unit (Standard Duct)	RAV-	HM1101BTP-E	HM1101BTP-E	HM1401BTP-E
Indoor Unit Retail Price		£1,182	£1,182	£1,319
Outdoor Unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E1
Outdoor Unit Retail Price		£1,929	£2,227	£2,033
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£3,267	£3,565	£3,508
Rated Cooling capacity	kW	9.5	9.5	12.1
Rated Heating capacity	kW	11.2	11.2	13.0
UK Cooling Total/Sensible	kW	9.10/7.37	9.10/7.37	11.15/8.90
UK Heating	kW	8.01	8.01	9.3
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.28-4.19 - A/A+	5.28-4.19 - A/A+	5.36-4.19 - 211.4/164.6
Weight ID - OD	kg	40 - 68	40 - 68	40 - 68
Dimensions (H x W x D) - ID	mm	275 x 1400 x 750	275 x 1400 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	583 - 458 - 350	583 - 458 - 350	583 - 458 - 350
External Static Pressure (Upper - Lower)	Pa	(120 - 30)	(120 - 30)	(120 - 30)
Outdoor Airflow (High)	m3/h - l/s	4080 - 1133	4080 - 1133	4200 - 1167
Sound pressure level (H-M-L) ID / OD**	dB(A)	40-36-33 - 54/57	40-36-33 - 54/57	40-36-33 - 55/57
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 32
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.1/35	R32/2.1/35	R32/2.1/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

TOSHIBA



RAV - Standard Ducted - Digital Inverter - Series 1 (Continued)

Indoor Unit (Standard Duct)	RAV-	HM1401BTP-E	HM1601BTP-E	HM1601BTP-E
Indoor Unit Retail Price		£1,319	£1,439	£1,439
Outdoor Unit	RAV-	GM1401AT8P-E1	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,346	£2,735	£3,036
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£3,821	£4,330	£4,631
Rated Cooling capacity	kW	12.1	14.0	14.0
Rated Heating capacity	kW	13.0	16.0	16.0
UK Cooling Total/Sensible	kW	11.15/8.90	13.30/9.70	13.30/9.70
UK Heating	kW	9.3	10.88	10.88
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.36-4.19 - 211.4/164.6	5.30-3.90 - 209.0/153.0	5.30-3.90 - 209.0/153.0
Weight ID - OD	kg	40 - 68	40 - 95	40 - 94
Dimensions (H x W x D) - ID	mm	275 x 1400 x 750	275 x 1400 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	583 - 458 - 350	583 - 458 - 350	583 - 458 - 350
External Static Pressure (Upper - Lower)	Pa	(120 - 30)	(120 - 30)	(120 - 30)
Outdoor Airflow (High)	m3/h - l/s	4200 - 1167	6900 - 1917	6900 - 1917
Sound pressure level (H-M-L) ID / OD**	dB(A)	40-36-33 - 55/57	40-36-33 - 53/55	40-36-33 - 53/55
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 16	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.1/35	R32/2.4/35	R32/2.4/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating



RAV - High Static Ducted - Big Digital Inverter - Series 1

Indoor Unit (High Static Duct)	RAV-	RM2241DTP-E2	RM2801DTP-E2
Indoor Unit Retail Price		£3,604	£3,820
Outdoor Unit	RAV-	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£9,111	£9,337
Rated Cooling capacity	kW	19.0	22.5
Rated Heating capacity	kW	22.4	27.0
UK Cooling Total/Sensible	kW	19.0/15.4	22.8/19.3
UK Heating	kW	13.78	16.73
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.82-3.78 - 229.8/148.2	5.49-3.69 - 216.6/144.6
Weight ID - OD	kg	97 - 142	97 - 142
Dimensions (H x W x D) - ID	mm	448 x 1400 x 900	448 x 1400 x 900
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	1055 - 889 - 694	1333 - 1167 - 972
External Static Pressure (Upper - Lower)	Pa	(250-50)	(250-50)
Outdoor Airflow (High)	m3/h - l/s	9150- 2541	10890- 3025
Sound pressure level (H-M-L) ID / OD**	dB(A)	44-40-36 - 58/60	46-42-38 - 61/63
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 20
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min/Max Pipe Length - Height	m	5/100 - 30	5/100 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/5.0/80	R32/5.0/80

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

TOSHIBA

RAV - Floor Standing - Digital Inverter - Series 1

Indoor Unit (Floor Standing)	RAV-	HM561FT-E	HM801FT-E	HM1101FT-E
Indoor Unit Retail Price		£1,976	£2,118	£2,284
Outdoor Unit	RAV-	GM561ATP-E1	GM801ATP-E	GM1101ATP-E
Outdoor Unit Retail Price		£1,109	£1,464	£1,929
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£3,241	£3,738	£4,369
Rated Cooling capacity	kW	5.0	6.7	9.5
Rated Heating capacity	kW	5.3	7.7	11.2
UK Cooling Total/Sensible	kW	4.80/3.40	6.40/4.40	9.00/6.90
UK Heating	kW	3.79	5.51	8.01
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.25-4.00 - A/A+	4.89-3.81 - B/A	5.16-3.92 - A/A
Weight ID - OD	kg	44 - 38	45 - 44	59 - 68
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 390
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	228 - 194 - 167	258 - 214 - 178	461 - 394 - 325
Outdoor Airflow (High)	m3/h - l/s	2400 - 667	2700 - 750	4080 - 1133
Sound pressure level (H-M-L) ID / OD**	dB(A)	46-42-38 - 46/48	50-45-41 - 48/52	51-46-41 - 54/57
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 20	220/240-1-50 & 20
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 30	5/30 - 30	5/50 - 30
Chargeless pipe length	m	20	20	30
Refrigerant - additional charge	Type/kg/g	R32/1.1/20	R32/1.3/35	R32/2.1/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

*** TCB-CKC1F blanking plate available as accessories (£53)



RAV - Floor Standing - Digital Inverter - Series 1 (Continued)

Indoor Unit (Floor Standing)	RAV-	HM1101FT-E	HM1401FT-E	HM1401FT-E
Indoor Unit Retail Price		£2,284	£2,396	£2,396
Outdoor Unit	RAV-	GM1101AT8P-E	GM1401ATP-E1	GM1401AT8P-E1
Outdoor Unit Retail Price		£2,227	£2,033	£2,346
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£4,667	£4,585	£4,898
Rated Cooling capacity	kW	9.5	12.1	12.1
Rated Heating capacity	kW	11.2	13.0	13.0
UK Cooling Total/Sensible	kW	9.50/7.10	11.50/8.20	11.50/8.20
UK Heating	kW	8.01	9.30	9.30
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.16-3.92 - A/A	4.86-3.90 - 191.4/153.0	4.86-3.90 - 191.4/153.0
Weight ID - OD	kg	59 - 68	59 - 68	59 - 68
Dimensions (H x W x D) - ID	mm	1750 x 600 x 390	1750 x 600 x 390	1750 x 600 x 390
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	461 - 394 - 325	489 - 411 - 375	489 - 411 - 375
Outdoor Airflow (High)	m3/h - l/s	4080 - 1133	4200 - 1167	4200 - 1167
Sound pressure level (H-M-L) ID / OD**	dB(A)	51-46-41 - 54/57	53-48-45 - 55/57	53-48-45 - 55/57
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 10	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.1/35	R32/2.1/35	R32/2.1/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

*** TCB-CKC1F blanking plate available as accessories (£53)

TOSHIBA



RAV Twin-Split High-Wall - Digital Inverter - Series 1

Indoor unit x2	RAV-	HM301KRTP-E	HM401KRTP-E	HM561KRTP-E
Indoor Unit Retail Price (Each)		£422	£458	£565
Outdoor unit	RAV-	GM561ATP-E1	GM801ATP-E	GM1101ATP-E
Outdoor Unit Retail Price		£1,109	£1,464	£1,929
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£2,109	£2,536	£3,215
Rated Cooling capacity	kW	5.0	6.7	9.5
Rated Heating capacity	kW	5.3	7.7	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.19-4.00 - A++/A+	5.73-4.01 - A+/A+	5.32-4.19 - A/A+
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	293 x 798 x 230	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	890 x 900 x 320
Weight ID - OD	kg	10 - 38	10 - 44	14 - 68
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 30/30	5 - 30/30	5 - 50/30
Chargeless pipe length	m	20	20	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/1.1/20-20	R32/1.3/35-20	R32/2.1/35-20

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Twin-Split High-Wall - Digital Inverter - Series 1 (Continued)

Indoor unit x2	RAV-	HM561KRTP-E	HM801KRTP-E	HM801KRTP-E
Indoor Unit Retail Price (Each)		£565	£609	£609
Outdoor unit	RAV-	GM1101AT8P-E	GM1401ATP-E1	GM1401AT8P-E1
Outdoor Unit Retail Price		£2,227	£2,033	£2,346
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£3,513	£3,407	£3,720
Rated Cooling capacity	kW	9.5	12.1	12.1
Rated Heating capacity	kW	11.2	13.0	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.32-4.19 - A/A+	5.24-4.19 - 206.6/164.6	5.24-4.17 - 206.6/163.8
Dimensions (H x W x D) - ID	mm	320 x 1050 x 250	320 x 1050 x 250	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	14 - 68	14 - 68	14 - 68
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 10	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.1/35-35	R32/2.1/35-35

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Twin-Split High-Wall - Digital Inverter - Series 1 (Continued)

Indoor unit x2	RAV-	HM801KRTP-E	HM801KRTP-E	HM1101KRTP-E
Indoor Unit Retail Price (Each)		£609	£609	£732
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1
Outdoor Unit Retail Price		£2,735	£3,036	£5,351
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£4,109	£4,410	£6,971
Rated Cooling capacity	kW	14.0	14.0	20.0
Rated Heating capacity	kW	16.0	16.0	22.4
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.10-4.00 - 201.0/157.0	5.10-4.00 - 201.0/157.0	5.81-3.78 - 229.4/148.2
Dimensions (H x W x D) - ID	mm	320 x 1050 x 250	320 x 1050 x 250	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320	1550 x 1010 x 370
Weight ID - OD	kg	14 - 95	14 - 94	24 - 142
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 100/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.4/35-35	R32/2.4/35-35	R32/5.0/80-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Twin-Split Compact Cassette - Digital Inverter - Series 1

Indoor unit x2	RAV-	HM301MUTP-E	HM401MUTP-E
Indoor Unit Retail Price (Each)		£1,173	£1,182
Outdoor unit	RAV-	GM561ATP-E1	GM801ATP-E
Outdoor Unit Retail Price		£1,109	£1,464
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£3,611	£3,984
Rated Cooling capacity	kW	5.0	6.7
Rated Heating capacity	kW	5.3	7.7
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.69-4.37 - A+/A+	*/-
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290
Weight ID - OD	kg	16 - 38	16 - 44
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1/2 - 1/4	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 30/30	5 - 30/30
Chargeless pipe length	m	20	20
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/1.1/20-20	R32/1.3/35-20

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

*/- Awaiting factory data

TOSHIBA



RAV Twin-Split Compact Cassette - Digital Inverter - Series 1 (Continued)

Indoor unit x2	RAV-	HM561MUTP-E	HM561MUTP-E
Indoor Unit Retail Price (Each)		£1,200	£1,200
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E
Outdoor Unit Retail Price		£1,929	£2,227
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£4,485	£4,783
Rated Cooling capacity	kW	9.5	9.5
Rated Heating capacity	kW	11.2	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.50-4.02 - A/A+	5.50-4.02 - A/A+
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	16 - 68	16 - 68
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.1/35-20

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

*/- Awaiting factory data



RAV Twin-Split Standard Cassette - Digital Inverter - Series 1

Indoor unit x2	RAV-	HM561UTP-E	HM561UTP-E	HM801UTP-E
Indoor Unit Retail Price (Each)		£1,057	£1,057	£1,136
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E1
Outdoor Unit Retail Price		£1,929	£2,227	£2,033
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£4,199	£4,497	£4,461
Rated Cooling capacity	kW	9.5	9.5	12.0
Rated Heating capacity	kW	11.2	11.2	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.94-4.28 - A+/A+	5.94-4.28 - A+/A+	5.71-4.29 - A+/A+
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	20 - 68	20 - 68	20 - 68
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 32
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.1/35-20	R32/2.1/35-35

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Twin-Split Standard Cassette - Digital Inverter - Series 1 (Continued)

Indoor unit x2	RAV-	HM801UTP-E	HM801UTP-E	HM801UTP-E
Indoor Unit Retail Price (Each)		£1,136	£1,136	£1,136
Outdoor unit	RAV-	GM1401AT8P-E1	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,346	£2,735	£3,036
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£4,774	£5,163	£5,464
Rated Cooling capacity	kW	12.0	14.0	14.0
Rated Heating capacity	kW	13.0	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.71-4.29 - A+/A+	6.30-4.35 - 249.0/171.0	6.30-4.35 - 249.0/171.0
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	20 - 68	20 - 95	20 - 94
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-35	R32/2.4/35-35	R32/2.4/35-35

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Twin-Split Standard Cassette - Digital Inverter - Series 1 (Continued)

Indoor unit x2	RAV-	HM1101UTP-E	HM1401UTP-E
Indoor Unit Retail Price (Each)		£1,239	£1,267
Outdoor unit	RAV-	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£7,985	£8,051
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.88-4.06 - 272.2/159.4	6.48-3.92 - 256.2/153.8
Dimensions (H x W x D) - ID	mm	319 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	24 - 142	24 - 142
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 20
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/5.0/80-40	R32/5.0/80-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Twin-Split Ceiling - Digital Inverter - Series 1

Indoor unit x2	RAV-	HM401CTP-E	HM561CTP-E	HM561CTP-E
Indoor Unit Retail Price (Each)		£822	£897	£897
Outdoor unit	RAV-	GM801ATP-E	GM1101ATP-E	GM1101AT8P-E
Outdoor Unit Retail Price		£1,464	£1,929	£2,227
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£3,264	£3,879	£4,177
Rated Cooling capacity	kW	6.9	9.5	9.5
Rated Heating capacity	kW	7.7	11.2	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.62-4.21 - A+/A+	5.86-4.28 - A+/A+	5.86-4.28 - A+/A+
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 950 x 690	235 x 950 x 690
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	23 - 44	23 - 68	23 - 68
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 20	380/415-3-50 & 10
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 30/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	20	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/1.3/35-20	R32/2.1/35-20	R32/2.1/35-20

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Twin-Split Ceiling - Digital Inverter - Series 1 (Continued)

Indoor unit x2	RAV-	HM801CTP-E	HM801CTP-E	HM801CTP-E
Indoor Unit Retail Price (Each)		£1,061	£1,061	£1,061
Outdoor unit	RAV-	GM1401ATP-E1	GM1401AT8P-E1	GM1601ATP-E
Outdoor Unit Retail Price		£2,033	£2,346	£2,735
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£4,311	£4,624	£5,013
Rated Cooling capacity	kW	12.1	12.1	14.0
Rated Heating capacity	kW	13.0	13.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.36-4.19 - 211.4/164.6	5.36-4.19 - 211.4/164.6	5.90-4.10 - 233.0/161.0
Dimensions (H x W x D) - ID	mm	235 x 1270 x 690	235 x 1270 x 690	235 x 1270 x 690
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	29 - 68	29 - 68	29 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16	220/240-1-50 & 32
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-35	R32/2.1/35-35	R32/2.4/35-35

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Twin-Split Ceiling - Digital Inverter - Series 1 (Continued)

Indoor unit x2	RAV-	HM801CTP-E	HM1101CTP-E	HM1401CTP-E
Indoor Unit Retail Price (Each)		£1,061	£1,157	£1,458
Outdoor unit	RAV-	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£3,036	£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£5,314	£7,821	£8,433
Rated Cooling capacity	kW	14.0	20.0	23.5
Rated Heating capacity	kW	16.0	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.90-4.10 - 233.0/161.0	6.02-3.81 - 237.8/149.4	5.47-3.67 - 215.8/143.8
Dimensions (H x W x D) - ID	mm	235 x 1270 x 690	235 x 1586 x 690	235 x 1586 x 690
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	29 - 94	37 - 142	37 - 142
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16	380/415-3-50 & 20
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.4/35-35	R32/5.0/80-40	R32/5.0/80-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Twin-Split Standard Duct - Digital Inverter - Series 1

Indoor unit x2	RAV-	HM561BTP-E	HM561BTP-E	HM801BTP-E
Indoor Unit Retail Price (Each)		£801	£801	£1,034
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E1
Outdoor Unit Retail Price		£1,929	£2,227	£2,033
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£3,687	£3,985	£4,257
Rated Cooling capacity	kW	9.5	9.5	12.1
Rated Heating capacity	kW	11.2	11.2	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.28-4.22 - A/A+	5.28-4.22 - A/A+	5.36-4.21 - 211.4/165.4
Dimensions (H x W x D) - ID	mm	275 x 700 x 750	275 x 700 x 750	275 x 1000 x 750
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	23 - 68	23 - 68	30 - 68
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 32
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.1/35-20	R32/2.1/35-35

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Twin-Split Standard Duct - Digital Inverter - Series 1 (Continued)

Indoor unit x2	RAV-	HM801BTP-E	HM801BTP-E	HM801BTP-E
Indoor Unit Retail Price (Each)		£1,034	£1,034	£1,034
Outdoor unit	RAV-	GM1401AT8P-E1	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,346	£2,735	£3,036
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£4,570	£4,959	£5,260
Rated Cooling capacity	kW	12.1	14.0	14.0
Rated Heating capacity	kW	13.0	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.36-4.21 - 211.4/165.4	5.30-3.90 - 209.0/153.0	5.30-3.90 - 209.0/153.0
Dimensions (H x W x D) - ID	mm	275 x 1000 x 750	275 x 1000 x 750	275 x 1000 x 750
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	30 - 68	30 - 95	30 - 94
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-35	R32/2.4/35-35	R32/2.4/35-35

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Twin-Split Standard Duct - Digital Inverter - Series 1 (Continued)

Indoor unit x2	RAV-	HM1101BTP-E	HM1401BTP-E
Indoor Unit Retail Price (Each)		£1,182	£1,319
Outdoor unit	RAV-	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£7,871	£8,155
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.64-3.77 - 222.6/147.8	5.41-3.67 - 213.4/143.8
Dimensions (H x W x D) - ID	mm	275 x 1400 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	40 - 142	40 - 142
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/5.0/80-40	R32/5.0/80-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA

RAV Twin-Split Floor-Standing - Digital Inverter - Series 1

Indoor unit x2	RAV-	HM561FT-E	HM561FT-E	HM801FT-E
Indoor Unit Retail Price (Each)		£1,976	£1,976	£2,118
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E1
Outdoor Unit Retail Price		£1,929	£2,227	£2,033
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£6,037	£6,335	£6,425
Rated Cooling capacity	kW	9.5	9.5	12.1
Rated Heating capacity	kW	11.2	11.2	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.16-3.92 - A/A	5.16-3.92 - A/A	4.86-3.90 - 191.4/153.0
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 210
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	44 - 68	44 - 68	45 - 68
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 32
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.1	R32/2.1

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Twin-Split Floor-Standing - Digital Inverter - Series 1 (Continued)

Indoor unit x2	RAV-	HM801FT-E	HM1101FT-E	HM1401FT-E
Indoor Unit Retail Price (Each)		£2,118	£2,284	£2,396
Outdoor unit	RAV-	GM1401AT8P-E1	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£2,346	£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£6,738	£10,075	£10,309
Rated Cooling capacity	kW	12.1	20.0	23.5
Rated Heating capacity	kW	13.0	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	4.86-3.90 - 191.4/153.0	5.42-3.62 - 213.8/141.8	5.20-3.59 - 205.0/140.6
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 390	1750 x 600 x 390
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	45 - 68	59 - 142	59 - 142
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16	380/415-3-50 & 20
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1	R32/5.0	R32/5.0

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Triple-Split High-Wall - Digital Inverter - Series 1

Indoor unit x3	RAV-	HM301KRTP-E	HM301KRTP-E	HM401KRTP-E
Indoor Unit Retail Price (Each)		£422	£422	£458
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E1
Outdoor Unit Retail Price		£1,929	£2,227	£2,033
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) **		£3,641	£3,939	£3,853
Rated Cooling capacity	kW	9.5	9.5	12.1
Rated Heating capacity	kW	11.2	11.2	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.32-4.19 - A/A+	5.32-4.19 - A/A+	5.24-4.19 - 206.6/164.6
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	10 - 68	10 - 68	10 - 68
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 32
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.1/35-20	R32/2.1/35-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Triple-Split High-Wall - Digital Inverter - Series 1 (Continued)

Indoor unit x3	RAV-	HM401KRTP-E	HM561KRTP-E	HM561KRTP-E
Indoor Unit Retail Price (Each)		£458	£565	£565
Outdoor unit	RAV-	GM1401AT8P-E1	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,346	£2,735	£3,036
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) **		£4,166	£4,876	£5,177
Rated Cooling capacity	kW	12.0	14.0	14.0
Rated Heating capacity	kW	13.0	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.24-4.17 - 206.6/163.8	5.10-4.10 - 201.0/161.0	5.10-4.00 - 201.0/157.0
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	320 x 1050 x 250	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	10 - 68	14 - 95	14 - 94
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.4/35-20	R32/2.4/35-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Triple-Split High-Wall - Digital Inverter - Series 1 (Continued)

Indoor unit x3	RAV-	HM801 KRTP-E	HM801 KRTP-E
Indoor Unit Retail Price (Each)		£609	£609
Outdoor unit	RAV-	GM2241 AT8-E1	GM2801 AT8-E1
Outdoor Unit Retail Price		£5,351	£5,361
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) **		£7,624	£7,634
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.81-3.78 - 229.4/148.2	5.47-3.65 - 215.8/143.0
Dimensions (H x W x D) - ID	mm	320 x 1050 x 250	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	14 - 142	14 - 142
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 20
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/5.0/80-40	R32/5.0/80-40

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Triple-Split Compact Cassette - Digital Inverter - Series 1

Indoor unit x3	RAV-	HM301MUTP-E	HM301MUTP-E	HM401MUTP-E
Indoor Unit Retail Price (Each)		£1,173	£1,173	£1,182
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E1
Outdoor Unit Retail Price		£1,929	£2,227	£2,033
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) **		£5,894	£6,192	£6,025
Rated Cooling capacity	kW	9.5	9.5	12.0
Rated Heating capacity	kW	11.2	11.2	12.8
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.50-4.02 - A/A+	5.50-4.02 - A/A+	*/-
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	16 - 68	16 - 68	16 - 68
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 32
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.1/35-20	R32/2.1/35-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

*/- Awaiting factory data

TOSHIBA



RAV Triple-Split Compact Cassette - Digital Inverter - Series 1

Indoor unit x3	RAV-	HM401MUTP-E	HM561MUTP-E	HM561MUTP-E
Indoor Unit Retail Price (Each)		£1,182	£1,200	£1,200
Outdoor unit	RAV-	GM1401AT8P-E1	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,346	£2,735	£3,036
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) **		£6,338	£6,781	£7,082
Rated Cooling capacity	kW	12.0	14.0	14.0
Rated Heating capacity	kW	12.8	16.0	16.0
SEER - SCOP - Energy Label (ornsc %)	kW/kW	*/-	5.10-4.00 - 201.0/157.0	5.10-4.00 - 201.0/157.0
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	16 - 68	16 - 95	16 - 94
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.4/35-20	R32/2.4/35-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

*/- Awaiting factory data



RAV Triple-Split Standard Cassette - Digital Inverter - Series 1

Indoor unit x3	RAV-	HM561UTP-E	HM561UTP-E
Indoor Unit Retail Price (Each)		£1,057	£1,057
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,735	£3,036
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) **		£6,352	£6,653
Rated Cooling capacity	kW	14.0	14.0
Rated Heating capacity	kW	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.30-4.35 - 249.0/171.0	6.30-4.35 - 249.0/171.0
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	20 - 95	20 - 94
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.4/35-20	R32/2.4/35-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Triple-Split Standard Cassette - Digital Inverter - Series 1 (Continued)

Indoor unit x3	RAV-	HM801UTP-E	HM801UTP-E
Indoor Unit Retail Price (Each)		£1,136	£1,136
Outdoor unit	RAV-	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£5,351	£5,361
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) **		£9,205	£9,215
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.85-4.06 - 271.0/159.4	6.45-3.92 - 255.0/153.8
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	20 - 142	20 - 142
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 20
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/5.0/80-40	R32/5.0/80-40

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Triple-Split Ceiling - Digital Inverter - Series 1

Indoor unit x3	RAV-	HM401CTP-E	HM401CTP-E	HM561CTP-E
Indoor Unit Retail Price (Each)		£822	£822	£897
Outdoor unit	RAV-	GM1401ATP-E1	GM1401AT8P-E1	GM1601ATP-E
Outdoor Unit Retail Price		£2,033	£2,346	£2,735
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) **		£4,945	£5,258	£5,872
Rated Cooling capacity	kW	12.1	12.1	14.0
Rated Heating capacity	kW	12.8	12.8	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.36-4.19 - 211.4/164.6	5.36-4.19 - 211.4/164.6	5.90-4.10 - 233.0/161.0
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 950 x 690	235 x 950 x 690
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	23 - 68	23 - 68	23 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16	220/240-1-50 & 32
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.1/35-20	R32/2.4/35-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Triple-Split Celling - Digital Inverter - Series 1 (Continued)

Indoor unit x3	RAV-	HM561CTP-E	HM801CTP-E	HM801CTP-E
Indoor Unit Retail Price (Each)		£897	£1,061	£1,061
Outdoor unit	RAV-	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£3,036	£5,351	£5,361
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) **		£6,173	£8,980	£8,990
Rated Cooling capacity	kW	14.0	20.0	23.5
Rated Heating capacity	kW	16.0	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.90-4.10 - 233.0/161.0	5.94-3.81 - 234.6/149.4	5.41-3.67 - 213.4/143.8
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 1270 x 690	235 x 1270 x 690
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	23 - 94	29 - 142	29 - 142
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16	380/415-3-50 & 20
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.4/35-20	R32/5.0/80-40	R32/5.0/80-40

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Triple-Split Standard Duct - Digital Inverter - Series 1

Indoor unit x3	RAV-	HM561BTP-E	HM561BTP-E
Indoor Unit Retail Price (Each)		£801	£801
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,735	£3,036
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) **		£5,584	£5,885
Rated Cooling capacity	kW	14.0	14.0
Rated Heating capacity	kW	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.30-3.90 - 209.0/153.0	5.30-3.90 - 209.0/153.0
Dimensions (H x W x D) - ID	mm	275 x 700 x 750	275 x 700 x 750
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	23 - 95	23 - 94
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.4/35-20	R32/2.4/35-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Triple-Split Standard Duct - Digital Inverter - Series 1 (Continued)

Indoor unit x3	RAV-	HM801BTP-E	HM801BTP-E
Indoor Unit Retail Price (Each)		£1,034	£1,034
Outdoor unit	RAV-	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£5,351	£5,361
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) **		£8,899	£8,909
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.60-3.76 - 221.0/147.4	5.37-3.67 - 211.8/143.8
Dimensions (H x W x D) - ID	mm	275 x 1000 x 750	275 x 1000 x 750
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	30 - 142	30 - 142
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 20
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/5.0/80-40	R32/5.0/80-40

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Triple-Split Floor-Standing - Digital Inverter - Series 1

Indoor unit x3	RAV-	HM801FT-E	HM801FT-E
Indoor Unit Retail Price (Each)		£2,118	£2,118
Outdoor unit	RAV-	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£5,351	£5,361
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) **		£12,151	£12,161
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.36-3.62 - 211.4/141.8	5.15-3.59 - 203.0/140.6
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 210
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	45 - 142	45 - 142
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 20
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/5.0/80-40	R32/5.0/80-40

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Quad-Split High-Wall - Digital Inverter - Series 1

Indoor unit x4	RAV-	HM301KRTP-E	HM301KRTP-E	HM401KRTP-E
Indoor Unit Retail Price (Each)		£422	£422	£458
Outdoor unit	RAV-	GM1401ATP-E1	GM1401AT8P-E1	GM1601ATP-E
Outdoor Unit Retail Price		£2,033	£2,346	£2,735
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) **		£3,877	£4,190	£4,723
Rated Cooling capacity	kW	12.1	12.1	14.0
Rated Heating capacity	kW	13.0	13.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.24-4.19 - 206.6/164.6	5.24-4.19 - 206.6/164.6	5.10-4.10 - 201.0/161.0
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	10 - 68	10 - 68	10 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16	220/240-1-50 & 32
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20-20	R32/2.1/35-20-20	R32/2.4/35-20-20

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£312) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Quad-Split High-Wall - Digital Inverter - Series 1 (Continued)

Indoor unit x4	RAV-	HM401KRTP-E	HM561KRTP-E	HM801KRTP-E
Indoor Unit Retail Price (Each)		£458	£565	£609
Outdoor unit	RAV-	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£3,036	£5,351	£5,361
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) **		£5,024	£7,767	£7,953
Rated Cooling capacity	kW	14.0	20.0	23.5
Rated Heating capacity	kW	16.0	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.10-4.10 - 201.0/161.0	5.78-3.78 - 228.2/148.2	5.45-3.65 - 215.0/143.0
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	320 x 1050 x 250	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	10 - 94	14 - 142	14 - 142
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16	380/415-3-50 & 20
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.4/35-20-20	R32/5.0/80-40-35	R32/5.0/80-40-35

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£312) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Quad-Split Compact Cassette - Digital Inverter - Series 1

Indoor unit x4	RAV-	HM301MUTP-E	HM301MUTP-E	HM401MUTP-E
Indoor Unit Retail Price (Each)		£1,173	£1,173	£1,182
Outdoor unit	RAV-	GM1401ATP-E1	GM1401AT8P-E1	GM1601ATP-E
Outdoor Unit Retail Price		£2,033	£2,346	£2,735
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) **		£6,881	£7,194	£7,619
Rated Cooling capacity	kW	12.1	12.1	12.1
Rated Heating capacity	kW	12.8	12.8	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	*/-	*/-	5.10-4.00 - 201.0/157.0
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	16 - 68	16 - 68	16 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16	220/240-1-50 & 32
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20-20	R32/2.1/35-20-20	R32/2.4/35-20-20

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£312) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

*/- Awaiting factory data



RAV Quad-Split Compact Cassette - Digital Inverter - Series 1 (Continued)

Indoor unit x4	RAV-	HM401MUTP-E	HM561MUTP-E
Indoor Unit Retail Price (Each)		£1,182	£1,200
Outdoor unit	RAV-	GM1601AT8P-E	GM2241AT8-E1
Outdoor Unit Retail Price		£3,036	£5,351
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) **		£7,920	£10,307
Rated Cooling capacity	kW	12.1	20.0
Rated Heating capacity	kW	16.0	22.4
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.10-4.00 - 201.0/157.0	6.24-4.04 - 246.6/158.6
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1550 x 1010 x 370
Weight ID - OD	kg	16 - 94	16 - 142
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.4/35-20-20	R32/5.0/80-40-35

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£312) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

*/- Awaiting factory data

TOSHIBA



RAV Quad-Split Standard Cassette - Digital Inverter - Series 1

Indoor unit x4	RAV-	HM561UTP-E	HM801UTP-E
Indoor Unit Retail Price (Each)		£1,057	£1,136
Outdoor unit	RAV-	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£5,351	£5,361
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) **		£9,735	£10,061
Rated Cooling capacity	kW	20.0	23.0
Rated Heating capacity	kW	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.80-4.06 - 269.0/159.4	6.42-3.91 - 253.8/153.4
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	20 - 142	20 - 142
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 20
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/5.0/80-40-35	R32/5.0/80-40-35

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£312) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Quad-Split Ceiling - Digital Inverter - Series 1

Indoor unit x4	RAV-	HM401CTP-E	HM401CTP-E
Indoor Unit Retail Price (Each)		£822	£822
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,735	£3,036
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) **		£6,179	£6,480
Rated Cooling capacity	kW	14.0	14.0
Rated Heating capacity	kW	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.90-4.19 - 233/164.6	5.90-4.19 - 233/164.6
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 950 x 690
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	23 - 68	23 - 68
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.4/35-20-20	R32/2.4/35-20-20

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£312) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Quad-Split Ceiling - Digital Inverter - Series 1 (Continued)

Indoor unit x4	RAV-	HM561CTP-E	HM801CTP-E
Indoor Unit Retail Price (Each)		£897	£1,061
Outdoor unit	RAV-	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£5,351	£5,361
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) **		£9,095	£9,761
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.92-3.81 - 233.8/149.4	5.38-3.67 - 212.2/143.8
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 1270 x 690
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	23 - 142	29 - 142
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 20
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/5.0/80-40-35	R32/5.0/80-40-35

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£312) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Quad-Split Standard Ducted - Digital Inverter - Series 1

Indoor unit x4	RAV-	HM561BTP-E	HM801BTP-E
Indoor Unit Retail Price (Each)		£801	£1,034
Outdoor unit	RAV-	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£5,351	£5,361
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) **		£8,711	£9,653
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.58-3.76 - 220.2/147.4	5.35-3.67 - 211.0/143.8
Dimensions (H x W x D) - ID	mm	275 x 700 x 750	275 x 1000 x 750
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	23 - 142	30 - 142
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 20
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/5.0/80-40-35	R32/5.0/80-40-35

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£312) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA

RAV Quad-Split Floor-Standing - Digital Inverter - Series 1

Indoor unit x4	RAV-	HM561FT-E	HM561FT-E
Indoor Unit Retail Price (Each)		£1,976	£1,976
Outdoor unit	RAV-	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£5,351	£5,361
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) **		£13,411	£13,421
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.32-3.61 - 209.8/141.4	5.12-3.59 - 201.8/140.6
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 210
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	44 - 142	44 - 142
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 20
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/5.0/80-40-35	R32/5.0/80-40-35

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£312) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV High-Wall - Super Digital Inverter Series 1

Indoor Unit (High-wall)	RAV-	HM561KRTP-E	HM801KRTP-E	HM1101KRTP-E	HM1101KRTP-E
Indoor Unit Retail Price		£565	£609	£732	£732
Outdoor Unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,470	£2,138	£3,097	£3,278
System Retail Price*		£2,035	£2,747	£3,829	£4,010
Rated Cooling capacity	kW	5.0	7.1	10.0	10.0
Rated Heating capacity	kW	5.6	8.0	11.2	11.2
UK Cooling Total/Sensible	kW	4.81/3.66	6.83/5.02	9.50/6.70	9.50/6.70
UK Heating	kW	3.55	5.07	8.00	8.00
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.84-4.19 - A++/A+	7.56-4.16 - A++/A+	7.36-4.42 - A++/A+	6.53-4.22 - A++/A+
Weight ID - OD	kg	14 - 45	14 - 74	19 - 104	19 - 95
Dimensions (H x W x D) - ID	mm	320 x 1050 x 250	320 x 1050 x 250	348 x 1200 x 280	348 x 1200 x 280
Dimensions (H x W x D) - OD	mm	630 x 799 x 299	1050 x 1010 x 370	1550 x 1010 x 370	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	267 - 231 - 189	289 - 253 - 189	447 - 375 - 328	447 - 375 - 328
Outdoor Airflow (High)	m3/h - l/s	2250 - 625	3180 - 883	6960 - 1933	6060 - 1683
Sound pressure level (H-M-L) ID / OD**	dB(A)	42-39-35 - 46/48	45-41-35 - 46/48	49-45-41 - 49/50	49-45-41 - 49/50
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20	380/415-3-50 & 10
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/50 - 30	3/50 - 30	3/75 - 30	3/75 - 30
Chargeless pipe length	m	20	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/1.35/20	R32/1.9/35	R32/3.1/35	R32/2.6/40

* Standard wireless remote controller included in system price (WH-TA09NE)

** Figures given for the outdoor unit are cooling/heating

*** Other control options are available as accessories

TOSHIBA



RAV Smart Cassette - Super Digital Inverter - Series 1

Indoor unit (Smart Cassette)	RAV-	HM561UT-E	HM801UT-E
Fascia Panel	RBC-	U41PG(W)-E	U41PG(W)-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,297	£1,544
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E
Outdoor Unit Retail Price		£1,470	£2,138
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Fascia Panel & Controller)*		£2,923	£3,838
Rated Cooling capacity	kW	5.0	7.1
Rated Heating capacity	kW	5.6	8.0
UK Cooling Total/Sensible	kW	4.8/4.0	7.4/6.2
UK Heating	kW	3.55	5.25
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.17-5.02 - A++/A++	9.72-5.54 - A+++/A+++
Weight ID - OD	kg	20 - 45	25 - 74
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	630 x 799 x 299	1050 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	291 - 250 - 208	533 - 360 - 225
Outdoor Airflow (High)	m ³ /h - l/s	2250 - 625	3180 - 883
Sound pressure level (H-M-L) ID / OD**	dB(A)	32-29-26 - 46/48	42-35-27 - 46/48
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/50 - 30	3/50 - 30
Chargeless pipe length	m	20	30
Refrigerant - additional charge	Type/kg/g	R32/1.35/20	R32/1.9/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating



RAV Smart Cassette - Super Digital Inverter - Series 1

Indoor unit (Smart Cassette)	RAV-	HM1101UT-E	HM1401UT-E
Fascia Panel	RBC-	U41PG(W)-E	U41PG(W)-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,579	£1,615
Outdoor unit	RAV-	GP1101AT-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,097	£3,400
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Fascia Panel & Controller)*		£4,832	£5,171
Rated Cooling capacity	kW	10.0	12.5
Rated Heating capacity	kW	11.2	14.0
UK Cooling Total/Sensible	kW	9.5/8.0	11.9/9.4
UK Heating	kW	8.00	9.76
SEER - SCOP - Energy Label (or nsc %)	kW/kW	9.25-5.03 - A+++/A++	8.87-5.00 - 351.8/197.0
Weight ID - OD	kg	25 - 104	25 - 104
Dimensions (H x W x D) - ID	mm	319 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	625 - 458 - 291	625 - 475 - 325
Outdoor Airflow (High)	m ³ /h - l/s	6960 - 1933	6960 - 1933
Sound pressure level (H-M-L) ID / OD**	dB(A)	48-40-31 - 49/50	48-41-33 - 50/51
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 20	220/240-1-50 & 20
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/3.1/35	R32/3.1/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

TOSHIBA



RAV Compact Cassette - Super Digital Inverter - Series 1

Indoor unit (600x600 Cassette)	RAV-	HM561MUTP-E
Fascia Panel	RBC-	UM21P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,200
Outdoor unit	RAV-	GP561ATW-E
Outdoor Unit Retail Price		£1,470
Controller	RBC-	AMSU52-E
Controller Retail Price		£156
System Retail Price (inc. Fascia Panel & Controller) *		£2,826
Rated Cooling capacity	kW	5.0
Rated Heating capacity	kW	5.6
UK Cooling Total/Sensible	kW	4.80/3.60
UK Heating	kW	3.55
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.27-4.32 - A++/A+
Weight ID - OD	kg	16 - 45
Dimensions (H x W x D) - ID	mm	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	630 x 799 x 299
Indoor Airflow (H-M-L)	l/s	221 - 187 - 152
Outdoor Airflow (High)	m3/h - l/s	2250 - 625
Sound pressure level (H-M-L) ID / OD**	dB(A)	44-39-35 - 46/48
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16
Interconnecting Cable		(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4
Min/Max Pipe Length - Height	m	3/50 - 30
Chargeless pipe length	m	20
Refrigerant - additional charge	Type/kg/g	R32/1.35/20

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating



RAV Standard Cassette - Super Digital Inverter - Series 1

Indoor unit (4-Way Cassette)	RAV-	HM561UTP-E	HM801UTP-E
Fascia Panel	RBC-	U33P-E	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,057	£1,136
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E
Outdoor Unit Retail Price		£1,470	£2,138
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Fascia Panel & Controller)*		£2,683	£3,430
Rated Cooling capacity	kW	5.0	7.1
Rated Heating capacity	kW	5.6	8.0
UK Cooling Total/Sensible	kW	4.80/3.90	7.40/6.20
UK Heating	kW	3.55	5.25
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.73-4.98 - A++/A++	8.96-5.24 - A+++/A+++
Weight ID - OD	kg	20 - 45	20 - 74
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	630 x 799 x 299	1050 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	292 - 242 - 217	342 - 267 - 225
Outdoor Airflow (High)	m3/h - l/s	2250 - 625	3180 - 883
Sound pressure level (H-M-L) ID / OD**	dB(A)	32-29-28 - 46/48	35-31-28 - 46/48
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/50 - 30	3/50 - 30
Chargeless pipe length	m	20	30
Refrigerant - additional charge	Type/kg/g	R32/1.35/20	R32/1.9/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

TOSHIBA



RAV Standard Cassette - Super Digital Inverter - Series 1 (Continued)

Indoor unit (4-Way Cassette)	RAV-	HM1101UTP-E	HM1101UTP-E
Fascia Panel	RBC-	U33P-E	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,239	£1,239
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£3,097	£3,278
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Fascia Panel & Controller)*		£4,492	£4,673
Rated Cooling capacity	kW	10.0	10.0
Rated Heating capacity	kW	11.2	11.2
UK Cooling Total/Sensible	kW	9.50/7.90	9.50/7.90
UK Heating	kW	8.00	7.31
SEER - SCOP - Energy Label (or nsc %)	kW/kW	9.00-4.76 - A+++/A++	7.32-4.38 - A++/A+
Weight ID - OD	kg	24 - 104	24 - 95
Dimensions (H x W x D) - ID	mm	319 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	558 - 400 - 325	558 - 400 - 325
Outdoor Airflow (High)	m3/h - l/s	6960 - 1933	6060 - 1683
Sound pressure level (H-M-L) ID / OD**	dB(A)	43-38-33 - 49/50	43-38-33 - 49/50
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/3.1/35	R32/2.6/40

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating



RAV Standard Cassette - Super Digital Inverter - Series 1 (Continued)

Indoor unit (4-Way Cassette)	RAV-	HM1401UTP-E	HM1401UTP-E
Fascia Panel	RBC-	U33P-E	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,267	£1,267
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E
Outdoor Unit Retail Price		£3,400	£3,423
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Fascia Panel & Controller)*		£4,823	£4,846
Rated Cooling capacity	kW	12.5	12.5
Rated Heating capacity	kW	14.0	14.0
UK Cooling Total/Sensible	kW	11.90/8.80	11.9/8.80
UK Heating	kW	9.76	9.14
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.59-4.75 - 340.6/187.0	7.35-4.38 - 291.0/172.2
Weight ID - OD	kg	24 - 104	24 - 95
Dimensions (H x W x D) - ID	mm	319 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	583 - 400 - 342	583 - 400 - 342
Outdoor Airflow (High)	m3/h - l/s	6960 - 1933	6180 - 1717
Sound pressure level (H-M-L) ID / OD**	dB(A)	44-38-34 - 50/51	44-38-34 - 51/52
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 25	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/3.1/35	R32/2.6/40

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

TOSHIBA



RAV Standard Cassette - Super Digital Inverter - Series 1 (Continued)

Indoor unit (4-Way Cassette)	RAV-	HM1601UTP-E
Fascia Panel	RBC-	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,355
Outdoor unit	RAV-	GP1601AT8-E
Outdoor Unit Retail Price		£3,639
Controller	RBC-	AMSU52-E
Controller Retail Price		£156
System Retail Price (inc. Fascia Panel & Controller) *		£5,150
Rated Cooling capacity	kW	14.0
Rated Heating capacity	kW	16.0
UK Cooling Total/Sensible	kW	13.3/9.70
UK Heating	kW	10.45
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.99-4.38 - 276.6/172.2
Weight ID - OD	kg	24 - 95
Dimensions (H x W x D) - ID	mm	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	592 - 408 - 350
Outdoor Airflow (High)	m3/h - l/s	6180 - 1717
Sound pressure level (H-M-L) ID / OD**	dB(A)	45-40-36 - 51/53
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 16
Interconnecting Cable		(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30
Chargeless pipe length	m	30
Refrigerant - additional charge	Type/kg/g	R32/2.6/40

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating



RAV - Ceiling Type - Super Digital Inverter - Series 1

Indoor unit (Ceiling)	RAV-	HM561CTP-E	HM801CTP-E	HM1101CTP-E
Indoor Unit Retail Price		£897	£1,061	£1,157
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E
Outdoor Unit Retail Price		£1,470	£2,138	£3,097
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£2,523	£3,355	£4,410
Rated Cooling capacity	kW	5.0	7.1	10.0
Rated Heating capacity	kW	5.6	8.0	11.2
UK Cooling Total/Sensible	kW	4.80/3.90	7.40/5.50	9.50/7.90
UK Heating	kW	3.55	5.25	8.00
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.93-4.73 - A++/A++	8.35-5.10 - A++/A++	8.58-4.75 - A+++/A++
Weight ID - OD	kg	23 - 45	29 - 74	37 - 104
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 1270 x 690	235 x 1586 x 690
Dimensions (H x W x D) - OD	mm	630 x 799 x 299	1050 x 1010 x 370	1550 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	250 - 200 - 150	392 - 278 - 208	517 - 375 - 283
Outdoor Airflow (High)	m3/h - l/s	2250 - 625	3180 - 883	6960 - 1933
Sound pressure level (H-M-L) ID / OD**	dB(A)	37-35-28 - 46/48	41-36-29 - 46/48	44-38-32 - 49/50
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/50 - 30	3/50 - 30	3/75 - 30
Chargeless pipe length	m	20	30	30
Refrigerant - additional charge	Type/kg/g	R32/1.35/20	R32/1.9/35	R32/3.1/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

TOSHIBA



RAV - Ceiling Type - Super Digital Inverter - Series 1 (Continued)

Indoor unit (Ceiling)	RAV-	HM1101CTP-E	HM1401CTP-E
Indoor Unit Retail Price		£1,157	£1,458
Outdoor unit	RAV-	GP1101AT8-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,278	£3,400
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£4,591	£5,014
Rated Cooling capacity	kW	10.0	12.5
Rated Heating capacity	kW	11.2	14.0
UK Cooling Total/Sensible	kW	9.50/7.90	11.90/8.90
UK Heating	kW	7.30	9.76
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.80-4.23 - A++/A+	7.99-4.74 - 316.6/186.6
Weight ID - OD	kg	37 - 95	37 - 104
Dimensions (H x W x D) - ID	mm	235 x 1586 x 690	235 x 1586 x 690
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1550 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	517 - 375 - 283	567 - 425 - 333
Outdoor Airflow (High)	m3/h - l/s	6060 - 1683	6960 - 1933
Sound pressure level (H-M-L) ID / OD**	dB(A)	44-38-32 - 49/50	46-41-35 - 50/51
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 10	220/240-1-50 & 25
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.6/40	R32/3.1/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating



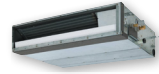
RAV - Ceiling Type - Super Digital Inverter - Series 1 (Continued)

Indoor unit (Ceiling)	RAV-	HM1401CTP-E	HM1601CTP-E
Indoor Unit Retail Price		£1,458	£1,485
Outdoor unit	RAV-	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,423	£3,639
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£5,037	£5,280
Rated Cooling capacity	kW	12.5	14.0
Rated Heating capacity	kW	14.0	16.0
UK Cooling Total/Sensible	kW	11.90/8.90	13.30/9.30
UK Heating	kW	9.14	10.45
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.60-4.22 - 261.0/165.8	6.24-4.21 - 246.6/165.4
Weight ID - OD	kg	37 - 95	37 - 95
Dimensions (H x W x D) - ID	mm	235 x 1586 x690	235 x 1586 x690
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	567 - 425 - 333	567 - 425 - 333
Outdoor Airflow (High)	m3/h - l/s	6180 - 1717	6180 - 1717
Sound pressure level (H-M-L) ID / OD**	dB(A)	46-41-35 - 51/52	46-42-36 - 51/53
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.6/40	R32/2.6/40

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

TOSHIBA



RAV - Slim Ducted - Super Digital Inverter - Series 1

Indoor unit (Slim Duct)	RAV-	HM561SDTY-E	HM801SDTY-E
Indoor Unit Retail Price		£738	£826
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E
Outdoor Unit Retail Price		£1,470	£2,138
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£2,364	£3,120
Rated Cooling capacity	kW	5.0	7.1
Rated Heating capacity	kW	5.6	8.0
UK Cooling Total/Sensible	kW	4.32/3.24	6.66/4.77
UK Heating	kW	3.20	4.64
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.15 - 4.23 - A++/A+	6.68 - 4.27 - A++/A+
Weight ID - OD	kg	19 - 45	22 - 74
Dimensions (H x W x D) - ID	mm	210 x 700 x 450	210 x 700 x 450
Dimensions (H x W x D) - OD	mm	630 x 799 x 299	1050 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	216 - 198 - 180	316 - 284 - 252
External Static Pressure (Upper - Lower)	Pa	(50-10)	(50-10)
Outdoor Airflow (High)	m3/h - l/s	2250 - 625	3180 - 883
Sound pressure level (H-M-L) ID / OD**	dB(A)	34-32-29 - 46/48	37-34-32 - 46/48
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/50 - 30	3/50 - 30
Chargeless pipe length	m	20	30
Refrigerant - additional charge	Type/kg/g	R32/1.35/20	R32/1.9/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating



RAV - Standard Ducted - Super Digital Inverter - Series 1

Indoor unit (Standard Duct)	RAV-	HM561BTP-E	HM801BTP-E	HM1101BTP-E
Indoor Unit Retail Price		£801	£1,034	£1,182
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E
Outdoor Unit Retail Price		£1,470	£2,138	£3,097
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£2,427	£3,328	£4,435
Rated Cooling capacity	kW	5.0	7.1	10.0
Rated Heating capacity	kW	5.6	8.0	11.2
UK Cooling Total/Sensible	kW	4.80/4.00	7.40/5.30	9.50/7.90
UK Heating	kW	3.55	5.15	8.00
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.81-4.27 - A+/A+	7.86-4.85 - A++/A++	7.19-4.30 - A++/A+
Weight ID - OD	kg	23 - 45	30 - 74	40 - 104
Dimensions (H x W x D) - ID	mm	275 x 700 x 750	275 x 1000 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	630 x 799 x 299	1050 x 1010 x 370	1550 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	222 - 175 - 133	333 - 258 - 208	583 - 458 - 350
External Static Pressure (Upper - Lower)	Pa	(120 - 30)	(120 - 30)	(120 - 30)
Outdoor Airflow (High)	m3/h - l/s	2250 - 625	3180 - 883	6960 - 1933
Sound pressure level (H-M-L) ID / OD**	dB(A)	33-29-25 - 46/48	34-30-26 - 46/48	40-36-33 - 49/50
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/50 - 30	3/50 - 30	3/75 - 30
Chargeless pipe length	m	20	30	30
Refrigerant - additional charge	Type/kg/g	R32/1.35/20	R32/1.9/35	R32/3.1/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

TOSHIBA



RAV - Standard Ducted - Super Digital Inverter - Series 1 (Continued)

Indoor unit (Standard Duct)	RAV-	HM1101BTP-E	HM1401BTP-E
Indoor Unit Retail Price		£1,182	£1,319
Outdoor unit	RAV-	GP1101AT8-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,278	£3,400
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£4,616	£4,875
Rated Cooling capacity	kW	10.0	12.5
Rated Heating capacity	kW	11.2	14.0
UK Cooling Total/Sensible	kW	9.50/7.90	11.90/9.00
UK Heating	kW	7.31	9.76
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.10-4.19 - A+/A+	6.77-4.29 - 267.8/168.6
Weight ID - OD	kg	40 - 95	40 - 104
Dimensions (H x W x D) - ID	mm	275 x 1400 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1550 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	583 - 458 - 350	583 - 458 - 350
External Static Pressure (Upper - Lower)	Pa	(120 - 30)	(120 - 30)
Outdoor Airflow (High)	m3/h - l/s	6060 - 1683	6960 - 1933
Sound pressure level (H-M-L) ID / OD**	dB(A)	40-36-33 - 49/50	40-36-33 - 50/51
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 10	220/240-1-50 & 25
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.6/40	R32/3.1/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating



RAV - Standard Ducted - Super Digital Inverter - Series 1 (Continued)

Indoor unit (Standard Duct)	RAV-	HM1401BTP-E	HM1601BTP-E
Indoor Unit Retail Price		£1,319	£1,439
Outdoor unit	RAV-	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,423	£3,639
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£4,898	£5,234
Rated Cooling capacity	kW	12.5	14.0
Rated Heating capacity	kW	14.0	16.0
UK Cooling Total/Sensible	kW	11.90/9.00	13.30/9.70
UK Heating	kW	9.14	10.45
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.03-3.99 - 238.2/156.6	5.82-3.96 - 229.8/155.4
Weight ID - OD	kg	40 - 95	40 - 95
Dimensions (H x W x D) - ID	mm	275 x 1400 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	583 - 458 - 350	583 - 458 - 350
External Static Pressure (Upper - Lower)	Pa	(120 - 30)	(120 - 30)
Outdoor Airflow (High)	m3/h - l/s	6180 - 1717	6180 - 1717
Sound pressure level (H-M-L) ID / OD**	dB(A)	40-36-33 - 51/52	40-36-33 - 51/53
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.6/40	R32/2.6/40

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

TOSHIBA

RAV - Floor Standing - Super Digital Inverter - Series 1

Indoor unit (Floor-Standing)	RAV-	HM561FT-E	HM801FT-E	HM1101FT-E
Indoor Unit Retail Price		£1,976	£2,118	£2,284
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E
Outdoor Unit Retail Price		£1,470	£2,138	£3,097
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£3,602	£4,412	£5,537
Rated Cooling capacity	kW	5.0	7.1	10.0
Rated Heating capacity	kW	5.6	8.0	11.2
UK Cooling Total/Sensible	kW	4.80/3.40	6.70/4.60	9.50/7.10
UK Heating	kW	3.55	5.25	8.00
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.87-4.21 - A+/A+	6.43-4.43 - A++/A+	6.99-4.40 - A++/A+
Weight ID - OD	kg	44 - 45	45 - 74	59 - 104
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 390
Dimensions (H x W x D) - OD	mm	630 x 799 x 299	1050 x 1010 x 370	1550 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	228 - 194 - 167	258 - 214 - 178	461 - 394 - 325
Outdoor Airflow (High)	m3/h - l/s	2250 - 625	3180 - 883	6960 - 1933
Sound pressure level (H-M-L) ID / OD**	dB(A)	46-42-38 - 46/48	50-45-41 - 46/48	51-46-41 - 49/50
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/50 - 30	3/50 - 30	3/75 - 30
Chargeless pipe length	m	20	30	30
Refrigerant - additional charge	Type/kg/g	R32/1.35/20	R32/1.9/35	R32/3.1/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

*** TCB-CKC1F blanking plate available as accessories (£53)



RAV - Floor Standing - Super Digital Inverter - Series 1 (Continued)

Indoor unit (Floor-Standing)	RAV-	HM1101FT-E	HM1401FT-E
Indoor Unit Retail Price		£2,284	£2,396
Outdoor unit	RAV-	GP1101AT8-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,278	£3,400
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£5,718	£5,952
Rated Cooling capacity	kW	10.0	12.3
Rated Heating capacity	kW	11.2	13.2
UK Cooling Total/Sensible	kW	9.50/7.10	11.90/8.30
UK Heating	kW	7.31	9.76
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.14-4.02 - A++/A+	6.49-4.38 - 256.6/172.2
Weight ID - OD	kg	59 - 95	59 - 104
Dimensions (H x W x D) - ID	mm	1750 x 600 x 390	1750 x 600 x 390
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1550 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	461 - 394 - 325	489 - 411 - 375
Outdoor Airflow (High)	m3/h - l/s	6060 - 1683	6960 - 1933
Sound pressure level (H-M-L) ID / OD**	dB(A)	51-46-41 - 49/50	53-48-45 - 50/51
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 10	220/240-1-50 & 25
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.6/40	R32/3.1/35

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

*** TCB-CKC1F blanking plate available as accessories (£53)

TOSHIBA



RAV - Floor Standing - Super Digital Inverter - Series 1 (Continued)

Indoor unit (Floor-Standing)	RAV-	HM1401FT-E	HM1601FT-E
Indoor Unit Retail Price		£2,396	£2,513
Outdoor unit	RAV-	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,423	£3,639
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£5,975	£6,308
Rated Cooling capacity	kW	12.5	14.0
Rated Heating capacity	kW	14.0	16.0
UK Cooling Total/Sensible	kW	11.90/8.30	13.30/8.90
UK Heating	kW	9.14	10.45
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.10-4.02 - 241.0/157.8	5.88-3.98 - 232.2/156.2
Weight ID - OD	kg	59 - 95	59 - 95
Dimensions (H x W x D) - ID	mm	1750 x 600 x 390	1750 x 600 x 390
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	489 - 411 - 375	489 - 411 - 375
Outdoor Airflow (High)	m3/h - l/s	6180 - 1717	6180 - 1717
Sound pressure level (H-M-L) ID / OD**	dB(A)	53-48-45 - 51/52	53-48-45 - 51/53
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.6/40	R32/2.6/40

* Other control options are available as accessories

** Figures given for the outdoor unit are cooling/heating

*** TCB-CKC1F blanking plate available as accessories (£53)



RAV Twin-Split High-Wall - Super Digital Inverter - Series 1

Indoor unit x2	RAV-	HM301KRTP-E	HM401KRTP-E	HM561KRTP-E
Indoor Unit Retail Price (Each)		£422	£458	£565
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E
Outdoor Unit Retail Price		£1,470	£2,138	£3,097
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£2,470	£3,210	£4,383
Rated Cooling capacity	kW	5.0	6.7	9.5
Rated Heating capacity	kW	5.3	7.7	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.84-4.19 - A++/A+	7.56-4.16 - A++/A+	8.51-4.07 - A+++ - A+
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	293 x 798 x 230	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	630 x 799 x 299	1050 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	10 - 45	10 - 74	14 - 104
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	20	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/1.35/20-20	R32/1.9/35-20	R32/3.1/35-20

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Twin-Split High-Wall - Super Digital Inverter - Series 1 (Continued)

Indoor unit x2	RAV-	HM561KRTP-E	HM801KRTP-E
Indoor Unit Retail Price (Each)		£565	£609
Outdoor unit	RAV-	GP1101AT8-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,278	£3,400
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£4,564	£4,774
Rated Cooling capacity	kW	9.5	12.1
Rated Heating capacity	kW	11.2	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.57-4.16 - A++-A+	7.10-4.40 - 281.0-173.0
Dimensions (H x W x D) - ID	mm	320 x 1050 x 250	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1550 x 1010 x 370
Weight ID - OD	kg	14 - 95	14 - 104
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 10	220/240-1-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-20	R32/3.1/35-35

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Twin-Split High-Wall - Super Digital Inverter - Series 1 (Continued)

Indoor unit x2	RAV-	HM801KRTP-E	HM801KRTP-E
Indoor Unit Retail Price (Each)		£609	£609
Outdoor unit	RAV-	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,423	£3,639
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£4,797	£5,013
Rated Cooling capacity	kW	12.1	14.0
Rated Heating capacity	kW	13.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.44-4.14 - 254.6-162.6	6.16-4.11 - 243.4-161.4
Dimensions (H x W x D) - ID	mm	320 x 1050 x 250	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	14 - 95	14 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-40	R32/2.6/40-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Twin-Split Compact Cassette - Super Digital Inverter - Series 1

Indoor unit x2	RAV-	HM301MUTP-E	HM401MUTP-E
Indoor Unit Retail Price (Each)		£1,173	£1,182
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E
Outdoor Unit Retail Price		£1,470	£2,138
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£3,972	£4,658
Rated Cooling capacity	kW	5.0	6.7
Rated Heating capacity	kW	5.3	7.7
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.27-4.32 - A++-A+	7.91-4.87 - A++-A++
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	16 - 74	16 - 74
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/1.35/20-20	R32/1.9/35-20

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Twin-Split Compact Cassette - Super Digital Inverter - Series 1

Indoor unit x2	RAV-	HM561MUTP-E	HM561MUTP-E
Indoor Unit Retail Price (Each)		£1,200	£1,200
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£3,097	£3,278
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£5,653	£5,834
Rated Cooling capacity	kW	9.5	9.5
Rated Heating capacity	kW	11.2	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.93-4.42 - A+++A+	6.32-3.94 - A+++A
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320
Weight ID - OD	kg	16 - 104	16 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-20	R32/2.6/40-20

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Twin-Split Standard Cassette - Super Digital Inverter - Series 1

Indoor unit x2	RAV-	HM561UTP-E	HM561UTP-E	HM801UTP-E
Indoor Unit Retail Price (Each)		£1,057	£1,057	£1,136
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,097	£3,278	£3,400
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£5,367	£5,548	£5,828
Rated Cooling capacity	kW	9.5	9.5	12.0
Rated Heating capacity	kW	11.2	11.2	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.88-4.76 - A+++A++	8.53-4.75 - 338.2-187	7.21-4.38 - A+++A+
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370	1340 x 900 x 320
Weight ID - OD	kg	20 - 104	20 - 104	20 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-20	R32/3.1/35-35	R32/2.6/40-20

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Twin-Split Standard Cassette - Super Digital Inverter - Series 1 (Continued)

Indoor unit x2	RAV-	HM801UTP-E	HM801UTP-E
Indoor Unit Retail Price (Each)		£1,136	£1,136
Outdoor unit	RAV-	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,423	£3,639
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£5,851	£6,067
Rated Cooling capacity	kW	12.0	14.0
Rated Heating capacity	kW	13.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.29-4.38 - 288.6-172.2	6.95-4.38 - 275.0-172.2
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	20 - 95	20 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-40	R32/2.6/40-40

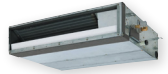
* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Twin-Split Slim Ducted - Super Digital Inverter - Series 1

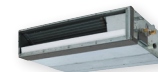
Indoor unit x2	RAV-	HM401SDTY-E	HM561SDTY-E
Indoor Unit Retail Price (Each)		£682	£738
Outdoor unit	RAV-	GP801ATW-E	GP1101AT-E
Outdoor Unit Retail Price		£2,138	£3,097
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£3,658	£4,729
Rated Cooling capacity	kW	7.1	10.0
Rated Heating capacity	kW	8.0	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.50 - 4.26 - A++/A+	6.80 - 4.02 - A++/A+
Dimensions (H x W x D) - ID	mm	210 x 700 x 450	210 x 900 x 450
Dimensions (H x W x D) - OD	mm	1050 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	15 - 74	19 - 104
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 20
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)		R32/1.9/35-20	R32/3.1/35-20

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Twin-Split Slim Ducted - Super Digital Inverter - Series 1 (Continued)

Indoor unit x2	RAV-	HM561SDTY-E	HM801SDTY-E
Indoor Unit Retail Price (Each)		£738	£826
Outdoor unit	RAV-	GP1101AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,278	£3,639
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£4,910	£5,447
Rated Cooling capacity	kW	10.0	14.0
Rated Heating capacity	kW	11.2	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.66 - 3.90 - A+/A	5.79 - 4.10 - *
Dimensions (H x W x D) - ID	mm	210 x 900 x 450	210 x 1100 x 450
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	19 - 95	22 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 10	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)		R32/2.6/40-20	R32/2.6/40-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Twin-Split Ceiling - Super Digital Inverter - Series 1

Indoor unit x2	RAV-	HM401CTP-E	HM561CTP-E	HM561CTP-E
Indoor Unit Retail Price (Each)		£822	£897	£897
Outdoor unit	RAV-	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£2,138	£3,097	£3,278
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£3,938	£5,047	£5,228
Rated Cooling capacity	kW	6.9	9.5	9.5
Rated Heating capacity	kW	7.7	11.2	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.20-5.09 - A++-A++	8.47-4.75 - A++-A++	6.70-4.23 - A++-A+
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 950 x 690	235 x 950 x 690
Dimensions (H x W x D) - OD	mm	1050 x 1010 x 370	1550 x 1010 x 370	1340 x 900 x 320
Weight ID - OD	kg	23 - 74	23 - 104	23 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 20	380/415-3-50 & 10
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/1.9/35-20	R32/3.1/35-20	R32/2.6/40-20

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Twin-Split Ceiling - Super Digital Inverter - Series 1

Indoor unit x2	RAV-	HM801CTP-E	HM801CTP-E	HM801CTP-E
Indoor Unit Retail Price (Each)		£1,061	£1,061	£1,061
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,400	£3,423	£3,639
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£5,678	£5,701	£5,917
Rated Cooling capacity	kW	12.1	12.1	14.0
Rated Heating capacity	kW	13.0	13.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.93-4.73 - 314.2-186.2	6.55-4.22 - 259.0-165.8	6.20-4.21 - 245.0-165.4
Dimensions (H x W x D) - ID	mm	235 x 1270 x 690	235 x 1270 x 690	235 x 1270 x 690
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	29 - 104	29 - 95	29 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 25	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-35	R32/2.6/40-40	R32/2.6/40-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Twin-Split Standard Ducted - Super Digital Inverter - Series 1

Indoor unit x2	RAV-	HM561BTP-E	HM561BTP-E	HM801BTP-E
Indoor Unit Retail Price (Each)		£801	£801	£1,034
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,097	£3,278	£3,400
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£4,855	£5,036	£5,624
Rated Cooling capacity	kW	9.5	9.5	12.1
Rated Heating capacity	kW	11.2	11.2	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.11-4.30 - A++-A+	6.02-4.19 - A+-A+	6.72-4.29 - 265.8-168.6
Dimensions (H x W x D) - ID	mm	275 x 700 x 750	275 x 700 x 750	275 x 1000 x 750
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320	1550 x 1010 x 370
Weight ID - OD	kg	23 - 104	23 - 95	30 - 104
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-20	R32/2.6/40-20	R32/3.1/35-35

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Twin-Split Standard Ducted - Super Digital Inverter - Series 1 (Continued)

Indoor unit x2	RAV-	HM801BTP-E	HM801BTP-E
Indoor Unit Retail Price (Each)		£1,034	£1,034
Outdoor unit	RAV-	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,423	£3,639
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£5,647	£5,863
Rated Cooling capacity	kW	12.1	14.0
Rated Heating capacity	kW	13.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.98-3.99 - 236.2-156.6	5.78-3.96 - 228.2-155.4
Dimensions (H x W x D) - ID	mm	275 x 1000 x 750	275 x 1000 x 750
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	30 - 95	30 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-40	R32/2.6/40-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA

RAV Twin-Split Floor-Standing - Super Digital Inverter - Series 1

Indoor unit x2	RAV-	HM561FT-E	HM561FT-E	HM801FT-E
Indoor Unit Retail Price (Each)		£1,976	£1,976	£2,118
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,097	£3,278	£3,400
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£7,205	£7,386	£7,792
Rated Cooling capacity	kW	9.5	9.5	12.1
Rated Heating capacity	kW	11.2	11.2	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.84-4.40 - A++-A+	6.47-4.38 - 255.8-172.2	6.02-4.02 - A+-A+
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 210
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370	1340 x 900 x 320
Weight ID - OD	kg	44 - 104	45 - 104	44 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-20	R32/3.1/35-35	R32/2.6/40-20

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Twin-Split Floor-Standing - Super Digital Inverter - Series 1 (Continued)

Indoor unit x2	RAV-	HM801FT-E	HM801FT-E
Indoor Unit Retail Price (Each)		£2,118	£2,118
Outdoor unit	RAV-	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,423	£3,639
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) *		£7,815	£8,031
Rated Cooling capacity	kW	12.1	12.1
Rated Heating capacity	kW	13.0	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.01-4.02 - 237.4-157.8	5.81-3.98 - 229.4-156.2
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 210
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	45 - 95	45 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-40	R32/2.6/40-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102E (£229) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Triple-Split High-Wall - Super Digital Inverter - Series 1

Indoor unit x3	RAV-	HM301KRTP-E	HM301KRTP-E	HM401KRTP-E
Indoor Unit Retail Price (Each)		£422	£422	£458
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,097	£3,278	£3,400
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) **		£4,809	£4,990	£5,220
Rated Cooling capacity	kW	9.5	9.5	12.1
Rated Heating capacity	kW	11.2	11.2	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.51-4.07 - A+++A+	6.57-4.16 - A++A+	7.10-4.40 - 281.0-173.0
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320	1550 x 1010 x 370
Weight ID - OD	kg	10 - 104	10 - 95	10 - 104
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-20	R32/2.6/40-20	R32/3.1/35-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Triple-Split High-Wall - Super Digital Inverter - Series 1 (Continued)

Indoor unit x3	RAV-	HM401KRTP-E	HM561KRTP-E
Indoor Unit Retail Price (Each)		£458	£565
Outdoor unit	RAV-	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,423	£3,639
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) **		£5,243	£5,780
Rated Cooling capacity	kW	12.0	14.0
Rated Heating capacity	kW	13.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.44-4.14 - 254.6-162.6	6.13-4.11 - 242.2-161.4
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	10 - 95	14 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-20	R32/2.6/40-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Triple-Split Compact Cassette - Super Digital Inverter - Series 1

Indoor unit x3	RAV-	HM301MUTP-E	HM301MUTP-E	HM401MUTP-E
Indoor Unit Retail Price (Each)		£1,173	£1,173	£1,182
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,097	£3,278	£3,400
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) **		£7,062	£7,243	£7,392
Rated Cooling capacity	kW	9.5	9.5	12.0
Rated Heating capacity	kW	11.2	11.2	12.8
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.93-4.42 - A+++A+	6.32-3.94 - A+++A	*/-
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320	1550 x 1010 x 370
Weight ID - OD	kg	16 - 104	16 - 95	16 - 104
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	220/240-1-50 & 25	380/415-3-50 & 10
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-20	R32/2.6/40-20	R32/3.1/35-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

*/- Awaiting factory data



RAV Triple-Split Compact Cassette - Super Digital Inverter - Series 1 (Continued)

Indoor unit x3	RAV-	HM401MUTP-E	HM561MUTP-E
Indoor Unit Retail Price (Each)		£1,182	£1,200
Outdoor unit	RAV-	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,423	£3,639
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller) **		£7,415	£7,685
Rated Cooling capacity	kW	12.0	14.0
Rated Heating capacity	kW	12.8	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	*/-	6.32-4.15 - 249.8-163.0
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	16 - 95	16 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-20	R32/2.6/40-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

*/- Awaiting factory data

TOSHIBA



RAV Triple-Split Standard Cassette - Super Digital Inverter - Series 1

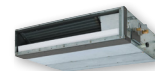
Indoor unit x3	RAV-	HM561UTP-E
Indoor Unit Retail Price (Each)		£1,057
Outdoor unit	RAV-	GP1601AT8-E
Outdoor Unit Retail Price		£3,639
Controller*	RBC-	AMSU52-E
Controller Retail Price		£156
System Retail Price (inc. Controller) **		£7,256
Rated Cooling capacity	kW	14.0
Rated Heating capacity	kW	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.90-4.38 - 273.0-172.2
Dimensions (H x W x D) - ID	mm	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320
Weight ID - OD	kg	20 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30
Chargeless pipe length	m	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Triple-Split Slim Ducted - Super Digital Inverter - Series 1

Indoor unit x3	RAV-	HM561SDTY-E
Indoor Unit Retail Price (Each)		£738
Outdoor unit	RAV-	GP1601AT8-E
Outdoor Unit Retail Price		£3,639
Controller*	RBC-	AMSU52-E
Controller Retail Price		£156
System Retail Price (inc. Controller) **		£6,299
Rated Cooling capacity	kW	14.0
Rated Heating capacity	kW	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.19 - 4.09 - 291.8-191.8
Dimensions (H x W x D) - ID	mm	210 x 900 x 450
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320
Weight ID - OD	kg	19 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30
Chargeless pipe length	m	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Triple-Split Celling - Super Digital Inverter - Series 1

Indoor unit x3	RAV-	HM401CTP-E	HM401CTP-E	HM561CTP-E
Indoor Unit Retail Price (Each)		£822	£822	£897
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,400	£3,423	£3,639
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) **		£6,312	£6,335	£6,776
Rated Cooling capacity	kW	12.1	12.1	14.0
Rated Heating capacity	kW	12.8	12.8	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.93-4.73 - 314.2-186.2	6.55-4.22 - 259.0-165.8	6.17-4.21 - 243.8-165.4
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 950 x 690	235 x 950 x 690
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	23 - 104	23 - 95	23 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 25	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-20	R32/2.6/40-20	R32/2.6/40-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Triple-Split Standard Ducted - Super Digital Inverter - Series 1

Indoor unit x3	RAV-	HM561BTP-E
Indoor Unit Retail Price (Each)		£801
Outdoor unit	RAV-	GP1601AT8-E
Outdoor Unit Retail Price		£3,639
Controller*	RBC-	AMSU52-E
Controller Retail Price		£156
System Retail Price (inc. Controller) **		£6,488
Rated Cooling capacity	kW	14.0
Rated Heating capacity	kW	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.75-3.96 - 227.0-155.4
Dimensions (H x W x D) - ID	mm	275 x 700 x 750
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320
Weight ID - OD	kg	23 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30
Chargeless pipe length	m	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Triple-Split Floor-Standing - Super Digital Inverter - Series 1

Indoor unit x3	RAV-	HM561FT-E
Indoor Unit Retail Price (Each)		£1,976
Outdoor unit	RAV-	GP1601AT8-E
Outdoor Unit Retail Price		£3,639
Controller*	RBC-	AMSU52-E
Controller Retail Price		£156
System Retail Price (inc. Controller) **		£10,013
Rated Cooling capacity	kW	20.0
Rated Heating capacity	kW	22.4
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.75-3.98 - 227.0-156.2
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320
Weight ID - OD	kg	44 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30
Chargeless pipe length	m	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£290) is included in the system price

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification



RAV Quad-Split High-Wall - Super Digital Inverter - Series 1

Indoor unit x4	RAV-	HM301KRTP-E	HM301KRTP-E	HM401KRTP-E
Indoor Unit Retail Price (Each)		£422	£422	£458
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,400	£3,423	£3,639
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) **		£5,244	£5,267	£5,627
Rated Cooling capacity	kW	12.1	12.1	14.0
Rated Heating capacity	kW	13.0	13.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.10-7.10 - 281.0-281.0	6.44-6.44 - 254.6-254.6	6.13-6.13 - 242.2-242.2
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	10 - 104	10 - 95	10 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 25	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-20-20	R32/2.6/40-20-20	R32/2.6/40-20-20

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£312) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RAV Quad-Split Compact Cassette - Super Digital Inverter - Series 1

Indoor unit x4	RAV-	HM301MUTP-E	HM301MUTP-E	HM401MUTP-E
Indoor Unit Retail Price (Each)		£1,173	£1,173	£1,182
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,400	£3,423	£3,639
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) **		£8,248	£8,271	£8,523
Rated Cooling capacity	kW	12.1	12.1	12.1
Rated Heating capacity	kW	12.8	12.8	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	*/-	*/-	6.32-6.32 - 249.8-249.8
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	16 - 104	16 - 95	16 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 25	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-20-20	R32/2.6/40-20-20	R32/2.6/40-20-20

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£312) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

*/- Awaiting factory data



RAV Quad-Split Ceiling - Super Digital Inverter - Series 1

Indoor unit x4	RAV-	HM401CTP-E
Indoor Unit Retail Price (Each)		£822
Outdoor unit	RAV-	GP1601AT8-E
Outdoor Unit Retail Price		£3,639
Controller*	RBC-	AMSU52-E
Controller Retail Price		£156
System Retail Price (inc. Controller) **		£7,083
Rated Cooling capacity	kW	14.0
Rated Heating capacity	kW	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.17-6.17 - 243.8-243.8
Dimensions (H x W x D) - ID	mm	235 x 950 x 690
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320
Weight ID - OD	kg	23 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30
Chargeless pipe length	m	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-20-20

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£312) not included, pipe connectors can be obtained locally

*** Outdoor to header indoor only - Power cable from header indoor to follower indoor = (2C+E)

**** For complete system data please refer to Full Specification

TOSHIBA



RBC-AHU1 Air Handling Unit Applications Digital Inverter Classic

Outdoor Unit	RAV-	GV561ATP-E	GV801ATP-E	GV1101ATP-E	GV1101AT8P-E
Outdoor Unit Retail Price		£985	£1,262	£1,506	£1,883
Sound Pressure Level C/H	dB(A)	46/48	48/52	51/53	53/60
Gas Side - Liquid Side	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min.-Max. Length	m	5/30 - 20	5/30 - 20	5/30 - 30	5/30 - 30
Base Charge/Chargeless To	Type/kg/m	R32/0.9/20	R32/1.4/35	R32/1.7/35	R32/1.7/35
Dimensions (HxWxD)	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300	710 x 900 x 320
Total Weight	kg	36	39	45	59
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20	380/415-3-50 & 10
Control Panel	RBC-	AHU1	AHU1	AHU1	AHU1
Control Panel Retail Price		£561	£561	£561	£561
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	10	10	10	10
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	5.0	6.7	9.5	9.5
Heating	kW	5.3	7.0	10.0	10.0
Air Volume Min - Max	m3/h	480 - 1100	700 - 1500	1260 - 2500	1260 - 2500
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5	5	5

* Follow installation guidance for A2L refrigerant



RBC-AHU1 Air Handling Unit Applications Digital Inverter Classic (Continued)

Outdoor Unit	RAV-	GV1401ATP-E	GV1401AT8P-E	GV1601ATP-E	GV1601AT8P-E
Outdoor Unit Retail Price		£1,851	£1,984	£2,136	£2,463
Sound Pressure Level C/H	dB(A)	53/60	53/60	57/59	57/59
Gas Side - Liquid Side	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min.-Max. Length	m	5/30 - 30	5/30 - 30	5/30 - 30	5/30 - 30
Base Charge/Chargeless To	Type/kg/m	R32/1.9/35	R32/1.9/35	R32/2.2/35	R32/2.2/35
Dimensions (HxWxD)	mm	710 x 900 x 320	710 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Total Weight	kg	57	59	64	66
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16	220/240-1-50 & 32	380/415-3-50 & 16
Control Panel	RBC-	AHU1	AHU1	AHU1	AHU1
Control Panel Retail Price		£561	£561	£561	£561
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	10	10	10	10
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	11.5	12.1	13.0	13.0
Heating	kW	11.9	12.3	13.5	13.5
Air Volume Min - Max	m3/h	1260 - 2750	1260 - 2750	1260 - 3000	1260 - 3000
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5	5	5

* Follow installation guidance for A2L refrigerant

TOSHIBA



RBC-AHU1 Air Handling Unit Applications Digital Inverter

Outdoor Unit	RAV-	GM301ATP-E	GM401ATP-E	GM561ATP-E1	GM801ATP-E
Outdoor Unit Retail Price		£778	£932	£1,109	£1,464
Sound Pressure Level C/H	dB(A)	46/47	49/50	46/48	48/52
Gas Side - Liquid Side	inch	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8
Min.-Max. Length	m	2 - 20 / ±10	2 - 20 / ±10	5 - 30 / ±30	5 - 30 / ±30
Base Charge/Chargeless To	Type/kg/m	R32/0.63/15 - 20	R32/0.9/15 - 20	R32/1.1/20 - 20	R32/1.3/20 - 35
Dimensions (HxWxD)	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Total Weight	kg	29	34	38	44
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16	220/240-1-50 & 16
Control Panel	RBC-	AHU1	AHU1	AHU1	AHU1
Control Panel Retail Price		£561	£561	£561	£561
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	10	10	10	10
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	2.5	3.6	5.0	6.7
Heating	kW	3.4	4.0	5.3	7.7
Air Volume Min - Max	m3/h	480 - 720	480 - 880	480 - 1100	700 - 1500
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5	5	5

* Follow installation guidance for A2L refrigerant



RBC-AHU1 Air Handling Unit Applications Digital Inverter (Continued)

Outdoor Unit	RAV-	GM901ATP-E	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E1
Outdoor Unit Retail Price		£1,617	£1,929	£2,227	£2,033
Sound Pressure Level C/H	dB(A)	51/55	54/57	54/57	55/57
Gas Side - Liquid Side	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min.-Max. Length	m	5 - 30 / ±30	5 - 50 / ±30	5 - 50 / ±30	5 - 50 / ±30
Base Charge/Chargeless To	Type/kg/m	R32/2.0/20 - 35	R32/2.1/30 - 35	R32/2.1/30 - 35	R32/2.1/30 - 35
Dimensions (HxWxD)	mm	630 x 800 x 300	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Total Weight	kg	47	68	69	68
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 20	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 32
Control Panel	RBC-	AHU1	AHU1	AHU1	AHU1
Control Panel Retail Price		£561	£561	£561	£561
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	10	10	10	10
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	8.0	9.5	9.5	12.1
Heating	kW	9.0	11.2	11.2	13.0
Air Volume Min - Max	m3/h	700 - 1500	1260 - 2500	1260 - 2500	1260 - 2750
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5	5	5

* Follow installation guidance for A2L refrigerant

TOSHIBA



RBC-AHU1 Air Handling Unit Applications Digital Inverter (Continued)

Outdoor Unit	RAV-	GM1401AT8P-E1	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,346	£2,735	£3,036
Sound Pressure Level C/H	dB(A)	55/57	53/55	53/55
Gas Side - Liquid Side	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min.-Max. Length	m	5 - 50 / ±30	5 - 50 / ±30	5 - 50 / ±30
Base Charge/Chargeless To	Type/kg/m	R32/2.1/30 - 35	R32/2.4/30 - 35	R32/2.4/30 - 35
Dimensions (HxWxD)	mm	890 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Total Weight	kg	69	95	94
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 16	220/240-1-50 & 32	380/415-3-50 & 16
Control Panel	RBC-	AHU1	AHU1	AHU1
Control Panel Retail Price		£561	£561	£561
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	10	10	10
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	12.1	14.0	14.0
Heating	kW	13.0	16.0	16.0
Air Volume Min - Max	m3/h	1260 - 2750	1260 - 3000	1260 - 3000
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5	5

* Follow installation guidance for A2L refrigerant



RBC-AHU1 Air Handling Unit Applications Digital Inverter (Continued)

Outdoor Unit	RAV-	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£5,351	£5,361
Sound Pressure Level C/H	dB(A)	58/60	61/63
Gas Side - Liquid Side	inch	1-1/8 - 1/2	1-1/8 - 1/2
Min.-Max. Length	m	5-100 / ±30	5-100 / ±30
Base Charge/Chargeless To	Type/kg/m	R32/5.0/30 - 80	R32/5.0/30 - 80
Dimensions (HxWxD)	mm	1550 x 1010 x 370	1550 x 1010 x 370
Total Weight	kg	142	142
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 20
Control Panel	RBC-	AHU1	AHU1
Control Panel Retail Price		£561	£561
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150
Weight	kg	10	10
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil
Cooling	kW	19.0	22.5
Heating	kW	22.4	27.0
Air Volume Min - Max	m3/h	2880 - 4320	3360 - 5040
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5

* Follow installation guidance for A2L refrigerant

TOSHIBA



RBC-AHU1 Air Handling Unit Applications Super Digital Inverter

Outdoor Unit	RAV-	GP561ATW-E	GP801AT-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,470	£2,480	£3,097	£3,278
Sound Pressure Level C/H	dB(A)	46/48	46/48	49/50	49/50
Gas Side - Liquid Side	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min.-Max. Length	m	3 - 50 / ±30	3 - 50 / ±30	3 - 75 / ±30	3 - 75 / ±30
Base Charge/Chargeless To	Type/kg/m	R32/1.35/20 - 20	R32/1.9/30 - 35	R32/3.1/30 - 35	R32/2.6/30 - 40
Dimensions (HxWxD)	mm	630 x 799 x 299	1050 x 1010 x 370	1550 x 1010 x 370	1340 x 900 x 320
Total Weight	kg	45	74	104	95
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20	380/415-3-50 & 10
Control Panel	RBC-	AHU1	AHU1	AHU1	AHU1
Control Panel Retail Price		£561	£561	£561	£561
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	10	10	10	10
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	5.0	7.1	10.0	10.0
Heating	kW	5.6	8.0	11.2	11.2
Air Volume Min - Max	m3/h	480 - 1100	700 - 1500	1260 - 2500	1260 - 2500
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5.00	5.00	5.00

* Follow installation guidance for A2L refrigerant



RBC-AHU1 Air Handling Unit Applications Super Digital Inverter (Continued)

Outdoor Unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,400	£3,423	£3,639
Sound Pressure Level C/H	dB(A)	50/51	50/52	51/53
Gas Side - Liquid Side	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min.-Max. Length	m	3 - 75 / ±30	3 - 75 / ±30	3 - 75 / ±30
Base Charge/Chargeless To	Type/kg/m	R32/3.1/30 - 35	R32/2.6/30 - 40	R32/2.6/30 - 40
Dimensions (HxWxD)	mm	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Total Weight	kg	104	95	95
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 25	380/415-3-50 & 16	380/415-3-50 & 16
Control Panel	RBC-	AHU1	AHU1	AHU1
Control Panel Retail Price		£561	£561	£561
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	10	10	10
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	12.5	12.5	14.0
Heating	kW	14.0	14.0	16.0
Air Volume Min - Max	m3/h	1260 - 2750	1260 - 2750	1260 - 3000
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5.00	5.00	5.00

* Follow installation guidance for A2L refrigerant

TOSHIBA



RBC-DXC031 Air Handling Unit Applications Digital Inverter Classic

Outdoor Unit - Digital Inverter Classic	RAV-	GV561ATP-E	GV801ATP-E	GV1101ATP-E	GV1101AT8P-E
Outdoor Unit Retail Price		£985	£1,262	£1,506	£1,883
Pipe connections (gas - liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	5/30 - 20	5/30 - 20	5/30 - 30	5/30 - 30
Chargeless pipe length	m	20	20	30	30
Refrigerant - additional charge	Type/kg/g	R32/0.9/20	R32/1.4/35	R32/1.7/35	R32/1.7/35
Dimensions (HxWxD)	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300	710 x 900 x 320
Total Weight	kg	36	38	45	59
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 25	380/415-3-50 & 10
Control Panel	RBC-	DXC031	DXC031	DXC031	DXC031
Control Panel Retail Price		£916	£916	£916	£916
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	5.0	6.7	9.5	9.5
Heating	kW	5.3	7.0	10.0	10.0
Air Volume Min - Max	m3/h	720 - 1080	1060 - 1580	1280 - 1920	1280 - 1920
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5	5	5

* Follow installation guidance for A2L refrigerant



RBC-DXC031 Air Handling Unit Applications Digital Inverter Classic (Continued)

Outdoor Unit - Digital Inverter Classic	RAV-	GV1401ATP-E	GV1401AT8P-E	GV1601ATP-E	GV1601AT8P-E
Outdoor Unit Retail Price		£1,851	£1,984	£2,136	£2,463
Pipe connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	5/30 - 30	5/30 - 30	5/30 - 30	5/30 - 30
Chargeless pipe length	m	30	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/1.9/35	R32/1.9/35	R32/2.2/35	R32/2.2/35
Dimensions (HxWxD)	mm	710 x 900 x 320	710 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Total Weight	kg	57	59	64	66
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16	220/240-1-50 & 32	380/415-3-50 & 16
Control Panel	RBC-	DXC031	DXC031	DXC031	DXC031
Control Panel Retail Price		£916	£916	£916	£916
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	11.5	12.1	13.0	13.0
Heating	kW	11.9	12.3	13.5	13.5
Air Volume Min - Max	m3/h	1680 - 2520	1680 - 2520	2080 - 3360	2080 - 3360
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5	5	5

* Follow installation guidance for A2L refrigerant

TOSHIBA



RBC-DXC031 Air Handling Unit Applications Digital Inverter

Outdoor Unit - Digital Inverter	RAV-	GM301ATP-E	GM401ATP-E	GM561ATP-E1	GM801ATP-E
Outdoor Unit Retail Price		£778	£932	£1,109	£1,464
Pipe connections (gas - liquid)	inch	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	2/20 - 10	2/20 - 10	5/30 - 30	5/30 - 30
Chargeless pipe length	m	15	15	20	20
Refrigerant - additional charge	Type/kg/g	R32/0.63/20	R32/0.9/20	R32/1.1/20	R32/1.3/35
Dimensions (HxWxD)	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Total Weight	kg	33	39	38	44
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16	220/240-1-50 & 16
Control Panel	RBC-	DXC031	DXC031	DXC031	DXC031
Control Panel Retail Price		£916	£916	£916	£916
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	2.5	3.6	5.0	6.7
Heating	kW	3.4	4.0	5.3	7.7
Air Volume Min - Max	m3/h	480 - 660	522 - 690	720 - 1080	1060 - 1580
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5	5	5

* Follow installation guidance for A2L refrigerant



RBC-DXC031 Air Handling Unit Applications Digital Inverter (Continued)

Outdoor Unit - Digital Inverter	RAV-	GM901ATP-E	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E1
Outdoor Unit Retail Price		£1,617	£1,929	£2,227	£2,033
Pipe connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	5/30 - 30	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	20	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.0/35	R32/2.1/35	R32/2.1/35	R32/2.1/35
Dimensions (HxWxD)	mm	630 x 800 x 300	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Total Weight	kg	47	68	68	68
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 20	220/240-1-50 & 25	380/415-3-50 & 10	220/240-1-50 & 32
Control Panel	RBC-	DXC031	DXC031	DXC031	DXC031
Control Panel Retail Price		£916	£916	£916	£916
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	8.0	9.5	9.5	12.1
Heating	kW	9.0	11.2	11.2	13.0
Air Volume Min - Max	m3/h	1170 - 1730	1280 - 1920	1280 - 1920	1680 - 2520
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5	5	5

* Follow installation guidance for A2L refrigerant

TOSHIBA



RBC-DXC031 Air Handling Unit Applications Digital Inverter (Continued)

Outdoor Unit - Digital Inverter	RAV-	GM1401AT8P-E1	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,346	£2,735	£3,036
Pipe connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.1/35	R32/2.4/35	R32/2.4/35
Dimensions (HxWxD)	mm	890 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Total Weight	kg	68	95	94
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 16	220/240-1-50 & 32	380/415-3-50 & 16
Control Panel	RBC-	DXC031	DXC031	DXC031
Control Panel Retail Price		£916	£916	£916
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	12.1	14.0	14.0
Heating	kW	13.0	16.0	16.0
Air Volume Min - Max	m3/h	1680 - 2520	2080 - 3360	2080 - 3360
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5	5

* Follow installation guidance for A2L refrigerant



RBC-DXC031 Air Handling Unit Applications Digital Inverter (Continued)

Outdoor Unit - Digital Inverter	RAV-	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£5,351	£5,361
Pipe connections (gas - liquid)	inch	1-1/8 - 1/2	1-1/8 - 1/2
Min/Max pipe length - Max Height Difference	m	5/100 - 30	5/100 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/5.0/80	R32/5.0/80
Dimensions (HxWxD)	mm	1550 x 1010 x 370	1550 x 1010 x 370
Total Weight	kg	142	142
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 20
Control Panel	RBC-	DXC031	DXC031
Control Panel Retail Price		£916	£916
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil
Cooling	kW	19.0	22.5
Heating	kW	22.4	27.0
Air Volume Min - Max	m3/h	2880 - 4320	3360 - 5040
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5

* Follow installation guidance for A2L refrigerant

TOSHIBA



RBC-DXC031 Air Handling Unit Applications Super Digital Inverter

Outdoor Unit - Super Digital Inverter	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,470	£2,138	£3,097	£3,278
Pipe connections (gas - liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	3/50 - 30	3/50 - 30	3/75 - 30	3/75 - 30
Chargeless pipe length	m	20	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/1.35/20	R32/1.9/35	R32/3.1/35	R32/2.6/40
Dimensions (HxWxD)	mm	630 x 799 x 299	1050 x 1010 x 370	1550 x 1010 x 370	1340 x 900 x 320
Total Weight	kg	45	74	104	95
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20	380/415-3-50 & 10
Control Panel	RBC-	DXC031	DXC031	DXC031	DXC031
Control Panel Retail Price		£916	£916	£916	£916
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	5.0	7.1	10.0	10.0
Heating	kW	5.6	8.0	11.2	11.2
Air Volume Min - Max	m3/h	720 - 1080	1060 - 1580	1280 - 1920	1280 - 1920
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5	5	5

* Follow installation guidance for A2L refrigerant



RBC-DXC031 Air Handling Unit Applications Super Digital Inverter (Continued)

Outdoor Unit - Super Digital Inverter	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,400	£3,423	£3,639
Pipe connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	3/75 - 30	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/3.1/35	R32/2.6/40	R32/2.6/40
Dimensions (HxWxD)	mm	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Total Weight	kg	104	95	95
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 25	380/415-3-50 & 16	380/415-3-50 & 16
Control Panel	RBC-	DXC031	DXC031	DXC031
Control Panel Retail Price		£916	£916	£916
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	12.5	12.5	14.0
Heating	kW	14.0	14.0	16.0
Air Volume Min - Max	m3/h	1680 - 2520	1680 - 2520	2080 - 3360
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5	5

* Follow installation guidance for A2L refrigerant

TOSHIBA



TCB-IFDLR01UP-E Air Handling Unit Applications Digital Inverter

Outdoor Unit - Digital Inverter	RAV-	GM301ATP-E	GM401ATP-E	GM561ATP-E1	GM801ATP-E
Outdoor Unit Retail Price		£778	£932	£1,109	£1,464
Pipe connections (gas - liquid)	inch	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	2/20 - 10	2/20 - 10	5/30 - 30	5/30 - 30
Chargeless pipe length	m	15	15	20	20
Refrigerant - additional charge	Type/kg/g	R32/0.63/20	R32/0.9/20	R32/1.1/20	R32/1.3/35
Dimensions (HxWxD)	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Total Weight	kg	33	39	38	44
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16	220/240-1-50 & 16
Control Panel	TCB-	IFDLR01UP-E	IFDLR01UP-E	IFDLR01UP-E	IFDLR01UP-E
Control Panel Retail Price		£920	£920	£920	£920
Dimensions (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Weight	kg	4.1	4.1	4.1	4.1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	3.0	3.6	5.6	8.0
Heating	kW	4.5	4.0	6.3	9.0
Air Volume Min - Max	m3/h	310 - 700	310 - 810	480 - 1080	680 - 1620
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	6	6	6	6

* Follow installation guidance for A2L refrigerant



TCB-IFDLR01UP-E Air Handling Unit Applications Digital Inverter (Continued)

Outdoor Unit - Super Digital Inverter	RAV-	GM901ATP-E	GM1101ATP-E	GM1101AT8P-E
Outdoor Unit Retail Price		£1,617	£1,929	£2,227
Pipe connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	5/30 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	20	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.0/35	R32/2.1/35	R32/2.1/35
Dimensions (HxWxD)	mm	630 x 800 x 300	890 x 900 x 320	890 x 900 x 320
Total Weight	kg	47	68	68
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 20	220/240-1-50 & 25	380/415-3-50 & 10
Control Panel	RBC-	IFDLR01UP-E	IFDLR01UP-E	IFDLR01UP-E
Control Panel Retail Price		£920	£920	£920
Dimensions (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Weight	kg	4.1	4.1	4.1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	8.8	11.2	11.2
Heating	kW	9.9	13.0	13.0
Air Volume Min - Max	m3/h	680 - 1890	1020 - 2160	1020 - 2160
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	6	6	6

* Follow installation guidance for A2L refrigerant

TOSHIBA



TCB-IFDLR01UP-E Air Handling Unit Applications Digital Inverter (Continued)

Outdoor Unit - Super Digital Inverter	RAV-	GM1401ATP-E1	GM1401AT8P-E1	GM1601ATP-E
Outdoor Unit Retail Price		£2,033	£2,346	£2,735
Pipe connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.1/35	R32/2.1/35	R32/2.4/35
Dimensions (HxWxD)	mm	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320
Total Weight	kg	68	68	95
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16	220/240-1-50 & 32
Control Panel	RBC-	IFDLR01UP-E	IFDLR01UP-E	IFDLR01UP-E
Control Panel Retail Price		£920	£920	£920
Dimensions (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Weight	kg	4.1	4.1	4.1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	13.2	13.2	16.0
Heating	kW	16.0	16.0	18.0
Air Volume Min - Max	m ³ /h	1200 - 2700	1200 - 2700	1200 - 3500
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	6	6	6

* Follow installation guidance for A2L refrigerant



TCB-IFDLR01UP-E Air Handling Unit Applications Digital Inverter (Continued)

Outdoor Unit - Super Digital Inverter	RAV-	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£3,036	£5,351	£5,361
Pipe connections (gas - liquid)	inch	5/8 - 3/8	1-1/8 - 1/2	1-1/8 - 1/2
Min/Max pipe length - Max Height Difference	m	5/50 - 30	5/100 - 30	5/100 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.4/35	R32/5.0/80	R32/5.0/80
Dimensions (HxWxD)	mm	1340 x 900 x 320	1550 x 1010 x 370	1550 x 1010 x 370
Total Weight	kg	94	142	142
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16	380/415-3-50 & 20
Control Panel	RBC-	IFDLR01UP-E	IFDLR01UP-E	IFDLR01UP-E
Control Panel Retail Price		£920	£920	£920
Dimensions (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Weight	kg	4.1	4.1	4.1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	16.0	22.4	27.0
Heating	kW	18.0	25.0	31.5
Air Volume Min - Max	m3/h	1200 - 3500	2880 - 4320	3360 - 5040
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	6	6	6

* Follow installation guidance for A2L refrigerant

TOSHIBA



TCB-IFDLR01UP-E Air Handling Unit Applications Super Digital Inverter

Outdoor Unit - Super Digital Inverter	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,470	£2,138	£3,097	£3,278
Pipe connections (gas - liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	3/50 - 30	3/50 - 30	3/75 - 30	3/75 - 30
Chargeless pipe length	m	20	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/1.35/20	R32/1.9/35	R32/3.1/35	R32/2.6/40
Dimensions (HxWxD)	mm	630 x 799 x 299	1050 x 1010 x 370	1550 x 1010 x 370	1340 x 900 x 320
Total Weight	kg	45	74	104	95
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20	380/415-3-50 & 10
Control Panel	TCB-	IFDLR01UP-E	IFDLR01UP-E	IFDLR01UP-E	IFDLR01UP-E
Control Panel Retail Price		£920	£920	£920	£920
Dimensions (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Weight	kg	4.1	4.1	4.1	4.1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	5.6	8.0	12.0	12.0
Heating	kW	7.4	11.2	15.6	15.6
Air Volume Min - Max	m3/h	480 - 1080	680 - 1620	1020 - 2160	1020 - 2160
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	6	6	6	6

* Follow installation guidance for A2L refrigerant



TCB-IFDLR01UP-E Air Handling Unit Applications Super Digital Inverter (Continued)

Outdoor Unit - Super Digital Inverter	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,400	£3,423	£3,639
Pipe connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	3/75 - 30	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/3.1/35	R32/2.6/40	R32/2.6/40
Dimensions (HxWxD)	mm	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Total Weight	kg	104	95	95
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 25	380/415-3-50 & 16	380/415-3-50 & 16
Control Panel	TCB-	IFDLR01UP-E	IFDLR01UP-E	IFDLR01UP-E
Control Panel Retail Price		£920	£920	£920
Dimensions (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Weight	kg	4.1	4.1	4.1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	14.0	14.0	16.0
Heating	kW	18.0	18.0	19.0
Air Volume Min - Max	m3/h	1200 - 2700	1200 - 2700	1200 - 3500
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	6	6	6

* Follow installation guidance for A2L refrigerant

TOSHIBA

RAV Accessories

RAV Accessories	Model	Description	Price
Wireless Controller/Receiver Kits			
Wireless Controller/ Receiver Kits	RBC-AX41U(W)-E	Wireless Receiver Kit for 4-Way Cassette	£191
	RBC-AX33UYP-E	Wireless Receiver Kit for 1-Way Cassette	£57
	RBC-AXU31C-E	Wireless Remote Controller Kit - Ceiling	£246
	RBC-AXU31-E	Wireless Remote Controller Kit - Others (Exclude High Static Ducted)	£317
	RBC-AXU31U-E	Wireless Receiver Kit for 4-Way Cassette	£225
	RBC-AXU31UM-E	Wireless Receiver Kit for Compact Cassette	£145
	RBC-AXU31UW-E	Wireless Receiver Kit for 2-Way Cassette	£265
	RBC-AXU31UMP-E	Wireless Remote Controller Kit for compact 4-way White	£132
	RBC-AXU31UMPB-E	Wireless Remote Controller Kit for compact 4-way Black	£144
	RBC-AXU33UP-E	Wireless Receiver Kit for 4-Way Cassette (Compatible with MMU-UP_1HP-E & RAV-HM_1UTP-E)	£158
	RBC-AXU41U-E	Wireless Receiver Kit for 4-Way Cassette	£225
	RBC-AXU33UPB-E	Wireless Remote Controller kit (IR receiver + handset), Black colour	£173
Controller Wired			
Controller Wired	RBC-AS41E	Simplified Remote Controller	£106
	RBC-ASCU11-E	Compact Remote Controller	£76
	RBC-ASCU32Y-E	Compact Remote Controller	£76
	RBC-AMT32E	Standard Remote Controller	£80
	RBC-AMTU31-E	Standard Remote Controller	£88
	RBC-AMS41E	Standard Remote Controller C/W 24/7 Schedule Timer	£97
	RBC-AMSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer	£156
	RBC-AWSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer + Bluetooth	£179
	RBC-MTSC1	Mini Touch Screen Controller	£290
	RBC-MTSC2	Mini Touch Screen Controller C/W 24/7 Schedule Timer	£344
Central Controller Wired			
Central Controller Wired	BMS-CT1280E	Touch Screen Controller	£4,189
	BMS-CT2560U-E	256 Touch Screen Controller (Multi Language)	£4,638
	BMS-CT5121E	Touch Screen Controller	£5,733
	RBC-BP2	Black Pear BMS Controller	£4,573
	RBC-BPB1	Black Pear Controller For BACnet	£4,254
	RBC-BPM1	Black Pear Controller For Modbus	£4,254

TOSHIBA

RAV Accessories

RAV Accessories	Model	Description	Price
Central Controller Wired (Continued)			
Central Controller Wired (Continued)	RBC-BPT1	Black Pear Controller For Trend	£4,254
	RBC-TBPUTS	Toshiba Black Pear Touchscreen 64/(128 TU2C link Only) ID Units	£3,500
	RBC-TBPUTSBC	Back box for Smart Touch (RBC-TBPUTS)	£254
	TCB-SC640U-E	64 Central Remote Controller	£1,045
Control Panel			
Control Panel	RBC-AC1	Unit Auto Change Over With Temperature High Limit Stat (1 Run/1 Standby)	£1,808
	RBC-AC2	Unit Auto Change Over With Temperature High Limit Stat (2 Run/1 Standby)	£2,105
	RBC-AM1E	Remote Controller	£168
	RBC-EM1-PE	Energy Monitoring Kit	£1,345
Indoor Interface			
Indoor Interface	BMS-IFKX0TLR-E	KNX interface for LC-VRF	£526
	BMS-IFLSV4E	TCS-Net Relay Interface	£994
	BMS-IFMB0TLR-E	Modbus interface for LC-VRF	£440
	BMS-IFMB0UEW-E	MODBUS CONTROLLER FOR ESTIA R32	£496
	BMS-IFMB1280U-E	Modbus Interface	£1,980
	BMS-WB2561PWE	Web Server/Gateway Server Connection Of Up To 256 Indoor Units	£4,101
	RBC-AVS2	Averaging Sensors	£196
	RBC-AVS3	Averaging Sensors	£217
	RBC-AVS4	Averaging Sensors	£231
	RBC-CK1	VRF - DI/SDI Conversion Kit	£145
	RBC-CK2	VRF 6 Series MMF Units Conversion Kit	£118
	RBC-FDP3-AHU	Monitoring & Control Interface With AHU Firmware	£594
	RBC-FDP3-PE	Monitoring & Control Interface For VRF & DI/SDI	£420
	RBC-SMF1	Enables Control Of External Fans	£65
	RBC-SMIM2	Indicator Module For Unit In Heating Mode, Cooling Mode Or Fan	£96
	RBC-SMIM3	Indicator Module For Stopping Fault And Unit Run	£91
	RBC-SMIM4	Indicator Module For Stopping Fault, Unit Run inc. External Start/Stop & Control Lock	£101
	BMS-IWF0010UCP-E	WI-FI interface for LC & VRF	£198

TOSHIBA

RAV Accessories

RAV Accessories	Model	Description	Price
Indoor Interface (Continued)			
Indoor Interface (Continued)	RBC-TS11	Monitoring & Control Interface For VRF & DI/SDI	£332
	RBC-TX10	Input/Output Interface For Third Party Equipment	£405
	RB-I301-E	Leak Detection Sensor Kit	£197
	TCB-ADCN510UP-E	4-Way Cassette Fascia Panel Adapter	£47
	TCB-IFCB5-PE	Window Switch & Remote ON/OFF	£32
	TCB-IFGSM1E	GSM Phone Control Interface	£732
	TCB-PCNT30TLE2	1:1 Model Connection Interface	£115
	TCB-PX100-PE	Enclosure For The Window Switch Remote ON/OFF	£23
Indoor Interface Lead			
Indoor Interface Lead	TCB-PX30MUE	Terminal Box For TCB-PCNT30TLE2	£87
	RBC-TAEX1	Extension Sensor TA	£42
	RBC-CN61CIMC	CN61 5 M Lead	£30
	RBC-IT4-PE	Timer For DI/SDI	£156
	RBC-SMCN61	Interface Lead For ON/OFF And Unit Remote Controller Lock	£12
	RBC-SMT1	Timer Interface Lead	£12
	TCB-KBCN32VEE	Connector For CN 32	£201
	TCB-KBCN60OPE	Connector For CN 60	£394
	TCB-KBCN61HAE	Connector For CN 61	£400
	TCB-KBCN70OAE	Connector For CN 70	£196
	TCB-KBCN73DEE	Connector For CN 73	£198
	TCB-KBCN80EXE	Connector For CN 80	£204
Interface			
Interface	TCB-KBOS4E	Cable Connector Kit	£41
	BMS-IFDD03E	Digital I/O Relay Interface	£688
	BMS-IFWH5E	Energy Monitoring Relay Interface	£650
	RBC-DI1-PE	Digital Input/Output Module (DI160)	£410
	RBC-IT2-PE	Timer Interface For R407C Equipment	£146
	TCB-DK01SS-E	Dyna Doctor Hardware	£2,145
Interface			
TCB-IFCB640TLE			Analogue Interface
			£2,127

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RAV Accessories

RAV Accessories	Model	Description	Price
Interface (Continued)			
Interface (Continued)	TCB-IFCG1TLE	General Purpose Interface	£2,127
	TCB-IFLN642TLE	LonWorks Gateway,	£1,626
	TCB-PCUC2E	Application Control Kit	£153
	TCB-PX40MUME	Control Box Enclosure For Interface PCB's	£87
Occupancy Sensor			
Occupancy Sensor	TCB-SIR33UP-E	Occupancy Sensor Kit (Compatible with MMU-UP_1HP-E & RAV-HM_1UTP-E)	£90
	TCB-SIR41U-E	Occupancy Sensor (Smart Cassettes)	£104
	TCB-SIR41UM-E	Occupancy Sensor (New 7 Series Compact Cassettes)	£104
	TCB-SIR41UY-P-E	Occupancy Sensor (1-Way cassette)	£90
Remote Sensor			
Remote Sensor	TCB-TC41U-E	Remote Sensor	£95
Air Discharge, Filtration & Inlet			
Air Discharge, Filtration & Inlet	RBC-VCK1	Ducted Vertical Conversion Kit	£668
	TCB-BC1602UE	4 Way Cassette Air Discharge Direction Kit (Suit 31PG)	£83
	TCB-BC1603UE	Smart Cassette Air Discharge Direction Kit	£83
	TCB-FF101URE2	Fresh Air Connection Spigot Kit (New 7 Series Compact Cassettes)	£58
	TCB-FF151US-E	Auxiliary Fresh Air Flange	£70
	TCB-SF160C6BPE	Discharge spigots for LC/VRF Ducted 4.0-6.0 HP	£217
	TCB-SF56C6BPE	Discharge spigots for LC/VRF Ducted 1.5-2.0 HP	£144
	TCB-SF80C6BPE	Discharge spigots for LC/VRF Ducted 3.0 HP	£170
	TCB-EAPC1UHP-E	Air Purifier Kit 4-Way Cassette (Heating RC + PURE Button)	£1,094
	TCB-GB1601UE2	Fresh-Air Inlet Box	£79
	TCB-GB1602UE	Fresh Air Inlet Box	£83
	TCB-GB1602UE2	Fresh Air Inlet Box	£69
	TCB-GFC1601UE2	Fresh-Air & Filter Chamber	£365
	TCB-GFC1602UE2	Fresh Air & Filter Chamber	£181
	TCB-GFC1603UE	Smart Cassette Fresh Air Filter Chamber	£220
	TCB-LK1401D-E	Long Life Filter Kit For MMD-*036_056#HP-E	£94
	TCB-LK2801DP-E	Long Life Filter Kit For MMD-*072_096#HP-E	£144
	TCB-LK801D-E	Long Life Filter Kit For MMD-*018_027#HP-E	£73

TOSHIBA

RAV Accessories

RAV Accessories	Model	Description	Price
Air Discharge, Filtration & Inlet (Continued)			
Air Discharge, Filtration & Inlet (Continued)	TCB-UFH0481D-E	High Efficiency Filter 90% (48)	£566
	TCB-UFH1281D-E	High Efficiency Filter 90% (72-128)	£808
	TCB-UFM0481D-E	High Efficiency Filter 65% (48)	£563
	TCB-UFM1281D-E	High Efficiency Filter 65% (72-128)	£759
	TCB-SP1602UE	4-Way Cassette Spacer Height Adjustment For RBC-U32/U33P-E	£220
	TCB-SP1603UE	Smart Cassette Spacer Height Adjustment For RBC-U41PG(W)-E	£220
R410A Leak Detection			
R410A Leak Detection	RBC-RI1	Room Indicator For Use With RBC-RP1 (Legrand Graphite) Currently Grey	£94
	RBC-LDCIMC	Leak Detection 15M Lead	£58
	RBC-RP1	Repeater Panel C/W Battery Back Up	£1,683
	RBC-TSRP1	Repeater Panel (for use with RBC-TBPTS)	£786
	TCB-LD12V	Room Leak Detection Transformer 12v & Cable Kit (use with TCB-LDS1 & TCB-LDS2)	£203
	TCB-LDS1	Room Leak Detection With White Faceplate (requires Remote 12v Transformer)	£488
	TCB-LDS1BLK	Room Leak Detection With Black Faceplate (requires Remote 12v Transformer)	£439
	TCB-LDS2	Room Leak Detection With Stainless Steel Faceplate (requires Remote 12v Transformer)	£505
	RBC-TQ31	Room Leak Detector (With CN80 Cable)	£414
	RBC-TQ32-32	Area Alarm Panel - 32 Channels	£2,334
	RBC-TQ32-64	Area Alarm Panel - 64 Channels	£2,651
	RBC-TQ35	Central Alarm Panel (Combine upto 16 Area alarm panels)	£2,016
Outdoor Interface			
Outdoor Interface	TCB-IFCB-4E2	Remote Location ON/OFF Control Box	£339
	TCB-PCDM4E	Power Peak-Cut Control Board (SMMS/SHRM)	£121
	TCB-PCOS1E2	Application Control Kit	£222
Branch Joints			
Branch Joints	RBC-DTWP102-E	Double Twin Kit For DI & SDI	£312
	RBC-TRP100E	Triple Pipe Kit	£290
	RBC-TWP102-E	Twin Kit Large Capacity Di	£229
	RBC-TWP31-E	Twin Kit	£96
	RBC-TWP50E2	Twin Kit	£100

TOSHIBA

RAV Accessories

RAV Accessories	Model	Description	Price
Condensate			
Condensate	TCB-DP22CE2	Drain Up Kits For DI Ceiling FCU	£278
	TCB-DP31CE	Drain Pump For DI Ceiling	£304
	TCB-DP31HEXE	Drain Pump Kit	£753
	TCB-DP40DFP-E	Drain Pump Kit (Lift up to 330 mm)	£444
	TCB-DP40DPE	Drain Pump Kit (MMD-*0726 To 0966HP-E)	£444
	TCB-KP14CPE	Ceiling Suspended Elbow Piping Kit (1.5-2.0hp)	£85
	TCB-KP22CE2	Elbow Piping Kit (*0241-0481)	£107
	TCB-KP24CPE	Ceiling Suspended Elbow Piping Kit (2.5-5.0hp)	£102
Anti-Corrosion Coating			
Anti-Corrosion Coating *	CACC-DF	Double Fan Unit Coil Anti-Corrosion Coating	£386
	CACC-DF1	Double Fan Unit Coil Anti-Corrosion Coating (Large Cap DI)	£427
	CACC-SF	Single Fan Unit Coil Anti-Corrosion Coating	£327
Painted Finish			
Painted Finish *	Paint-Ducted 07-18	Painted Ducted Unit Chassis	£490
	Paint-Ducted 24-30	Painted Ducted Unit Chassis	£559
	Paint-Ducted 36-56	Painted Ducted Unit Chassis	£630
	Paint-High Wall 56-80	Painted High Wall Unit Fascia	£333
	PAINT-U21FP	Painted Compact Cassette Fascia Panel	£317
	PAINT-U31FP	Painted 4-Way Cassette Fascia Panel	£317
Site Services			
Site Services	TTS-HVACC	HVAC Commissioning	TBA
	TTS-HVACM	HVAC Commissioning (additional charge greater than 75 miles journey)	TBA
	TTS-HVACA	HVAC Commissioning (additional charge overnight accommodation)	TBA
	TTS-HVACS	HVAC Site Visit	TBA
	TTS-HVACF	HVAC Fault Finding	TBA

*Additional delivery charges may apply

TOSHIBA**ESTiA**

RESIDENTIAL AIR-TO-WATER

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Estia R32 - Outdoor Unit - 1ph

Outdoor Unit	HWT-	401HW-E	601HW-E	801HW-E
Outdoor Unit Retail Price		£1,603	£1,802	£3,108
Nominal Heating Capacity	kW	4.0	6.0	8.0
SCOP - Energy Label	kW/kW	4.53 - A+++	4.58 - A+++	4.63 - A+++
Sound Pressure Outdoor (Rated-Silent)	dB(A)	45-40	46-42	51-46
Dimensions (HxWxD)	mm	630 x 800 x 300	630 x 800 x 300	1050 x 1010 x 370
Weight	kg	42	42	75
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 25
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare Connections (Gas - Liquid)	inch	1/2 - 1/4	1/2 - 1/4	5/8 - 1/4
Min.-Max. Length - Height Difference	m	5-30 - 30	5-30 - 30	5-30 - 30
Chargeless pipe length	kg/m	20	20	8
Refrigerant - additional charge	Type/kg/g	R32/0.9/20	R32/0.9/20	R32/1.25/25

TOSHIBA**ESTiA****Estia R32 - Outdoor Unit - 1ph (Continued)**

Outdoor Unit	HWT-	1101HW-E	1401HW-E
Outdoor Unit Retail Price		£3,481	£4,302
Nominal Heating Capacity	kW	11.0	14.0
SCOP - Energy Label	kW/kW	4.55 - A+++	4.60 - A+++
Sound Pressure Outdoor (Rated-Silent)	dB(A)	51-49	59-50
Dimensions (HxWxD)	mm	1050 x 1010 x 370	1050 x 1010 x 370
Weight	kg	75	88
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 25	220/240-1-50 & 32
Interconnecting Cable		(3C+E)	(3C+E)
Flare Connections (Gas - Liquid)	inch	5/8 - 1/4	5/8 - 1/4
Min.-Max. Length - Height Difference	m	5-30 - 30	5-30 - 25
Chargeless pipe length	kg/m	8	8
Refrigerant - additional charge	Type/kg/g	R32/1.25/25	R32/1.4/25



Estia R32 - Outdoor Unit - 3ph

Outdoor Unit	HWT-	801H8W-E	1101H8W-E	1401H8W-E
Outdoor Unit Retail Price		£3,878	£4,343	£5,377
Nominal Heating Capacity	kW	8.0	11.0	14.0
SCOP - Energy Label	kW/kW	4.51 - A+++	4.56 - A+++	4.57 - A+++
Sound Pressure Outdoor (Rated-Silent)	dB(A)	50-48	58-49	59-51
Dimensions (HxWxD)	mm	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370
Weight	kg	92	92	92
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 25	380/415-3-50 & 25	380/415-3-50 & 25
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare Connections (Gas - Liquid)	inch	5/8 - 1/4	5/8 - 1/4	5/8 - 1/4
Min.-Max. Length - Height Difference	m	5-25 - 25	5-25 - 25	5-25 - 25
Chargeless pipe length	kg/m	8	8	8
Refrigerant - additional charge	Type/kg/g	R32/1.3/25	R32/1.3/25	R32/1.4/25

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Estia R32 - Hydro unit

Hydro Unit	HWT-	601XWHM3W-E	601XWHM6W-E	1101XWHM3W-E
Hydro Unit Retail Price		£3,251	£3,490	£3,551
Operation Temperature Range Heating	kW	20 - 55	20 - 55	20 - 65
Pump Flow Rate	kW/kW	11.6	17.3	23.1
Sound Pressure Level	dB(A)	29	29	29
Dimensions (HxWxD)	mm	720 x 450 x 235	720 x 450 x 235	720 x 450 x 235
Weight	kg	27	27	27
Back Up Heater Power/Maximum Current	kW/Amps	3.0/13	6.0/26	3.0/13
Suggested Back Up Heater Power Supply	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 32	220/240-1-50 & 16
Water Pipe Outlet/Inlet	mm	R1 1/4	R1 1/4	R1 1/4
Refrigerant Piping (gas - liquid)	inch	1/2 - 1/4	1/2 - 1/4	5/8 - 1/4



Estia R32 - Hydro unit (Continued)

Hydro Unit	HWT-	1101XWHM6W-E	1401XWHM3W-E	1401XWHM6W-E
Hydro Unit Retail Price		£3,800	£4,059	£4,343
Operation Temperature Range Heating	kW	20 - 65	20 - 65	20 - 65
Pump Flow Rate	kW/kW	23.1	40.1	40.1
Sound Pressure Level	dB(A)	29	29	29
Dimensions (HxWxD)	mm	720 x 450 x 235	720 x 450 x 235	720 x 450 x 235
Weight	kg	27	27	27
Back Up Heater Power/Maximum Current	kW/Amps	6.0/26	3.0/13	6.0/26
Suggested Back Up Heater Power Supply	V-ph-Hz & A	220/240-1-50 & 32	220/240-1-50 & 16	220/240-1-50 & 32
Water Pipe Outlet/Inlet	mm	R1 1/4	R1 1/4	R1 1/4
Refrigerant Piping (gas - liquid)	inch	5/8 - 1/4	5/8 - 1/4	5/8 - 1/4

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Estia R32 - Domestic Hot Water Tank

Domestic Hot Water Tank	HWS-	1501CSHM3-UK	2101CSHM3-UK	3001CSHM3-UK
Material		Stainless steel	Stainless steel	Stainless steel
DHWT Retail Price		£1,172	£1,366	£1,657
Maximum Water Temperature	°C	75	75	75
Water Volume	litres	150	210	300
Standing Heat Loss	kWh/day	1.45	1.91	2.52
Opening Temperature of T&P Relief Valve	°C	90	90	90
Opening Pressure of T&P Relief Valve	mPa - bar	1.0 - 10	1.0 - 10	1.0 - 10
Electric Heater	kW	2.75	2.75	2.75
Height - Diameter	mm	1090 - 550	1474 - 550	2040 - 550
Net Weight	kg	31	41	60
Suggested Power Supply	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 16

ESTiA Accessories

ESTIA Accessories	Model	Description	Price
Controller Wired			
Controller Wired	HWS-AMS54E	Remote Controller	£156
	HWS-AMSU51-E	2nd Remote Controller	£131
Indoor Interface			
Indoor Interface	HWS-IFAIP01U-E	0-10V Interface	£279
	HWS-IWF0010UP-E	Wifi Interface Box	£198
Interface			
Interface	TCB-PCIN3E	Error Output Control Board (Estia)	£123
	TCB-PCMO3E	External Input PCB (Estia)	£86

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USX Edge
R32 High Capacity Heat Pump

USX R32 High Capacity Heat Pump	Pages
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Push Boundaries with USX Edge R32 High Capacity Heat Pump*

- Outstanding high energy efficiency at full load and partial load, thanks to the combination of the low GWP refrigerant R32 and the new generation of DC inverter compressor.
- Precise control of water volume and pressure based on the required load, thanks to the internal pump module with variable flow bypass control, for higher system efficiency.



Low GWP
R32 refrigerant



Risk diversification
by modular
structure



X frame space
saving design



Twin rotary
Compressor



Market leading
efficiencies



Broad operating
range



[Click here](#) to download the full USX Edge brochure

[Click here](#) to download Toshiba's full road to Net Zero solutions brochure and how the USX can benefit you

*For further details on product specification and pricing please contact projects.uk@toshiba-ac.com

TOSHIBA

SMMSu
SUPER MODULAR MULTI SYSTEM

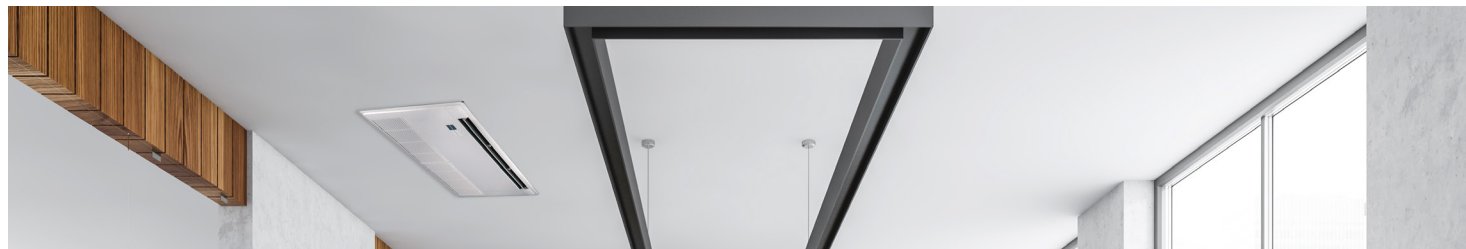
SHRM
SUPER HEAT RECOVERY MULTI

R410A
REFRIGERANT

VRF

R410a Outdoor Units

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Mini SMMSe - VRF 2-Pipe Heat Pump Outdoor Unit 1Ph

Outdoor unit - SD	MCY-	MHP0406HT-E	MHP0506HT-E1	MHP0404HS-E
Outdoor Unit Retail Price		£3,503	£3,782	£4,268
Rated Cooling capacity	kW	12.1	14.0	12.1
Rated Heating capacity	kW	12.5	16.0	12.5
Maximum Number Of Indoor Units	Qty	8	10	8
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.08-3.83 - 320.2-150.2	7.77-3.88 - 307.8-152.2	9.42-4.17 - 373.8-163.8
Sound pressure level	dB(A)	57	58	52
Dimensions (HxWxD)	mm	910 x 990 x 390	910 x 990 x 390	1235 x 990 x 390
Weight	kg	100	100	127
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	220/240-1-50 & 25	220/240-1-50 & 20
Power Cable - OD		(3C+E)	(3C+E)	(3C+E)
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Max pipe length - Max height separation*	m	90 - 15/15	90 - 15/15	100 - 20/30
Refrigerant additional charge R410A	kg	3.3	3.3	6.4

* Figures given are for OD below/above indoor unit

TOSHIBA



Mini SMMSe - VRF 2-Pipe Heat Pump Outdoor Unit 1ph (Continued)

Outdoor unit - SD	MCY-	MHP0504HS-E	MHP0604HS-E
Outdoor Unit Retail Price		£4,826	£5,189
Rated Cooling capacity	kW	14.0	15.5
Rated Heating capacity	kW	16.0	18
Maximum Number Of Indoor Units	Qty	10	13
SEER - SCOP - Energy Label (or nsc %)	kW/kW	9.23-4.24 - 366.2-166.6	9.68-4.37 - 384.2-171.8
Sound pressure level	dB(A)	53	54
Dimensions (HxWxD)	mm	1235 x 990 x 390	1235 x 990 x 390
Weight	kg	127	127
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 25	220/240-1-50 & 25
Power Cable - OD		(3C+E)	(3C+E)
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8
Max pipe length - Max height separation*	m	100 - 20/30	100 - 20/30
Refrigerant additional charge R410A	kg	6.4	6.4

* Figures given are for OD below/above indoor unit



Mini SMMSe - VRF 2-Pipe Heat Pump Outdoor Unit 3ph

Outdoor unit - SD	MCY-	MHP0404HS8-E	MHP0504HS8-E	MHP0604HS8-E
Outdoor Unit Retail Price		£4,364	£4,946	£5,229
Rated Cooling capacity	kW	12.1	14.0	15.5
Rated Heating capacity	kW	12.5	16.0	18.0
Maximum Number Of Indoor Units	Qty	8	10	13
SEER - SCOP - Energy Label (or nsc %)	kW/kW	9.47-4.19 - 375.8-164.6	9.29-4.25 - 368.6-167.0	9.74-4.38 - 386.6-172.2
Sound pressure level	dB(A)	52	53	54
Dimensions (HxWxD)	mm	1235 x 990 x 390	1235 x 990 x 390	1235 x 990 x 390
Weight	kg	125	125	125
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 10	380/415-3-50 & 16	380/415-3-50 & 16
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	3/4 - 3/8
Max pipe length - Max height separation*	m	180 - 20/30	180 - 20/30	180 - 20/30
Refrigerant additional charge R410A	kg	6.4	6.4	6.4

* Figures given are for OD below/above indoor unit

TOSHIBA



Mini SMMSe - VRF 2-Pipe Heat Pump Outdoor Unit 3ph (Continued)

Outdoor unit - SD	MCY-	MHP0806HS8-E	MHP1006HS8-E
Outdoor Unit Retail Price		£6,481	£6,711
Rated Cooling capacity	kW	22.4	28.0
Rated Heating capacity	kW	22.4	28.0
Maximum Number Of Indoor Units	Qty	12	16
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.09-4.50 - 320.6-177.0	7.40-4.42 - 293.0-173.8
Sound pressure level	dB(A)	59	60
Dimensions (HxWxD)	mm	1740 x 990 x 390	1740 x 990 x 390
Weight	kg	147	147
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 20	380/415-3-50 & 25
Power Cable - OD		(4C+E)	(4C+E)
Pipe Connections (Gas - Liquid)	inch	3/4 - 3/8	3/4 - 3/8
Max pipe length - Max height separation*	m	300 - 50/30	300 - 50/30
Refrigerant additional charge R410A	kg	4.4	4.4

* Figures given are for OD below/above indoor unit



SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit

Outdoor unit	MMY-	MUP0801HT8P-E	MUP1001HT8P-E	MUP1201HT8P-E
Outdoor Unit Retail Price		£7,517	£8,166	£9,446
Rated Cooling capacity	kW	22.4	28.0	33.5
Rated Heating capacity	kW	25.0	31.5	37.5
Maximum Number Of Indoor Units	Qty	18	22	27
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.44-4.50 - 294.6-177.0	7.73-4.78 - 306.2-188.2	7.32-4.75 - 289.8-187.0
Sound pressure level	dB(A)	56	58	62
Dimensions (HxWxD)	mm	1690 x 990 x 780	1690 x 990 x 780	1690 x 990 x 780
Weight	kg	228.00	228.00	228.00
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 20	380/415-3-50 & 25	380/415-3-50 & 32
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
Pipe Connections (Gas - Liquid)	inch	3/4 - 1/2	7/8 - 1/2	1-1/8 - 1/2
Max pipe length - Max height separation*	m	500 - 70/40	500 - 70/40	500 - 70/40
Refrigerant additional charge R410A	kg	6.0	6.0	6.0

* Figures given are for OD below/above indoor unit

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SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit (Continued)

Outdoor unit	MMY-	MUP1401HT8P-E	MUP1601HT8P-E	MUP1801HT8P-E
Outdoor Unit Retail Price		£11,322	£12,327	£13,370
Rated Cooling capacity	kW	40.0	45.0	50.4
Rated Heating capacity	kW	45.0	50.0	56.0
Maximum Number Of Indoor Units	Qty	31	36	40
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.05-4.60 - 279.0-181.0	7.71-4.79 - 305.4-188.6	7.68-4.75 - 304.2-187.0
Sound pressure level	dB(A)	62	63	67
Dimensions (HxWxD)	mm	1690 x 990 x 780	1690 x 1290 x 780	1690 x 1290 x 780
Weight	kg	228.00	312.00	312.00
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 40	380/415-3-50 & 40	380/415-3-50 & 40
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
Pipe Connections (Gas - Liquid)	inch	1-1/8 - 5/8	1-1/8 - 5/8	1-1/8 - 5/8
Max pipe length - Max height separation*	m	500 - 70/40	500 - 70/40	500 - 70/40
Refrigerant additional charge R410A	kg	6.0	9.0	9.0

* Figures given are for OD below/above indoor unit



SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit (Continued)

Outdoor unit	MMY-	MUP2001HT8P-E	MUP2201HT8P-E	MUP2401HT8P-E1
Outdoor Unit Retail Price		£14,291	£15,278	£16,786
Rated Cooling capacity	kW	56.0	61.5	67.0
Rated Heating capacity	kW	63.0	69.0	70.0
Maximum Number Of Indoor Units	Qty	45	49	54
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.62-4.43 - 301.8-174.2	7.23-4.44 - 286.2-174.6	6.87-4.17 - 271.8-163.8
Sound pressure level	dB(A)	67	67	67
Dimensions (HxWxD)	mm	1690 x 1290 x 780	1690 x 1290 x 780	1690 x 1290 x 780
Weight	kg	334.00	356.00	356.00
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 40	380/415-3-50 & 50	380/415-3-50 & 63
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
Pipe Connections (Gas - Liquid)	inch	1-1/8 - 5/8	1-1/8 - 3/4	1-3/8 - 3/4
Max pipe length - Max height separation*	m	500 - 70/40	500 - 70/40	500 - 70/40
Refrigerant additional charge R410A	kg	9.0	9.0	9.0

* Figures given are for OD below/above indoor unit

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SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations

Outdoor Reference	MMY-	UP2611HT8P-E	UP2811HT8P-E	UP3011HT8P-E
Unit 1	MMY-	MUP1401HT8P-E	MUP1401HT8P-E	MUP1801HT8P-E
Unit 2	MMY-	MUP1201HT8P-E	MUP1401HT8P-E	MUP1201HT8P-E
System Retail Price		£20,768	£22,644	£22,816
Rated Cooling capacity	kW	73.5	80.0	83.9
Rated Heating capacity	kW	73.5	80.0	83.9
Maximum Number Of Indoor Units	Qty	58	63	64
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.17-4.67 - 283.8-183.8	7.05-4.60 - 279.0-181.0	7.52-4.75 - 297.8-187.0
Dimensions (HxWxD)	mm	1690 x 2000 x 780	1690 x 2000 x 780	1690 x 2300 x 780
Weight	kg	228 + 228	228 + 228	312 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E) & 40+32	(4C+E) & 40+40	(4C+E)& 40+32
Pipe Connections (Gas - Liquid)	inch	1 3/8 - 3/4	1 3/8 - 3/4	1 3/8 - 3/4
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40
Refrigerant additional charge R410A	kg	6 + 6	6 + 6	9 + 6

* Figures given are for OD below/above indoor unit



SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations (Continued)

Outdoor Reference	MMY-	UP3211HT8P-E	UP3411HT8P-E	UP3611HT8P-E
Unit 1	MMY-	MUP2001HT8P-E	MUP2001HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP1201HT8P-E	MUP1401HT8P-E	MUP1201HT8P-E
System Retail Price		£23,737	£25,613	£26,232
Rated Cooling capacity	kW	89.5	96.0	100.5
Rated Heating capacity	kW	89.5	96.0	100.5
Maximum Number Of Indoor Units	Qty	65	66	67
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.50-4.55 - 297.0-179.0	7.38-4.50 - 292.2-177.0	7.01-4.38 - 277.4-172.2
Dimensions (HxWxD)	mm	1690 x 2300 x 780	1690 x 2300 x 780	1690 x 2300 x 780
Weight	kg	334 + 228	334 + 228	356 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 40+32	(4C+E)& 40+40	(4C+E)& 63+32
Pipe Connections (Gas - Liquid)	inch	1 3/8 - 3/4	1 3/8 - 3/4	1 5/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40
Refrigerant additional charge R410A	kg	9 + 6	9 + 6	9 + 6

* Figures given are for OD below/above indoor unit

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SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations (Continued)

Outdoor Reference	MMY-	UP3811HT8P-E	UP4011HT8P-E	UP4211HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2001HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP1401HT8P-E	MUP2001HT8P-E	MUP1801HT8P-E
System Retail Price		£28,108	£28,582	£30,156
Rated Cooling capacity	kW	107.0	112.0	117.4
Rated Heating capacity	kW	107.0	112.0	117.4
Maximum Number Of Indoor Units	Qty	68	69	70
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.93-4.33 - 274.2-170.2	7.62-4.43 - 301.8-174.2	7.22-4.43 - 285.8-174.2
Dimensions (HxWxD)	mm	1690 x 2300 x 780	1690 x 2600 x 780	1690 x 2600 x 780
Weight	kg	356 + 228	334 + 334	356 + 312
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+40	(4C+E)& 40+40	(4C+E)& 63+40
Pipe Connections (Gas - Liquid)	inch	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40
Refrigerant additional charge R410A	kg	9 + 6	9 + 9	9 + 9

* Figures given are for OD below/above indoor unit



SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations (Continued)

Outdoor Reference	MMY-	UP4411HT8P-E	UP4611HT8P-E	UP4811HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2001HT8P-E	MUP2201HT8P-E	MUP2401HT8P-E
System Retail Price		£31,077	£32,064	£33,572
Rated Cooling capacity	kW	123.0	128.5	134.0
Rated Heating capacity	kW	123.0	128.5	134.0
Maximum Number Of Indoor Units	Qty	71	72	73
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.21-4.30 - 285.4-169.0	7.04-4.31 - 278.6-169.4	6.87-4.17 - 271.8-163.8
Dimensions (HxWxD)	mm	1690 x 2600 x 780	1690 x 2600 x 780	1690 x 2600 x 780
Weight	kg	356 + 334	356 + 356	356 + 356
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+40	(4C+E)& 63+50	(4C+E)& 63+63
Pipe Connections (Gas - Liquid)	inch	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40
Refrigerant additional charge R410A	kg	9 + 9	9 + 9	9 + 9

* Figures given are for OD below/above indoor unit

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SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations (Continued)

Outdoor Reference	MMY-	UP5011HT8P-E	UP5211HT8P-E	UP5411HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2001HT8P-E
Unit 2	MMY-	MUP1401HT8P-E	MUP1401HT8P-E	MUP2001HT8P-E
Unit 3		MUP1201HT8P-E	MUP1401HT8P-E	MUP1401HT8P-E
System Retail Price		£37,554	£39,430	£39,904
Rated Cooling capacity	kW	140.5	147.0	152.0
Rated Heating capacity	kW	140.5	147.0	152.0
Maximum Number Of Indoor Units	Qty	74	75	76
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.02-4.44 - 277.8-174.6	6.96-4.41 - 275.4-173.4	7.49-4.47 - 296.6-175.8
Dimensions (HxWxD)	mm	1690 x 3310 x 780	1690 x 3310 x 780	1690 x 3610 x 780
Weight	kg	356 + 228 + 228	356 + 228 + 228	334 + 334 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+40+32	(4C+E)& 63+40+40	(4C+E)& 40+40+40
Pipe Connections (Gas - Liquid)	inch	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40
Refrigerant additional charge R410A	kg	9 + 6 + 6	9 + 6 + 6	9 + 9 + 6

* Figures given are for OD below/above indoor unit



SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations (Continued)

Outdoor Reference	MMY-	UP5611HT8P-E	UP5811HT8P-E	UP6011HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2001HT8P-E	MUP2001HT8P-E	MUP2401HT8P-E
Unit 3		MUP1201HT8P-E	MUP1401HT8P-E	MUP1201HT8P-E
System Retail Price		£40,523	£42,399	£43,018
Rated Cooling capacity	kW	156.5	163.0	167.5
Rated Heating capacity	kW	156.5	163.0	167.5
Maximum Number Of Indoor Units	Qty	77	78	79
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.23-4.41 - 286.2-173.4	7.19-4.37 - 284.6-171.8	6.95-4.30 - 275.0-169.0
Dimensions (HxWxD)	mm	1690 x 3610 x 780	1690 x 3610 x 780	1690 x 3610 x 780
Weight	kg	356 + 334 + 228	356 + 334 + 228	356 + 356 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+40+32	(4C+E)& 63+40+40	(4C+E) & 63+63+32
Pipe Connections (Gas - Liquid)	inch	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40
Refrigerant additional charge R410A	kg	9 + 9 + 6	9 + 9 + 6	9 + 9 + 6

* Figures given are for OD below/above indoor unit

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SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations (Continued)

Outdoor Reference	MMY-	UP6211HT8P-E	UP6411HT8P-E	UP6611HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2001HT8P-E	MUP2201HT8P-E
Unit 3		MUP1401HT8P-E	MUP2001HT8P-E	MUP2001HT8P-E
System Retail Price		£44,894	£45,368	£46,355
Rated Cooling capacity	kW	174.0	179.0	184.5
Rated Heating capacity	kW	174.0	179.0	184.5
Maximum Number Of Indoor Units	Qty	80	81	82
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.92-4.27 - 273.8-167.8	7.34-4.34 - 290.6-170.6	7.21-4.35 - 285.4-171.0
Dimensions (HxWxD)	mm	1690 x 3610 x 780	1690 x 3910 x 780	1690 x 3910 x 780
Weight	kg	356 + 356 + 228	356 + 334 + 334	356 + 356 + 334
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+40	(4C+E)& 63+40+40	(4C+E)& 63+50+40
Pipe Connections (Gas - Liquid)	inch	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40
Refrigerant additional charge R410A	kg	9 + 9 + 6	9 + 9 + 9	9 + 9 + 9

* Figures given are for OD below/above indoor unit



SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations (Continued)

Outdoor Reference	MMY-	UP6811HT8P-E	UP7011HT8P-E	UP7211HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2001HT8P-E	MUP2201HT8P-E	MUP2401HT8P-E
System Retail Price		£47,863	£48,850	£50,358
Rated Cooling capacity	kW	190.0	195.5	201.0
Rated Heating capacity	kW	190.0	195.5	201.0
Maximum Number Of Indoor Units	Qty	83	84	85
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.09-4.26 - 280.6-167.4	6.98-4.26 - 276.2-167.4	6.87-4.17 - 271.8-163.8
Dimensions (HxWxD)	mm	1690 x 3910 x 780	1690 x 3910 x 780	1690 x 3910 x 780
Weight	kg	356 + 356 + 334	356 + 356 + 356	356 + 356 + 356
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+40	(4C+E)& 63+63+50	(4C+E)& 63+63+63
Pipe Connections (Gas - Liquid)	inch	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40
Refrigerant additional charge R410A	kg	9 + 9 + 9	9 + 9 + 9	9 + 9 + 9

* Figures given are for OD below/above indoor unit

TOSHIBA



SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations (Continued)

Outdoor Reference	MMY-	UP7411HT8P-E	UP7611HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP1401HT8P-E	MUP1401HT8P-E
Unit 4		MUP1201HT8P-E	MUP1401HT8P-E
System Retail Price		£54,340	£56,216
Rated Cooling capacity	kW	207.5	214.0
Rated Heating capacity	kW	207.5	214.0
Maximum Number Of Indoor Units	Qty	86	87
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.97-4.36 - 275.8-171.4	6.93-4.33 - 274.2-170.2
Dimensions (HxWxD)	mm	1690 x 4620 x 780	1690 x 4620 x 780
Weight	kg	356 + 356 + 228 + 228	356 + 356 + 228 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E) & 63+63+40+32	(4C+E)& 63+63+40+40
Pipe Connections (Gas - Liquid)	inch	1 5/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40
Refrigerant - additional charge R410A	kg	9 + 9 + 6 + 6	9 + 9 + 6 + 6

* Figures given are for OD below/above indoor unit



SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations (Continued)

Outdoor Reference	MMY-	UP7811HT8P-E	UP8011HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2001HT8P-E	MUP2401HT8P-E
Unit 3		MUP2001HT8P-E	MUP2001HT8P-E
Unit 4		MUP1401HT8P-E	MUP1201HT8P-E
System Retail Price		£56,690	£57,309
Rated Cooling capacity	kW	219.0	223.5
Rated Heating capacity	kW	219.0	223.5
Maximum Number Of Indoor Units	Qty	88	90
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.30-4.39 - 289.0-172.6	7.14-4.34 - 282.6-170.6
Dimensions (HxWxD)	mm	1690 x 4920 x 780	1690 x 4920 x 780
Weight	kg	356 + 334 + 334 + 228	356 + 356 + 334 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+40+40+40	(4C+E)& 63+63+40+32
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40
Refrigerant additional charge R410A	kg	9 + 9 + 9 + 6	9 + 9 + 9 + 6

* Figures given are for OD below/above indoor unit

TOSHIBA



SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations (Continued)

Outdoor Reference	MMY-	UP8211HT8P-E	UP8411HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2001HT8P-E	MUP2401HT8P-E
Unit 4		MUP1401HT8P-E	MUP1201HT8P-E
System Retail Price		£59,185	£59,804
Rated Cooling capacity	kW	230.0	234.5
Rated Heating capacity	kW	230.0	234.5
Maximum Number Of Indoor Units	Qty	92	94
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.10-4.32 - 281.0-169.8	6.95-4.26 - 275.0-167.4
Dimensions (HxWxD)	mm	1690 x 4920 x 780	1690 x 4920 x 780
Weight	kg	356 + 356 + 334 + 228	356 + 356 + 356 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+40+40	(4C+E)& 63+63+63+32
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40
Refrigerant - additional charge R410A	kg	9 + 9 + 9 + 6	9 + 9 + 9 + 6

* Figures given are for OD below/above indoor unit



SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations (Continued)

Outdoor Reference	MMY-	UP8611HT8P-E	UP8811HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2401HT8P-E	MUP2001HT8P-E
Unit 4		MUP1401HT8P-E	MUP2001HT8P-E
System Retail Price		£61,680	£62,154
Rated Cooling capacity	kW	241.0	246.0
Rated Heating capacity	kW	241.0	246.0
Maximum Number Of Indoor Units	Qty	96	98
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.91-4.25 - 273.4-167.0	7.21-4.30 - 285.4-169.0
Dimensions (HxWxD)	mm	1690 x 4920 x 780	1690 x 5220 x 780
Weight	kg	356 + 356 + 356 + 228	356 + 356 + 334 + 334
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+63+40	(4C+E)& 63+63+40+40
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40
Refrigerant additional charge R410A	kg	9 + 9 + 9 + 6	9 + 9 + 9 + 9

* Figures given are for OD below/above indoor unit

TOSHIBA



SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations (Continued)

Outdoor Reference	MMY-	UP9011HT8P-E	UP9211HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2201HT8P-E	MUP2401HT8P-E
Unit 4		MUP2001HT8P-E	MUP2001HT8P-E
System Retail Price		£63,141	£64,649
Rated Cooling capacity	kW	251.5	257.0
Rated Heating capacity	kW	251.5	257.0
Maximum Number Of Indoor Units	Qty	100	102
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.12-4.30 - 281.8-169.0	7.03-4.24 - 278.2-166.6
Dimensions (HxWxD)	mm	1690 x 5220 x 780	1690 x 5220 x 780
Weight	kg	356 + 356 + 356 + 334	356 + 356 + 356 + 334
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+50+40	(4C+E)& 63+63+63+40
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40
Refrigerant - additional charge R410A	kg	9 + 9 + 9 + 9	9 + 9 + 9 + 9

* Figures given are for OD below/above indoor unit



SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations (Continued)

Outdoor Reference	MMY-	UP9411HT8P-E	UP9611HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2401HT8P-E	MUP2401HT8P-E
Unit 4		MUP2201HT8P-E	MUP2401HT8P-E
System Retail Price		£65,636	£67,144
Rated Cooling capacity	kW	262.5	268.0
Rated Heating capacity	kW	262.5	268.0
Maximum Number Of Indoor Units	Qty	104	106
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.95-4.24 - 275.0-166.6	6.87-4.17 - 271.8-163.8
Dimensions (HxWxD)	mm	1690 x 5220 x 780	1690 x 5220 x 780
Weight	kg	356 + 356 + 356 + 356	356 + 356 + 356 + 356
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E) & 63+63+63+50	(4C+E)& 63+63+63+63
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40
Refrigerant additional charge R410A	kg	9 + 9 + 9 + 9	9 + 9 + 9 + 9

* Figures given are for OD below/above indoor unit

TOSHIBA



SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations (Continued)

Outdoor Reference	MMY-	UP9811HT8P-E	UP10011HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2401HT8P-E	MUP2401HT8P-E
Unit 4		MUP1401HT8P-E	MUP1401HT8P-E
Unit 5		MUP1201HT8P-E	MUP1401HT8P-E
System Retail Price		£71,126	£73,002
Rated Cooling capacity	kW	274.5	281.0
Rated Heating capacity	kW	274.5	281.0
Maximum Number Of Indoor Units	Qty	108	110
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.95-4.31 - 275.0-169.4	6.94-4.30 - 274.6-169.0
Dimensions (HxWxD)	mm	1690 x 5930 x 780	1690 x 5930 x 780
Weight	kg	356 + 356 + 356 + 228 + 228	356 + 356 + 356 + 228 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+63+40+32	(4C+E)& 63+63+63+40+40
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40
Refrigerant additional charge R410A	kg	9 + 9 + 9 + 6 + 6	9 + 9 + 9 + 6 + 6

* Figures given are for OD below/above indoor unit



SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations (Continued)

Outdoor Reference	MMY-	UP10211HT8P-E	UP10411HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2001HT8P-E	MUP2401HT8P-E
Unit 4		MUP2001HT8P-E	MUP2001HT8P-E
Unit 5		MUP1401HT8P-E	MUP1201HT8P-E
System Retail Price		£73,476	£74,095
Rated Cooling capacity	kW	286.0	290.5
Rated Heating capacity	kW	286.0	290.5
Maximum Number Of Indoor Units	Qty	112	114
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.20-4.34 - 285.0-170.6	7.08-4.30 - 280.2-169.0
Dimensions (HxWxD)	mm	1690 x 6230 x 780	1690 x 6230 x 780
Weight	kg	356 + 356 + 334 + 334 + 228	356 + 356 + 356 + 334 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E) & 63+63+40+40+40	(4C+E) & 63+63+63+40+32
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40
Refrigerant additional charge R410A	kg	9 + 9 + 9 + 9 + 6	9 + 9 + 9 + 9 + 6

* Figures given are for OD below/above indoor unit

TOSHIBA



SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations (Continued)

Outdoor Reference	MMY-	UP10611HT8P-E	UP10811HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2401HT8P-E	MUP2401HT8P-E
Unit 4		MUP2001HT8P-E	MUP2401HT8P-E
Unit 5		MUP1401HT8P-E	MUP1201HT8P-E
System Retail Price		£75,971	£76,590
Rated Cooling capacity	kW	297.0	301.5
Rated Heating capacity	kW	297.0	301.5
Maximum Number Of Indoor Units	Qty	116	118
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.04-4.29 - 278.6-168.6	6.93-4.24 - 274.2-166.6
Dimensions (HxWxD)	mm	1690 x 6230 x 780	1690 x 6230 x 780
Weight	kg	356 + 356 + 356 + 334 + 228	356 + 356 + 356 + 356 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+63+40+40	(4C+E)& 63+63+63+63+32
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40
Refrigerant - additional charge R410A	kg	9 + 9 + 9 + 9 + 6	9 + 9 + 9 + 9 + 6

* Figures given are for OD below/above indoor unit



SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations (Continued)

Outdoor Reference	MMY-	UP11011HT8P-E	UP11211HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2401HT8P-E	MUP2401HT8P-E
Unit 4		MUP2401HT8P-E	MUP2001HT8P-E
Unit 5		MUP1401HT8P-E	MUP2001HT8P-E
System Retail Price		£78,466	£78,940
Rated Cooling capacity	kW	308.0	313.0
Rated Heating capacity	kW	308.0	313.0
Maximum Number Of Indoor Units	Qty	120	122
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.90-4.23 - 273.0-166.2	7.13-4.28 - 282.2-168.2
Dimensions (HxWxD)	mm	1690 x 6230 x 780	1690 x 6530 x 780
Weight	kg	356 + 356 + 356 + 356 + 228	356 + 356 + 356 + 334 + 334
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+63+63+40	(4C+E)& 63+63+63+40+40
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40
Refrigerant additional charge R410A	kg	9 + 9 + 9 + 9 + 6	9 + 9 + 9 + 9 + 9

* Figures given are for OD below/above indoor unit

TOSHIBA



SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations (Continued)

Outdoor Reference	MMY-	UP11411HT8P-E	UP11611HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2401HT8P-E	MUP2401HT8P-E
Unit 4		MUP2201HT8P-E	MUP2401HT8P-E
Unit 5		MUP2001HT8P-E	MUP2001HT8P-E
System Retail Price		£79,927	£81,435
Rated Cooling capacity	kW	318.5	324.0
Rated Heating capacity	kW	318.5	324.0
Maximum Number Of Indoor Units	Qty	124	126
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.07-4.28 - 279.8-168.2	7.00-4.22 - 277.0-165.8
Dimensions (HxWxD)	mm	1690 x 6530 x 780	1690 x 6530 x 780
Weight	kg	356 + 356 + 356 + 356 + 334	356 + 356 + 356 + 356 + 334
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+63+50+40	(4C+E)& 63+63+63+63+40
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40
Refrigerant additional charge R410A	kg	9 + 9 + 9 + 9 + 9	9 + 9 + 9 + 9 + 9

* Figures given are for OD below/above indoor unit



SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations (Continued)

Outdoor Reference	MMY-	UP11811HT8P-E	UP12011HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2401HT8P-E	MUP2401HT8P-E
Unit 4		MUP2401HT8P-E	MUP2401HT8P-E
Unit 5		MUP2201HT8P-E	MUP2401HT8P-E
System Retail Price		£82,422	£83,930
Rated Cooling capacity	kW	329.5	335.0
Rated Heating capacity	kW	329.5	335.0
Maximum Number Of Indoor Units	Qty	128	128
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.93-4.23 - 274.2-166.2	6.87-4.17 - 271.8-163.8
Dimensions (HxWxD)	mm	1690 x 6530 x 780	1690 x 6530 x 780
Weight	kg	356 + 356 + 356 + 356 + 356	356 + 356 + 356 + 356 + 356
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+63+63+50	(4C+E)& 63+63+63+63+63
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 70 /40	1200 - 70 /40
Refrigerant - additional charge R410A	kg	9 + 9 + 9 + 9 + 9	9 + 9 + 9 + 9 + 9

* Figures given are for OD below/above indoor unit

TOSHIBA



SHRME - VRF 3-Pipe Heat Recovery

Outdoor unit	MMY-	MAP0806FT8P-UK	MAP1006FT8P-UK	MAP1206FT8P-UK
System Retail Price		£8,067	£8,753	£11,528
Rated Cooling capacity	kW	22.4	28.0	33.5
Rated Heating capacity	kW	22.4	28.0	33.5
Maximum Number Of Indoor Units	Qty	18	22	27
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.07-3.64 - 239.8-142.6	6.03-3.53 - 238.2-137.0	5.94-3.71 - 234.6-143.9
Sound pressure level - C	dB(A)	61	61	62
Dimensions (HxWxD)	mm	1830 x 990 x 780	1830 x 990 x 780	1830 x 1210 x 780
Weight	kg	263	263	316
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 20	380-415/3/50 & 25	380-415/3/50 & 25
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	7/8 - 3/4 - 1/2	7/8 - 3/4 - 1/2	1 1/8 - 3/4 - 1/2
Max pipe length - Max height separation*	m	1000 - 30/70	1000 - 30/70	1000 - 30/70
Refrigerant additional charge R410A	kg	11	11	11

* Figures given are for OD below/above indoor unit



SHRMe - VRF 3-Pipe Heat Recovery (Continued)

Outdoor unit	MMY-	MAP1406FT8P-UK	MAP1606FT8P-UK
System Retail Price		£12,092	£13,275
Rated Cooling capacity	kW	40.0	45.0
Rated Heating capacity	kW	40.0	45.0
Maximum Number Of Indoor Units	Qty	31	36
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.61-3.57 - 221.4-138.5	5.72-3.50 - 225.8-135.8
Sound pressure level - C	dB(A)	64	62
Dimensions (HxWxD)	mm	1830 x 1210 x 780	1830 x 1600 x 780
Weight	kg	316	377
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 32	380-415/3/50 & 40
Power Cable - OD		(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1 1/8 - 7/8 - 5/8	1 1/8 - 7/8 - 3/4
Max pipe length - Max height separation*	m	1000 - 30/70	1000 - 30/70
Refrigerant additional charge R410A	kg	11	11

* Figures given are for OD below/above indoor unit

TOSHIBA



SHRME - VRF 3-Pipe Heat Recovery (Continued)

Outdoor unit	MMY-	MAP1806FT8P-UK	MAP2006FT8P-UK
System Retail Price		£14,187	£15,162
Rated Cooling capacity	kW	50.4	56.0
Rated Heating capacity	kW	50.4	56.0
Maximum Number Of Indoor Units	Qty	40	41
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.89-3.59 - 232.6-139.3	5.64-3.59 - 222.6-139.3
Sound pressure level - C	dB(A)	62	62
Dimensions (HxWxD)	mm	1830 x 1600 x 780	1830 x 1600 x 780
Weight	kg	377	377
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 40	380-415/3/50 & 50
Power Cable - OD		(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1 1/8 - 7/8 - 3/4	1 1/8 - 7/8 - 3/4
Max pipe length - Max height separation*	m	1000 - 30/70	1000 - 30/70
Refrigerant additional charge R410A	kg	11	11

* Figures given are for OD below/above indoor unit



SHRMe - VRF 3-Pipe Heat Recovery - Combinations

Outdoor Reference	MMY-	AP2216FT8P-UK	AP2416FT8P-UK	AP2616FT8P-UK
Unit 1	MMY-	MAP1206FT8P-UK	MAP1406FT8P-UK	MAP1406FT8P-UK
Unit 2	MMY-	MAP1006FT8P-UK	MAP1006FT8P-UK	MAP1206FT8P-UK
System Retail Price		£20,281	£20,845	£23,620
Rated Cooling capacity	kW	61.5	68.0	73.5
Rated Heating capacity	kW	61.5	68.0	73.5
Maximum Number Of Indoor Units	Qty	49	54	58
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.07-3.64 - 239.8-142.6	5.88-3.56 - 232.2-139.4	5.84-3.64 - 230.6-142.6
Sound pressure level - C	dB(A)	65	66	66.5
Dimensions (HxWxD)	mm	1830 x 2220 x 780	1830 x 2220 x 780	1830 x 2440 x 780
Weight	kg	316 + 263	316 + 263	316 + 316
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 25+25	380-415/3/50 & 32+25	380-415/3/50 & 32+25
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1-3/8 - 1-1/8 - 3/4	1-3/8 - 1-1/8 - 3/4	1-3/8 - 1-1/8 - 7/8
Max pipe length - Max height separation*	m	300 - 70/30	300 - 70/30	300 - 70/30
Refrigerant additional charge R410A	kg	11 + 11	11 + 11	11 + 11

* Figures given are for OD below/above indoor unit

TOSHIBA



SHRMe - VRF 3-Pipe Heat Recovery - Combinations (Continued)

Outdoor Reference	MMY-	AP2816FT8P-UK	AP3016FT8P-UK	AP3216FT8P-UK
Unit 1	MMY-	MAP1406FT8P-UK	MAP1606FT8P-UK	MAP1806FT8P-UK
Unit 2	MMY-	MAP1406FT8P-UK	MAP1406FT8P-UK	MAP1406FT8P-UK
System Retail Price		£24,184	£25,367	£26,279
Rated Cooling capacity	kW	80.0	85.0	90.4
Rated Heating capacity	kW	80.0	85.0	90.4
Maximum Number Of Indoor Units	Qty	63	64	64
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.67-3.57 - 223.8-139.8	5.72-3.54 - 225.8-138.6	5.82-3.59 - 229.8-140.6
Sound pressure level - C	dB(A)	67.5	66.5	66.5
Dimensions (HxWxD)	mm	1830 x 2440 x 780	1830 x 2830 x 780	1830 x 2830 x 780
Weight	kg	316 + 316	377 + 316	377 + 316
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 32+32	380-415/3/50 & 40+32	380-415/3/50 & 40+32
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1-3/8 - 1-1/8 - 7/8	1-3/8 - 1-1/8 - 7/8	1-3/8 - 1-1/8 - 7/8
Max pipe length - Max height separation*	m	300 - 70/30	300 - 70/30	300 - 70/30
Refrigerant - additional charge R410A	kg	11 + 11	11 + 11	11 + 11

* Figures given are for OD below/above indoor unit



SHRMe - VRF 3-Pipe Heat Recovery - Combinations (Continued)

Outdoor Reference	MMY-	AP3416FT8P-UK	AP3616FT8P-UK	AP3816FT8P-UK
Unit 1	MMY-	MAP1806FT8P-UK	MAP1806FT8P-UK	MAP2006FT8P-UK
Unit 2	MMY-	MAP1606FT8P-UK	MAP1806FT8P-UK	MAP1806FT8P-UK
System Retail Price		£27,462	£28,374	£29,349
Rated Cooling capacity	kW	95.4	100.8	106.4
Rated Heating capacity	kW	95.4	100.8	106.4
Maximum Number Of Indoor Units	Qty	64	64	64
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.86-3.55 - 231.4-139.0	5.94-3.59 - 234.6-140.6	5.81-3.60 - 229.4-141.0
Sound pressure level - C	dB(A)	65.5	65.5	65.5
Dimensions (HxWxD)	mm	1830 x 3220 x 780	1830 x 3220 x 780	1830 x 3220 x 780
Weight	kg	377 + 377	377 + 377	377 + 377
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 40+40	380-415/3/50 & 40+40	380-415/3/50 & 50+40
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1-3/8 - 1-1/8 - 7/8	1-5/8 - 1-3/8 - 7/8	1-5/8 - 1-3/8 - 7/8
Max pipe length - Max height separation*	m	300 - 70/30	1000 - 70/30	1000 - 70/30
Refrigerant additional charge R410A	kg	11 + 11	11 + 11	11 + 11

* Figures given are for OD below/above indoor unit

TOSHIBA



SHRMe - VRF 3-Pipe Heat Recovery - Combinations (Continued)

Outdoor Reference	MMY-	AP4016FT8P-UK	AP4216FT8P-UK
Unit 1	MMY-	MAP2006FT8P-UK	MAP1406FT8P-UK
Unit 2	MMY-	MAP2006FT8P-UK	MAP1406FT8P-UK
Unit 3			MAP1406FT8P-UK
System Retail Price		£30,324	£36,276
Rated Cooling capacity	kW	112.0	120.0
Rated Heating capacity	kW	112.0	120.0
Maximum Number Of Indoor Units	Qty	64	64
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.68-3.60 - 224.2-141.0	5.67-3.57 - 223.8-139.8
Sound pressure level - C	dB(A)	65.5	69
Dimensions (HxWxD)	mm	1830 x 3220 x 780	1830 x 3670 x 780
Weight	kg	377 + 377	316 + 316 + 316
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 50+50	380-415/3/50 & 32+32+32
Power Cable - OD		(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1-5/8 - 1-3/8 - 7/8	1-5/8 - 1-3/8 - 7/8
Max pipe length - Max height separation*	m	1000 - 70/30	1000 - 70/30
Refrigerant additional charge R410A	kg	11 + 11	11 + 11 + 11

* Figures given are for OD below/above indoor unit



SHRMe - VRF 3-Pipe Heat Recovery - High Efficiency

Outdoor Reference	MMY-	AP1626FT8P-UK	AP1826FT8P-UK	AP2026FT8P-UK
Unit 1	MMY-	MAP0806FT8P-UK	MAP0806FT8P-UK	MAP1006FT8P-UK
Unit 2	MMY-	MAP0806FT8P-UK	MAP1006FT8P-UK	MAP1006FT8P-UK
System Retail Price		£16,134	£16,820	£17,506
Rated Cooling capacity	kW	44.8	50.4	56.0
Rated Heating capacity	kW	44.8	50.4	56.0
Maximum Number Of Indoor Units	Qty	36	40	41
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.19-3.64 - 244.6-142.6	6.16-3.59 - 243.0-140.4	6.13-3.54 - 242.2-138.6
Sound pressure level - C	dB(A)	64	64	64
Dimensions (HxWxD)	mm	1830 x 2000 x 780	1830 x 2000 x 780	1830 x 2000 x 780
Weight	kg	263 + 263	263 + 263	263 + 263
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 20+20	380-415/3/50 & 20+25	380-415/3/50 & 25+25
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1-1/8 - 7/8 - 3/4	1-1/8 - 7/8 - 3/4	1-1/8 - 7/8 - 3/4
Max pipe length - Max height separation*	m	300 - 70/30	300 - 70/30	300 - 70/30
Refrigerant - additional charge R410A	kg	11.0 + 11.0	11.0 + 11.0	11.0 + 11.0

* Figures given are for OD below/above indoor unit

TOSHIBA



SHRMe - VRF 3-Pipe Heat Recovery - High Efficiency (Continued)

Outdoor Reference	MMY-	AP2426FT8P-UK	AP2626FT8P-UK
Unit 1	MMY-	MAP0806FT8P-UK	MAP0806FT8P-UK
Unit 2	MMY-	MAP0806FT8P-UK	MAP0806FT8P-UK
Unit 3		MAP0806FT8P-UK	MAP1006FT8P-UK
System Retail Price		£24,201	£24,887
Rated Cooling capacity	kW	67.2	72.8
Rated Heating capacity	kW	67.2	72.8
Maximum Number Of Indoor Units	Qty	54	58
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.19-3.64 - 244.6-142.6	6.17-3.61 - 243.4-141.0
Sound pressure level - C	dB(A)	64	64
Dimensions (HxWxD)	mm	1830 x 3010 x 780	1830 x 3010 x 780
Weight	kg	263 + 263 + 263	263 + 263 + 263
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 20+20+20	380-415/3/50 & 20+20+25
Power Cable - OD		(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1-3/8 - 1-1/8 - 3/4	1-3/8 - 1-1/8 - 7/8
Max pipe length - Max height separation*	m	300 - 70/30	300 - 70/30
Refrigerant - additional charge R410A	kg	11.0 + 11.0 + 11.0	11.0 + 11.0 + 11.0

* Figures given are for OD below/above indoor unit



SHRMe - VRF 3-Pipe Heat Recovery - High Efficiency (Continued)

Outdoor Reference	MMY-	AP2826FT8P-UK	AP3026FT8P-UK
Unit 1	MMY-	MAP0806FT8P-UK	MAP1006FT8P-UK
Unit 2	MMY-	MAP1006FT8P-UK	MAP1006FT8P-UK
Unit 3		MAP1006FT8P-UK	MAP1006FT8P-UK
System Retail Price		£25,573	£26,259
Rated Cooling capacity	kW	78.4	84.0
Rated Heating capacity	kW	78.4	84.0
Maximum Number Of Indoor Units	Qty	63	64
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.15-3.57 - 242.8-139.6	6.13-3.54 - 242.2-138.6
Sound pressure level - C	dB(A)	64	64
Dimensions (HxWxD)	mm	1830 x 3010 x 780	1830 x 3010 x 780
Weight	kg	263 + 263 + 263	263 + 263 + 263
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 20+25+25	380-415/3/50 & 25+25+25
Power Cable - OD		(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1-3/8 - 1-1/8 - 7/8	1-3/8 - 1-1/8 - 7/8
Max pipe length - Max height separation*	m	300 - 70/30	300 - 70/30
Refrigerant - additional charge R410A	kg	11.0 + 11.0 + 11.0	11 + 11 + 11

* Figures given are for OD below/above indoor unit

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SHRMe - VRF 3-Pipe Heat Recovery - High Efficiency (Continued)

Outdoor Reference	MMY-	AP3626FT8P-UK	AP4226FT8P-UK
Unit 1	MMY-	MAP1206FT8P-UK	MAP1606FT8P-UK
Unit 2	MMY-	MAP1206FT8P-UK	MAP1606FT8P-UK
Unit 3		MAP1206FT8P-UK	MAP1006FT8P-UK
System Retail Price		£34,584	£35,303
Rated Cooling capacity	kW	100.5	118.0
Rated Heating capacity	kW	100.5	118.0
Maximum Number Of Indoor Units	Qty	64	64
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.02-3.71 - 237.8-145.4	5.90-3.52 - 232.4-137.6
Sound pressure level - C	dB(A)	65	64.5
Dimensions (HxWxD)	mm	1830 x 3670 x 780	1830 x 4230 x 780
Weight	kg	316 + 316 + 316	377 + 377 + 263
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 25+25+25	380-415/3/50 & 40+40+25
Power Cable - OD		(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1-5/8 - 1-3/8 - 7/8	1-5/8 - 1-3/8 - 7/8
Max pipe length - Max height separation*	m	1000 - 70/30	1000 - 70/30
Refrigerant - additional charge R410A	kg	11 + 11 + 11	11 + 11 + 11

* Figures given are for OD below/above indoor unit

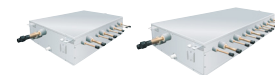


Flow Selector Boxes

Flow Selector Unit	RBM-	Y1123FE	Y1803FE	Y2803FE
Flow Selector Unit Retail Price		£767	£851	£1,334
Height x Width x Depth	mm	190 x 490 x 160	190 x 490 x 160	200 x 640 x 200
Weight	kg	5	5	8
Standard 5 Core Control Cable Max. Length	m	6	6	6
Standard 3 Core Power Cable Max. Length	m	6	6	6
Optional Accessory Combined Control/Power Cable Max. Length	m	15	15	15
Power Supply From Local or Group Indoor Unit	V-ph-Hz	220-240/1/50	220-240/1/50	220-240/1/50

Flow Selector Unit	RBM-	Y1124FE	Y1804FE	Y2804FE
Flow Selector Unit Retail Price		£1,152	£1,278	£2,002
Height x Width x Depth	mm	180 x 425 x 300	180 x 425 x 300	180 x 495 x 350
Weight	kg	11	11	16
Standard 5 Core Control Cable Max. Length	m	-	-	-
Standard 3 Core Power Cable Max. Length	m	-	-	-
Optional Accessory Combined Control/Power Cable Max. Length	m	-	-	-
Power Supply From Local or Group Indoor Unit	V-ph-Hz	220-240/1/50	220-240/1/50	220-240/1/50

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Flow Selector Boxes (Continued)

Multi Flow Selector Unit	RBM-	Y1801F4PE	Y1801F6PE
Flow Selector Unit Retail Price		£2,891	£4,337
Height x Width x Depth	mm	215 x 1157 x 687	215 x 1477 x 687
Weight	kg	38	53
Number of Ports		4	6
Max. Connectible Indoor Units per Port		10	10
Max. Connectible Indoor Units			
Max. Remote Controller per Port Individual Indoor Unit Control		10	10
Max. Remote Controller per Port Group Indoor Unit Control		2	2
Max. Pipe Length from Single Port	m	50	50
Max. Total Pipe Length from All Ports	m	120	180
Max. Height Difference Between Indoor Units	m	±3.0	±3.0
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 5	220/240-1-50- 5

VRF

R32 Outdoor Units

VRF R32 Outdoor Units (Heat Pump & Heat Recovery)	Pages
Mini SMMS - VRF 2-Pipe Heat Pump Outdoor Unit 1ph	210
R32 VRF - SHRM Advanced	211- 213
Flow Selector Boxes	214



TOSHIBA



Mini SMMS - VRF 2-Pipe Heat Pump Outdoor Unit

Outdoor unit - SD	MCY-	MUG0401HSW-E	MUG0501HSW-E	MUG0601HSW-E
Outdoor Unit Retail Price		£4,805	£5,450	£5,870
Rated Cooling capacity	kW	12.1	14.0	15.5
Rated Heating capacity	kW	12.1	14.0	15.5
Maximum Number Of Indoor Units	Qty	8.0	10.0	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	9.98-5.21 - 396.2-205.4	9.21-4.93 - 365.4-194.2	8.80-4.80 - 349.0-189.0
Sound pressure level - C	dB(A)	54	55	56
Dimensions (HxWxD)	mm	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370
Weight	kg	100	100	100
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	220/240-1-50 & 25	220/240-1-50 & 25
Power Cable - OD		(3C+E)	(3C+E)	(3C+E)
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Max pipe length - Max height separation*	m	100 - 20/30	100 - 20/30	100 - 20/30
Refrigerant charge R32	kg	2.4	2.4	2.4

* Figures given are for OD below/above indoor unit



R32 VRF - SHRM Advanced

Outdoor unit	MMY-	SUG0801MT8P-E	SUG1001MT8P-E	SUG1201MT8P-E
Outdoor Unit Retail Price		£8,377	£9,106	£12,056
Rated Cooling capacity	kW	22.4	28.0	33.5
Rated Heating capacity	kW	22.4	28.0	33.5
Maximum Number Of Indoor Units	Qty	18	22	27
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.90-4.44 - 353.0-174.6	8.69-4.67 - 344.6-183.8	8.23-4.62 - 326.2-181.8
Sound pressure level - C	dB(A)	56	58	62
Dimensions (HxWxD)	mm	1690 x 990 x 780	1690 x 990 x 780	1690 x 990 x 780
Weight	kg	232	232	232
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 20	380/415-3-50 & 32	380/415-3-50 & 32
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
2 Pipe Connections (Hot Gas - Liquid)	inch	5/8 - 1/2	3/4 - 1/2	3/4 - 1/2
3 Pipe Connections - (Suction - Hot Gas - Liquid)	inch	3/4 - 5/8 - 1/2	7/8 - 3/4 - 1/2	7/8 - 3/4 - 1/2
Max pipe length - Max height separation*	m	500 - 40/90	500 - 40/90	500 - 40/90
Refrigerant additional charge R32	kg	6.0	6.0	6.0

* Figures given are for OD below/above indoor unit

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**R32 VRF - SHRM Advanced (Continued)**

Outdoor unit	MMY-	SUG1401MT8P-E	SUG1601MT8P-E	SUG1801MT8P-E
Outdoor Unit Retail Price		£12,655	£13,950	£14,919
Rated Cooling capacity	kW	40.0	45.0	50.4
Rated Heating capacity	kW	40.0	45.0	50.4
Maximum Number Of Indoor Units	Qty	31	36	40
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.08-4.30 - 320.2-169.0	8.64-4.65 - 342.6-183.0	8.32-4.49 - 329.8-176.6
Sound pressure level - C	dB(A)	63	64	67
Dimensions (HxWxD)	mm	1690 x 990 x 780	1690 x 1290 x 780	1690 x 1290 x 780
Weight	kg	232	329	329
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 40	380/415-3-50 & 40	380/415-3-50 & 50
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
2 Pipe Connections (Hot Gas - Liquid)	inch	3/4 - 1/2	7/8 - 5/8	7/8 - 5/8
3 Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1 1/8 - 3/4 - 1/2	1 1/8 - 7/8 - 5/8	1 1/8 - 7/8 - 5/8
Max pipe length - Max height separation*	m	500 - 40/90	500 - 40/90	500 - 40/90
Refrigerant additional charge R32	kg	6.0	9.0	9.0

* Figures given are for OD below/above indoor unit



R32 VRF - SHRM Advanced (Continued)

Outdoor unit	MMY-	SUG2001MT8P-E	SUG2201MT8P-E	SUG2401MT8P-E
Outdoor Unit Retail Price		£15,955	£17,064	£18,251
Rated Cooling capacity	kW	56.0	61.5	67.0
Rated Heating capacity	kW	56.0	61.5	67.0
Maximum Number Of Indoor Units	Qty	45	49	54
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.29-4.29 - 328.6-168.6	7.88-4.26 - 312.2-167.4	6.66-4.04 - 263.4-158.6
Sound pressure level - C	dB(A)	67	67	69
Dimensions (HxWxD)	mm	1690 x 1290 x 780	1690 x 1290 x 780	1690 x 1290 x 780
Weight	kg	361	361	361
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 50	380/415-3-50 & 63	380/415-3-50 & 80
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
2 Pipe Connections (Hot Gas - Liquid)	inch	7/8 - 5/8	7/8 - 5/8	7/8 - 5/8
3 Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1 1/8 - 7/8 - 5/8	1 1/8 - 7/8 - 5/8	1 1/8 - 7/8 - 5/8
Max pipe length - Max height separation*	m	500 - 40/90	500 - 40/90	500 - 40/90
Refrigerant additional charge R32	kg	9.0	9.0	9.0

* Figures given are for OD below/above indoor unit

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Flow Selector Boxes

Flow Selector Unit	RBM-	Y1121FUPE	Y1801FUPE	Y2801FUPE
Flow Selector Unit Retail Price		£1,111	£1,233	£1,932
Height x Width x Depth	mm	206 x 385 x 282	206 x 385 x 282	200 x 640 x 200
Weight	kg	11	11	11
Max. Connectible Indoor Units		6	10	16
Equivalent Capacity	hp	<4	4 - <6.4	6.4 <10
Max. Pipe Length from Single Port	m	50	50	50
Power Supply From Local or Group Indoor Unit	V-ph-Hz	220-240/1/50	220-240/1/50	220-240/1/50



Multi Flow Selector Unit	RBM-	Y1801FU4PE	Y1801FU8PE	Y1801FU12PE
Flow Selector Unit Retail Price		£2,891	£4,337	£6,505
Height x Width x Depth	mm	293 x 338 x 468	293 x 578 x 468	293 x 818 x 468
Weight	kg	22	36	50
Number of Ports		4	8	12
Max. Connectible Indoor Units per Port		10	10	10
Max. Connectible Indoor Units		40	80	120
Max. Pipe Length from Single Port	m	50	50	50
Max. Total Pipe Length from All Ports	m	120	180	180
Suggested Power Supply	V-ph-Hz- & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 10

VRF Indoor Units

VRF R410a & R32 Indoor Units	Pages		
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VRF Indoor Units - High wall

Indoor unit	MMK-	UP0031HP-E	UP0051HP-E	UP0071HP-E
Indoor Unit Retail Price		£675	£710	£721
Rated Cooling capacity	kW	0.9	1.7	2.2
Rated Heating capacity	kW	1.3	1.9	2.5
UK Cooling Total/Sensible	kW	0.9/0.7	1.5/1.4	2.0/1.6
UK Heating	kW	0.9	1.3	1.7
Sound pressure level (H/M/L)	dB(A)	33-29-25	33-29-25	35-30-25
Indoor Airflow (H-M-L)	l/s	126 - 103 - 75	126 - 103 - 75	133 - 107 - 75
Dimensions (HxWxD)	mm	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230
Weight	kg	11	11	11
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4



VRF Indoor Units - High wall (Continued)

Indoor unit	MMK-	UP0091HP-E	UP0121HP-E	UP0151HP-E
Indoor Unit Retail Price		£731	£745	£843
Rated Cooling capacity	kW	2.8	3.6	4.5
Rated Heating capacity	kW	3.2	4.0	5.0
UK Cooling Total/Sensible	kW	2.5/1.9	3.3/2.4	4.1/3.0
UK Heating	kW	2.2	2.7	3.4
Sound pressure level (H/M/L)	dB(A)	36-31-25	37-32-25	40-36-32
Indoor Airflow (H-M-L)	l/s	141 - 110 - 75	150 - 114 - 75	233 - 192 - 153
Dimensions (HxWxD)	mm	293 x 798 x 230	293 x 798 x 230	320 x 1050 x 250
Weight	kg	11	11	16
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4

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VRF Indoor Units - High wall (Continued)

Indoor unit	MMK-	UP0181HP-E	UP0241HP-E	UP0271HP-E
Indoor Unit Retail Price		£860	£948	£1,112
Rated Cooling capacity	kW	5.6	7.1	8.0
Rated Heating capacity	kW	6.3	8.0	9.0
UK Cooling Total/Sensible	kW	5.1/3.7	6.4/4.7	7.1/5.6
UK Heating	kW	4.3	5.4	6.1
Sound pressure level (H/M/L)	dB(A)	41-37-32	45-39-33	43-41-39
Indoor Airflow (H-M-L)	l/s	250 - 200 - 153	333 - 250 - 167	333 - 277 - 222
Dimensions (HxWxD)	mm	320 x 1050 x 250	320 x 1050 x 250	348 x 1200 x 280
Weight	kg	16	16	21
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8



VRF Indoor Units - High wall (Continued)

Indoor unit	MMK-	UP0301HP-E	UP0361HP-E
Indoor Unit Retail Price		£1,170	£1,233
Rated Cooling capacity	kW	9.0	11.2
Rated Heating capacity	kW	10.0	12.5
UK Cooling Total/Sensible	kW	8.0/6.3	10.0/7.8
UK Heating	kW	6.8	8.5
Sound pressure level (H/M/L)	dB(A)	48-44-41	50-45-43
Indoor Airflow (H-M-L)	l/s	403 - 361 - 305	458 - 375 - 347
Dimensions (HxWxD)	mm	348 x 1200 x 280	348 x 1200 x 280
Weight	kg	21	21
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8

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VRF Indoor Units - High wall

Indoor unit	MMK-	UP0051DHPL-E	UP0071DHPL-E	UP0091DHPL-E
VRF 2-Pipe Valve Kit	RBM-	PMV0361UP-E	PMV0361UP-E	PMV0361UP-E
Retail Price inc. VRF 2-Pipe Valve Kit		£1,161	£1,177	£1,189
Rated Cooling capacity	kW	1.7	2.2	2.8
Rated Heating capacity	kW	1.9	2.5	3.2
UK Cooling Total/Sensible	kW	1.5/1.4	2.0/1.6	2.5/1.9
UK Heating	kW	1.3	1.7	2.2
Sound pressure level (H/M/L)	dB(A)	33/29/25	35/30/25	36/31/25
Indoor Airflow (H-M-L)	l/s	126 - 103 - 83	133 - 107 - 83	142 - 110 - 83
Dimensions (HxWxD)	mm	300 x 987 x 210	300 x 987 x 210	300 x 987 x 210
Weight	kg	11	11	11
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4



VRF Indoor Units - High wall (Continued)

Indoor unit	MMK-	UP0121DHPL-E	UP0151DHPL-E	UP0181DHPL-E
VRF 2-Pipe Valve Kit	RBM-	PMV0361UP-E	PMV0901UP-E	PMV0901UP-E
Retail Price inc. VRF 2-Pipe Valve Kit		£1,209	£1,358	£1,380
Rated Cooling capacity	kW	3.6	4.5	5.6
Rated Heating capacity	kW	4.0	5.0	6.3
UK Cooling Total/Sensible	kW	3.3/2.4	4.1/3.0	5.1/3.7
UK Heating	kW	2.7	3.4	4.3
Sound pressure level (H/M/L)	dB(A)	37/32/25	40/35/30	45/39/32
Indoor Airflow (H-M-L)	l/s	150 - 114 - 83	161 - 133 - 106	203 - 167 - 117
Dimensions (HxWxD)	mm	300 x 987 x 210	300 x 987 x 210	300 x 987 x 210
Weight	kg	11	11	11
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4

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VRF Indoor Units - Smart Cassette

Indoor unit	MMU-	UP0091H-E	UP0121H-E	UP0151H-E	UP0181H-E
Fascia Panel	RBC-	U41PG(W)-E	U41PG(W)-E	U41PG(W)-E	U41PG(W)-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£1,621	£1,747	£1,913	£1,999
Rated Cooling capacity	kW	2.8	3.6	4.5	5.6
Rated Heating capacity	kW	3.2	4.0	5.0	6.3
UK Cooling Total/Sensible	kW	2.5/2.0	3.3/2.5	4.1/3.0	5.1/3.8
UK Heating	kW	2.2	2.7	3.4	4.3
Sound pressure level (H/M/L)	dB(A)	30-28-26	30-28-26	30-28-26	30-28-26
Indoor Airflow (H-M-L)	l/s	235 - 213 -197	235 - 213 -197	294 - 256 -222	350 - 306 -261
Dimensions (HxWxD) Indoor	mm	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840
Dimensions (HxWxD) Panel	mm	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950
Weight Indoor/Panel	kg	18/5	18/5	25/5	25/5
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4



VRF Indoor Units - Smart Cassette (Continued)

Indoor unit	MMU-	UP0241H-E	UP0271H-E	UP0301H-E	UP0361H-E
Fascia Panel	RBC-	U41PG(W)-E	U41PG(W)-E	U41PG(W)-E	U41PG(W)-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£2,055	£2,088	£2,149	£2,210
Rated Cooling capacity	kW	7.1	8.0	9.0	11.2
Rated Heating capacity	kW	8.0	9.0	10.0	12.5
UK Cooling Total/Sensible	kW	6.4/4.6	7.3/5.2	8.2/5.9	10.2/7.3
UK Heating	kW	5.4	6.1	6.8	8.5
Sound pressure level (H/M/L)	dB(A)	30-28-26	30-28-26	30-28-26	30-28-26
Indoor Airflow (H-M-L)	l/s	439 - 361 -311	492 - 383 -347	539 - 422 -389	607 - 443 -350
Dimensions (HxWxD) Indoor	mm	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
Dimensions (HxWxD) Panel	mm	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950
Weight Indoor/Panel	kg	25/5	25/5	25/5	25/5
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8

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VRF Indoor Units - Smart Cassette (Continued)

Indoor unit	MMU-	UP0481H-E	UP0561H-E
Fascia Panel	RBC-	U41PG(W)-E	U41PG(W)-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£2,321	£2,477
Rated Cooling capacity	kW	14.0	16.0
Rated Heating capacity	kW	16.0	18.0
UK Cooling Total/Sensible	kW	12.7/9.3	14.5/10.4
UK Heating	kW	10.9	12.2
Sound pressure level (H/M/L)	dB(A)	30-28-26	30-28-26
Indoor Airflow (H-M-L)	l/s	628 - 483 -380	628 - 495 -390
Dimensions (HxWxD) Indoor	mm	319 x 840 x 840	319 x 840 x 840
Dimensions (HxWxD) Panel	mm	30 x 950 x 950	30 x 950 x 950
Weight Indoor/Panel	kg	25/5	25/5
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8



VRF Indoor Units - Compact Cassette

Indoor unit	MMU-	UP0051MHP-E	UP0071MHP-E	UP0091MHP-E	UP0121MHP-E
Fascia Panel (White)	RBC-	UM21P-E	UM21P-E	UM21P-E	UM21P-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£1,290	£1,316	£1,394	£1,443
Rated Cooling capacity	kW	1.7	2.2	2.8	3.6
Rated Heating capacity	kW	1.9	2.5	3.2	4.0
UK Cooling Total/Sensible	kW	1.5/1.3	2.0/1.7	2.5/2.1	3.3/2.5
UK Heating	kW	1.3	1.3	1.7	2.2
Sound pressure level (H/M/L)	dB(A)	31-28-26	32-29-26	33-30-26	33-30-27
Indoor Airflow (H-M-L)	l/s	120 - 112 - 102	153 - 128 - 105	158 - 130 - 105	165 - 140 - 112
Dimensions (HxWxD) Indoor	mm	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575
Dimensions (HxWxD) Panel	mm	12x620x620	12x620x620	12x620x620	12x620x620
Weight Indoor/Panel	kg	15/2.5	15/2.5	15/2.5	15/2.5
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4

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VRF Indoor Units - Compact Cassette (Continued)

Indoor unit	MMU-	UP0151MHP-E	UP0181MHP-E
Fascia Panel (White)	RBC-	UM21P-E	UM21P-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£1,504	£1,583
Rated Cooling capacity	kW	4.5	5.6
Rated Heating capacity	kW	5.0	6.3
UK Cooling Total/Sensible	kW	4.1/3.1	5.1/3.9
UK Heating	kW	2.7	3.4
Sound pressure level (H/M/L)	dB(A)	37-33-29	43-38-33
Indoor Airflow (H-M-L)	l/s	183 - 153 - 130	233 - 167 - 145
Dimensions (HxWxD) Indoor	mm	256 x 575 x 575	256 x 575 x 575
Dimensions (HxWxD) Panel	mm	12x620x620	12x620x620
Weight Indoor/Panel	kg	15/2.5	15/2.5
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	1/2 - 1/4



VRF Indoor Units - Standard Cassette

Indoor unit	MMU-	UP0091HP-E	UP0121HP-E	UP0151HP-E	UP0181HP-E
Fascia Panel	RBC-	U33P-E	U33P-E	U33P-E	U33P-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£1,203	£1,231	£1,285	£1,311
Rated Cooling capacity	kW	2.8	3.6	4.5	5.6
Rated Heating capacity	kW	3.2	4.0	5.0	6.3
UK Cooling Total/Sensible	kW	2.5/2.0	3.3/2.5	4.1/3.0	5.1/3.8
UK Heating	kW	2.2	2.7	3.4	4.3
Sound pressure level (H/M/L)	dB(A)	30-29-27	30-29-27	31-29-27	32-29-27
Indoor Airflow (H-M-L)	l/s	222 - 203 - 188	222 - 203 - 188	258 - 230 - 220	292 - 255 - 222
Dimensions (HxWxD) Indoor	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840
Dimensions (HxWxD) Panel	mm	30x950x950	30x950x950	30x950x950	30x950x950
Weight Indoor/Panel	kg	18/4	18/4	20/4	20/4
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4

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VRF Indoor Units - Standard Cassette (Continued)

Indoor unit	MMU-	UP0241HP-E	UP0271HP-E	UP0301HP-E	UP0361HP-E
Fascia Panel	RBC-	U33P-E	U33P-E	U33P-E	U33P-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£1,358	£1,565	£1,688	£1,769
Rated Cooling capacity	kW	7.1	8.0	9.0	11.2
Rated Heating capacity	kW	8.0	9.0	10.0	12.5
UK Cooling Total/Sensible	kW	6.4/4.6	7.3/5.2	8.2/5.9	10.2/7.3
UK Heating	kW	5.4	6.1	6.8	8.5
Sound pressure level (H/M/L)	dB(A)	35-31-28	35-31-28	38-33-30	43-38-32
Indoor Airflow (H-M-L)	l/s	358 - 255 - 222	358 - 255 - 222	367 - 305 - 237	547 - 397 - 297
Dimensions (HxWxD) Indoor	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840
Dimensions (HxWxD) Panel	mm	30x950x950	30x950x950	30x950x950	30x950x950
Weight Indoor/Panel	kg	20/4	20/4	20/4	25/4
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8



VRF Indoor Units - Standard Cassette (Continued)

Indoor unit	MMU-	UP0481HP-E	UP0561HP-E
Fascia Panel	RBC-	U33P-E	U33P-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£1,838	£2,039
Rated Cooling capacity	kW	14.0	16.0
Rated Heating capacity	kW	16.0	18.0
UK Cooling Total/Sensible	kW	12.7/9.3	14.5/10.4
UK Heating	kW	10.9	12.2
Sound pressure level (H/M/L)	dB(A)	46-38-33	46-40-33
Indoor Airflow (H-M-L)	l/s	592 - 397 - 313	592 - 422 - 342
Dimensions (HxWxD) Indoor	mm	319 x 840 x 840	319 x 840 x 840
Dimensions (HxWxD) Panel	mm	30x950x950	30x950x950
Weight Indoor/Panel	kg	25/4	25/4
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8

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VRF Indoor Units - 2-Way Cassette

Indoor unit	MMU-	UP0071WH-E	UP0091WH-E	UP0121WH-E	UP0151WH-E
Fascia Panel	RBC-	UW283PG(W)-E	UW283PG(W)-E	UW283PG(W)-E	UW283PG(W)-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£1,710	£1,756	£1,798	£1,856
Rated Cooling capacity	kW	2.2	2.8	3.6	4.5
Rated Heating capacity	kW	2.5	3.2	4.0	5.0
UK Cooling Total/Sensible	kW	2.0/1.5	2.5/1.9	3.3/2.4	4.1/2.9
UK Heating	kW	1.7	2.2	2.7	3.4
Sound pressure level (H/M/L)	dB(A)	34-32-30	34-32-30	34-32-30	35-33-30
Indoor Airflow (H-M-L)	l/s	155 - 138 - 125	155 - 138 - 125	155 - 138 - 125	167 - 148 - 125
Dimensions (HxWxD) Indoor	mm	295 x 815 x 570	295 x 815 x 570	295 x 815 x 570	295 x 815 x 570
Dimensions (HxWxD) Panel	mm	20x1050x680	20x1050x680	20x1050x680	20x1050x680
Weight Indoor/Panel	kg	18/10	18/10	18/10	18/10
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4



VRF Indoor Units - 2-Way Cassette (Continued)

Indoor unit	MMU-	UP0181WH-E	UP0241WH-E	UP0271WH-E	UP0301WH-E
Fascia Panel	RBC-	UW803PG(W)-E	UW803PG(W)-E	UW803PG(W)-E	UW803PG(W)-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£2,112	£2,214	£2,479	£2,498
Rated Cooling capacity	kW	5.6	7.1	8.0	9.0
Rated Heating capacity	kW	6.3	8.0	9.0	10.0
UK Cooling Total/Sensible	kW	5.1/3.7	6.4/4.6	7.3/5.0	8.2/5.4
UK Heating	kW	4.3	5.4	6.1	6.8
Sound pressure level (H/M/L)	dB(A)	35-33-30	38-35-33	38-35-33	40-37-34
Indoor Airflow (H-M-L)	l/s	250 - 208 - 172	292 - 233 - 205	292 - 233 - 205	350 - 250 - 217
Dimensions (HxWxD) Indoor	mm	345 x 1180 x 570	345 x 1180 x 570	345 x 1180 x 570	345 x 1180 x 570
Dimensions (HxWxD) Panel	mm	20x1415x680	20x1415x680	20x1415x680	20x1415x680
Weight Indoor/Panel	kg	26/14	26/14	26/14	26/14
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8

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VRF Indoor Units - 2-Way Cassette (Continued)

Indoor unit	MMU-	UP0361WH-E	UP0481WH-E	UP0561WH-E
Fascia Panel	RBC-	UW1403PG(W)-E	UW1403PG(W)-E	UW1403PG(W)-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£2,974	£3,212	£3,477
Rated Cooling capacity	kW	11.2	14.0	16.0
Rated Heating capacity	kW	12.5	16.0	18.0
UK Cooling Total/Sensible	kW	10.2/7.3	12.7/8.5	14.5/9.4
UK Heating	kW	8.5	10.9	12.2
Sound pressure level (H/M/L)	dB(A)	42-39-36	43-40-37	46-42-39
Indoor Airflow (H-M-L)	l/s	483 - 398 - 328	500 - 412 - 342	567 - 438 - 367
Dimensions (HxWxD) Indoor	mm	345 x 1600 x 570	345 x 1600 x 570	345 x 1600 x 570
Dimensions (HxWxD) Panel	mm	20x1835x680	20x1835x680	20x1835x680
Weight Indoor/Panel	kg	36/14	36/14	36/14
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8



VRF Indoor Units - 1-Way Cassette

Indoor unit	MMU-	UP0051YHP-E	UP0071YHP-E	UP0091YHP-E
Fascia Panel	RBC-	UY32P-E	UY32P-E	UY32P-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£1,553	£1,590	£1,628
Rated Cooling capacity	kW	1.7	2.2	2.8
Rated Heating capacity	kW	1.9	2.5	3.2
UK Cooling Total/Sensible	kW	1.5/1.4	2.0/1.6	2.5/1.9
UK Heating	kW	1.3	1.7	2.2
Sound pressure level (H/M/L)	dB(A)	37-33-25	38-34-25	39-35-26
Indoor Airflow (H-M-L)	l/s	133 - 102 - 75	150 - 133 - 117	150 - 133 - 117
Dimensions (HxWxD) Indoor	mm	150 x 990 x 450	150 x 990 x 450	150 x 990 x 450
Dimensions (HxWxD) Panel	mm	30x1220x530	30x1220x530	30x1220x530
Weight Indoor/Panel	kg	14/4	14/4	14/4
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4

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VRF Indoor Units - 1-Way Cassette (Continued)

Indoor unit	MMU-	UP0121YHP-E	UP0151YHP-E	UP0181YHP-E
Fascia Panel	RBC-	UY32P-E	UY42P-E	UY42P-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£1,668	£1,824	£2,029
Rated Cooling capacity	kW	3.6	4.5	5.6
Rated Heating capacity	kW	4.0	5.0	6.3
UK Cooling Total/Sensible	kW	3.3/2.4	4.1/2.9	5.1/3.7
UK Heating	kW	2.7	3.4	4.3
Sound pressure level (H/M/L)	dB(A)	40-36-26	39-36-33	40-37-33
Indoor Airflow (H-M-L)	l/s	150 - 133 - 117	208 - 175 - 139	222 - 181 - 139
Dimensions (HxWxD) Indoor	mm	150 x 990 x 450	150 x 1180 x 450	150 x 1180 x 450
Dimensions (HxWxD) Panel	mm	30x1220x530	30x1410x530	30x1410x530
Weight Indoor/Panel	kg	14/4	15/5	15/5
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4



VRF Indoor Units - 1-Way Cassette (Continued)

Indoor unit	MMU-	UP0241YHP-E	UP0271YHP-E
Fascia Panel	RBC-	UY42P-E	UY42P-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£2,133	£2,204
Rated Cooling capacity	kW	7.1	8.0
Rated Heating capacity	kW	8.0	9.0
UK Cooling Total/Sensible	kW	6.4/4.6	7.3/5.0
UK Heating	kW	5.4	9.0
Sound pressure level (H/M/L)	dB(A)	46-42-37	47-44-41
Indoor Airflow (H-M-L)	l/s	261 - 211 - 167	278 - 239 - 200
Dimensions (HxWxD) Indoor	mm	150 x 1180 x 450	150 x 1180 x 450
Dimensions (HxWxD) Panel	mm	30x1410x530	30x1410x530
Weight Indoor/Panel	kg	16/5	16/5
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8

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VRF Indoor Units - Ceiling

Indoor unit	MMC-	UP0151HP-E	UP0181HP-E	UP0241HP-E	UP0271HP-E
Indoor Unit Retail Price		£1,448	£1,601	£1,696	£1,711
Rated Cooling capacity	kW	4.5	5.6	7.1	8.0
Rated Heating capacity	kW	5.0	6.3	8.0	9.0
UK Cooling Total/Sensible	kW	4.1/3.0	5.1/3.7	6.4/4.8	7.3/5.3
UK Heating	kW	3.4	4.3	5.4	6.1
Sound pressure level (H/M/L)	dB(A)	36-34-28	36-34-28	36-34-28	36-34-28
Indoor Airflow (H-M-L)	l/s	233 - 200 - 150	267 - 200 - 150	400 - 283 - 217	400 - 283 - 217
Dimensions (HxWxD) Indoor	mm	235 x 952 x 690	235 x 952 x 690	235 x 1270 x 690	235 x 1270 x 690
Weight Indoor	kg	24	24	30	30
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8



VRF Indoor Units - Ceiling (Continued)

Indoor unit	MMC-	UP0361HP-E	UP0481HP-E	UP0561HP-E
Indoor Unit Retail Price		£1,737	£1,767	£1,891
Rated Cooling capacity	kW	11.2	14.0	16.0
Rated Heating capacity	kW	12.5	16.0	18.0
UK Cooling Total/Sensible	kW	10.2/7.2	12.7/9.3	14.5/9.4
UK Heating	kW	8.5	10.9	12.2
Sound pressure level (H/M/L)	dB(A)	36-34-28	36-34-28	36-34-28
Indoor Airflow (H-M-L)	l/s	517 - 383 - 283	517 - 433 - 333	567 - 467 - 350
Dimensions (HxWxD) Indoor	mm	235 x 1586 x 690	235 x 1586 x 690	235 x 1586 x 690
Weight Indoor	kg	39	39	39
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8

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VRF Indoor Units - Slim Ducted

Indoor unit	MMD-	UP0031SPHY-E	UP0051SPHY-E	UP0071SPHY-E
Indoor Unit Retail Price		£837	£841	£852
Rated Cooling capacity	kW	0.9	1.7	2.2
Rated Heating capacity	kW	1.0	1.9	2.5
UK Cooling Total/Sensible	kW	0.8/0.6	1.5/1.1	2.0/1.6
UK Heating	kW	0.7	1.3	1.7
Sound pressure level, rear suction (H/M/L)	dB(A)	29-27-25	30-28-26	31-29-26
Sound pressure level, bottom suction (H/M//L)	dB(A)	37-35-32	39-37-34	41-39-35
Indoor Airflow (H-M-L)	l/s	114 - 103 - 97	125 - 114 - 106	150 - 128 - 111
Max external static pressure	Pa	50	50	50
Dimensions (HxWxD)	mm	210 x 700 x 450	210 x 700 x 450	210 x 700 x 450
Weight	kg	15	15	15
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4



VRF Indoor Units - Slim Ducted (Continued)

Indoor unit	MMD-	UP0091SPHY-E	UP0121SPHY-E	UP0151SPHY-E
Indoor Unit Retail Price		£869	£893	£908
Rated Cooling capacity	kW	2.8	3.6	4.5
Rated Heating capacity	kW	3.2	4.0	5.0
UK Cooling Total/Sensible	kW	2.5/2.0	3.3/2.5	4.1/2.9
UK Heating	kW	2.2	2.7	3.4
Sound pressure level, rear suction (H/M/L)	dB(A)	32-29-26	33-30-27	33-30-28
Sound pressure level, bottom suction (H/M//L)	dB(A)	42-40-36	44-40-37	42-39-37
Indoor Airflow (H-M-L)	l/s	158 - 139 - 117	167 - 144 - 122	192 - 178 - 153
Max external static pressure	Pa	50	50	50
Dimensions (HxWxD)	mm	210 x 700 x 450	210 x 700 x 450	210 x 900 x 450
Weight	kg	15	15	19
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4

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VRF Indoor Units - Slim Ducted (Continued)

Indoor unit	MMD-	UP0181SPHY-E	UP0241SPHY-E	UP0271SPHY-E
Indoor Unit Retail Price		£954	£1,030	£1,112
Rated Cooling capacity	kW	5.6	7.1	8.0
Rated Heating capacity	kW	6.3	8.0	9.0
UK Cooling Total/Sensible	kW	5.1/3.5	6.4/4.4	7.3/4.9
UK Heating	kW	4.3	5.4	6.1
Sound pressure level, rear suction (H/M/L)	dB(A)	34-32-29	36-33-30	37-34-32
Sound pressure level, bottom suction (H/M//L)	dB(A)	44-42-39	47-44-41	48-45-43
Indoor Airflow (H-M-L)	l/s	217 - 203 - 181	300 - 264 - 239	317 - 272 - 253
Max external static pressure	Pa	50	50	50
Dimensions (HxWxD)	mm	210 x 900 x 450	210 x 1110 x 450	210 x 1110 x 450
Weight	kg	19	22	22
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8



VRF Indoor Units - Ducted

Indoor unit*	MMD-	UP0051BHP-E	UP0071BHP-E	UP0091BHP-E	UP0121BHP-E
Indoor Unit Retail Price		£937	£958	£986	£1,012
Rated Cooling capacity	kW	1.7	2.2	2.8	3.6
Rated Heating capacity	kW	1.9	2.5	3.2	4.0
UK Cooling Total/Sensible	kW	1.5/1.3	2.0/1.7	2.5/2.1	3.2/2.4
UK Heating	kW	1.3	1.7	2.2	2.7
Sound pressure level (H/M/L)	dB(A)	29-26-23	29-26-23	30-26-23	30-26-23
Indoor Airflow (H-M-L)	l/s	150 - 125 - 100	150 - 125 - 100	158 - 133 - 108	158 - 133 - 108
Max external static pressure	Pa	150	150	150	150
Dimensions (HxWxD)	mm	275 x 700 x 750	275 x 700 x 750	275 x 700 x 750	275 x 700 x 750
Weight	kg	23	23	23	23
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4

* Vertical Conversion Kit (RBC-VCK1 - £668-) available as option

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VRF Indoor Units - Ducted (Continued)

Indoor unit*	MMD-	UP0151BHP-E	UP0181BHP-E	UP0241BHP-E	UP0271BHP-E
Indoor Unit Retail Price		£1,042	£1,111	£1,161	£1,288
Rated Cooling capacity	kW	4.5	5.6	7.1	8.0
Rated Heating capacity	kW	5.0	6.3	8.0	9.0
UK Cooling Total/Sensible	kW	4.0/3.3	5.0/3.7	6.3/4.8	7.1/5.4
UK Heating	kW	3.4	4.3	5.4	6.1
Sound pressure level (H/M/L)	dB(A)	33-29-25	33-29-25	33-30-27	33-30-27
Indoor Airflow (H-M-L)	l/s	256 - 183 - 150	256 - 183 - 150	3667 - 303 - 242	3667 - 303 - 242
Max external static pressure	Pa	150	150	150	150
Dimensions (HxWxD)	mm	275 x 700 x 750	275 x 700 x 750	275 x 1000 x 750	275 x 1000 x 750
Weight	kg	23	23	30	30
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8

* Vertical Conversion Kit (RBC-VCK1 - £668-) available as option



VRF Indoor Units - Ducted (Continued)

Indoor unit*	MMD-	UP0301BHP-E	UP0361BHP-E	UP0481BHP-E	UP0561BHP-E
Indoor Unit Retail Price		£1,374	£1,576	£1,687	£1,791
Rated Cooling capacity	kW	9.0	11.2	14.0	16.0
Rated Heating capacity	kW	10.0	12.5	16.0	18.0
UK Cooling Total/Sensible	kW	8.0/6.1	10.0/7.7	12.3/9.2	14.3/10.2
UK Heating	kW	6.8	8.5	10.9	12.2
Sound pressure level (H/M/L)	dB(A)	36-31-27	36-34-31	40-36-33	40-36-33
Indoor Airflow (H-M-L)	l/s	403 - 333 - 267	533 - 450 - 383	653 - 533 - 417	
Max external static pressure	Pa	150	150	150	150
Dimensions (HxWxD)	mm	275 x 1000 x 750	275 x 1400 x 750	275 x 1400 x 750	275 x 1400 x 750
Weight	kg	30	40	40	40
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8

* Vertical Conversion Kit (RBC-VCK1 - £668-) available as option

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VRF Indoor Units - High Static Ducted

Indoor unit	MMD-	UP0181HP-E	UP0241HP-E	UP0271HP-E	UP0361HP-E
Indoor Unit Retail Price		£1,418	£1,563	£1,630	£1,709
Rated Cooling capacity	kW	5.6	7.1	8.0	11.2
Rated Heating capacity	kW	6.3	8.0	9.0	12.5
UK Cooling Total/Sensible	kW	5.1/3.7	6.4/4.9	7.3/5.5	10.2/7.8
UK Heating	kW	4.3	5.4	6.1	8.5
Sound pressure level (H/M/L)	dB(A)	37-33-31	37-33-31	37-33-31	37-33-31
Indoor Airflow (H-M-L)	l/s	306 - 275 - 250	333 - 292 - 267	417 - 375 - 333	533 - 433 - 372
Max external static pressure	Pa	200	200	200	200
Dimensions (HxWxD)	mm	298 x 1000 x 750	298 x 1000 x 750	298 x 1000 x 750	298 x 1400 x 750
Weight	kg	34	34	34	43
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50& 10	220/240-1-50& 10	220/240-1-50& 10	220/240-1-50& 10
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8



VRF Indoor Units - High Static Ducted (Continued)

Indoor unit	MMD-	UP0481HP-E	UP0561HP-E	UP0721HP-E1	UP0961HP-E1
Indoor Unit Retail Price		£1,892	£2,023	£3,414	£3,607
Rated Cooling capacity	kW	14.0	16.0	22.4	28.0
Rated Heating capacity	kW	16.0	18.0	25.0	31.5
UK Cooling Total/Sensible	kW	12.7/9.3	14.5/10.6	20.3/14.1	25.4/17.3
UK Heating	kW	10.9	12.2	17.0	21.4
Sound pressure level (H/M/L)	dB(A)	37-33-31	37-33-31	37-33-31	37-33-31
Indoor Airflow (H-M-L)	l/s	650 - 550 - 471	767 - 650 - 533	1056 - 889 - 694	1333 - 1167 - 972
Max external static pressure	Pa	200	200	250	250
Dimensions (HxWxD)	mm	298 x 1400 x 750	298 x 1400 x 750	448 x 1400 x 900	448 x 1400 x 900
Weight	kg	43	43	97	97
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50& 10	220/240-1-50& 10	220/240-1-50 & 16	220/240-1-50 & 16
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	7/8 - 3/8	7/8 - 1/2

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VRF Indoor Units - Concealed

Indoor unit	MML-	UP0071BH-E	UP0091BH-E	UP0121BH-E	UP0151BH-E
Indoor Unit Retail Price		£1,150	£1,179	£1,213	£1,269
Rated Cooling capacity	kW	2.2	2.8	3.6	4.5
Rated Heating capacity	kW	2.5	3.2	4.0	5.0
UK Cooling Total/Sensible	kW	2.0/1.3	2.5/1.5	3.3/2.1	4.1/2.7
UK Heating	kW	1.7	2.2	2.7	3.4
Sound pressure level (H/M/L)	dB(A)	36-34-32	36-34-32	36-34-32	36-34-32
Indoor Airflow (H-M-L)	l/s	128 - 111 - 83	128 - 111 - 83	128 - 111 - 83	206 - 167 - 136
Max external static pressure	Pa	5	5	5	5
Dimensions (HxWxD)	mm	600 x 745 x 220	600 x 745 x 220	600 x 745 x 220	600 x 1045 x 220
Weight	kg	21	21	21	28
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4



VRF Indoor Units - Concealed (Continued)

Indoor unit	MML-	UP0181BH-E	UP0241BH-E
Indoor Unit Retail Price		£1,350	£1,404
Rated Cooling capacity	kW	5.6	7.1
Rated Heating capacity	kW	6.3	8.0
UK Cooling Total/Sensible	kW	5.1/3.3	6.4/4.2
UK Heating	kW	4.3	5.4
Sound pressure level (H/M/L)	dB(A)	36-34-32	42-37-33
Indoor Airflow (H-M-L)	l/s	206 - 167 - 136	264 - 219 - 178
Max external static pressure	Pa	5	5
Dimensions (HxWxD)	mm	600 x 1045 x 220	600 x 1045 x 220
Weight	kg	28	28
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	5/8 - 3/8

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VRF Indoor Units - Cabinet

Indoor unit	MML-	UP0071H-E	UP0091H-E	UP0121H-E	UP0151H-E
Indoor Unit Retail Price		£1,377	£1,411	£1,446	£1,519
Rated Cooling capacity	kW	2.2	2.8	3.6	4.5
Rated Heating capacity	kW	2.5	3.2	4.0	5.0
UK Cooling Total/Sensible	kW	2.0/1.3	2.5/1.5	3.3/2.1	3.8/2.5
UK Heating	kW	1.7	2.2	2.7	3.4
Sound pressure level (H/M/L)	dB(A)	39-37-35	39-37-35	45-41-38	45-41-38
Indoor Airflow (H-M-L)	l/s	133 - 117 - 100	133 - 117 - 100	250 - 217 - 180	250 - 217 - 180
Dimensions (HxWxD)	mm	630 x 950 x 230	630 x 950 x 230	630 x 950 x 230	630 x 950 x 230
Weight	kg	35	35	35	35
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4



VRF Indoor Units - Cabinet (Continued)

Indoor unit	MML-	UP0181H-E	UP0241H-E
Indoor Unit Retail Price		£1,613	£1,682
Rated Cooling capacity	kW	5.6	7.1
Rated Heating capacity	kW	6.3	8.0
UK Cooling Total/Sensible	kW	5.1/3.3	6.4/4.2
UK Heating	kW	4.3	5.4
Sound pressure level (H/M/L)	dB(A)	49-44-39	49-44-39
Indoor Airflow (H-M-L)	l/s	300 - 267 - 217	300 - 267 - 217
Dimensions (HxWxD)	mm	630 x 950 x 230	630 x 950 x 230
Weight	kg	38	38
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	5/8 - 3/8

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VRF Indoor Units - Bi-Flow

Indoor unit	MML-	UP0071NHP-E	UP0091NHP-E	UP0121NHP-E
Indoor Unit Retail Price		£1,364	£1,470	£1,575
Rated Cooling capacity	kW	2.2	2.8	3.6
Rated Heating capacity	kW	2.5	3.2	4.0
UK Cooling Total/Sensible	kW	2.0/1.6	2.5/1.9	3.3/2.4
UK Heating	kW	1.7	2.2	2.7
Sound pressure level (H/M/L)	dB(A)	38-32-26	38-32-26	38-32-26
Indoor Airflow (H-M-L)	l/s	142 - 102 - 78	142 - 102 - 78	153 - 113 - 90
Dimensions (HxWxD)	mm	600 x 700 x 220	600 x 700 x 220	600 x 700 x 220
Weight	kg	17	17	17
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4



VRF Indoor Units - Bi-Flow (Continued)

Indoor unit	MML-	UP0151NHP-E	UP0181NHP-E
Indoor Unit Retail Price		£1,681	£1,746
Rated Cooling capacity	kW	4.5	5.6
Rated Heating capacity	kW	5.0	6.3
UK Cooling Total/Sensible	kW	4.1/2.9	5.1/3.6
UK Heating	kW	3.4	4.3
Sound pressure level (H/M/L)	dB(A)	38-32-26	38-32-26
Indoor Airflow (H-M-L)	l/s	173 - 130 - 107	202 - 147 - 118
Dimensions (HxWxD)	mm	600 x 700 x 220	600 x 700 x 220
Weight	kg	17	17
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	1/2 - 1/4

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VRF Indoor Units - Floor-Standing

Indoor unit	MML-	UP0151H-E	UP0181H-E	UP0241H-E	UP0271H-E
Indoor Unit Retail Price		£1,961	£2,081	£2,172	£2,235
Rated Cooling capacity	kW	4.5	5.6	7.1	8.0
Rated Heating capacity	kW	5.0	6.3	8.0	9.0
UK Cooling Total/Sensible	kW	4.1/3.2	5.1/3.9	6.4/5.0	7.3/5.6
UK Heating	kW	3.4	4.3	5.4	6.1
Sound pressure level (H/M/L)	dB(A)	46-42-38	46-42-38	46-42-38	46-42-38
Indoor Airflow (H-M-L)	l/s	228 - 194 - 167	228 - 194 - 167	258 - 214 - 178	258 - 214 - 178
Dimensions (HxWxD)	mm	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 210
Weight	kg	46	46	47	47
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	1/2 - 1/4	1/2 - 3/8	1/2 - 3/8

* Indoor unit controller is not included in system price



VRF Indoor Units - Floor-Standing (Continued)

Indoor unit	MML-	UP0361H-E	UP0481H-E	UP0561H-E
Indoor Unit Retail Price		£2,303	£2,418	£2,538
Rated Cooling capacity	kW	11.2	14.0	16.0
Rated Heating capacity	kW	12.5	16.0	18.0
UK Cooling Total/Sensible	kW	10.2/7.6	12.7/9.3	14.5/10.8
UK Heating	kW	8.5	10.9	12.2
Sound pressure level (H/M/L)	dB(A)	46-42-38	46-42-38	46-42-38
Indoor Airflow (H-M-L)	l/s	461 - 394 - 325	489 - 411 - 375	489 - 411 - 375
Dimensions (HxWxD)	mm	1750 x 600 x 390	1750 x 600 x 390	1750 x 600 x 390
Weight	kg	61	61	61
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 3/8	1/2 - 3/8	1/2 - 3/8

* Indoor unit controller is not included in system price

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VRF Indoor Units - Fresh Air Intake

Indoor unit	MML-	UP0481HFP-E	UP0721HFP-E1	UP0961HFP-E1
Indoor Unit Retail Price		£2,550	£4,222	£4,461
Rated Cooling capacity	kW	14.0	22.4	28.0
Rated Heating capacity	kW	8.9	13.9	17.4
UK Cooling Total/Sensible	kW	7.9	12.3	15.3
UK Heating	kW	10.8	16.8	21.0
Sound pressure level (H/M/L)	dB(A)	38-35-31	38-35-31	38-35-31
Indoor Airflow (upper - lower)	l/s	367 - 167	567 - 267	700 - 367
Max external static pressure	Pa	200	200	200
Dimensions (HxWxD)	mm	327 x 1430 x 750	477 x 1430 x 900	477 x 1430 x 900
Weight	kg	44	99	99
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 15	220/240-1-50 & 15
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	7/8 - 1/2	7/8 - 1/2



VRF Indoor Units - Fresh Air Intake (Continued)

Indoor unit	MML-	UP1121HFP-E1	UP1281HFP-E1
Indoor Unit Retail Price		£4,773	£5,108
Rated Cooling capacity	kW	33.5	40.0
Rated Heating capacity	kW	20.8	25.2
UK Cooling Total/Sensible	kW	18.4	22.3
UK Heating	kW	25.2	30.6
Sound pressure level (H/M/L)	dB(A)	38-35-31	38-35-31
Indoor Airflow (upper - lower)	l/s	850 - 417	1000 - 500
Max external static pressure	Pa	200	200
Dimensions (HxWxD)	mm	477 x 1430 x 900	477 x 1430 x 900
Weight	kg	99	99
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 15	220/240-1-50 & 15
Pipe Connections (Gas - Liquid)	inch	7/8 - 1/2	1"1/8 - 5/8

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VRF



VRF Indoor Units - Hot Water Module

Indoor unit	MMW-	UP0271LQ-E	UP0561LQ-E	AP0481CHQ-E
Indoor Unit Retail Price		£3,463	£3,551	£7,628
Rated Cooling capacity	kW	8.0	16.0	14.0
Rated Heating capacity	kW	25.0	27.0	44.0
Water Temperature (up to)	°C	55	55	85
Nominal Flow Rate	l/min	22.9	45.8	40.0
Dimensions (HxWxD)	mm	580 x 400 x 250	580 x 400 x 250	700 x 900 x 320
Weight	kg	17.8	20.3	100
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	Inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8

* Model MMW-AP0481CHQ-E not connectible to SMMS-u or SHRM Advance



RBC-DXC031 Air Handling Unit Applications

Outdoor Unit - VRF SMMS-u	MMY-	MUP0801HT8P-E	MUP1001HT8P-E
Electronic Expansion valve	MM-	DXV281	DXV281
Outdoor Unit Retail Price (Inc. EEV)		£7,726	£8,375
Pipe connections (gas - liquid)	inch	3/4 - 1/2	7/8 - 1/2
Max pipe length - Max Height Difference	m	120-70	120-70
Refrigerant	Type/kg/g	R410A/6	R410A/6
Dimensions (HxWxD)	mm	1690 x 990 x 780	1690 x 990 x 780
Total Weight	kg	228	228
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 20	380/415-3-50 & 25
Control Panel	RBC-	DXC031	DXC031
Control Panel Retail Price		£916	£916
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil
Cooling	kW	22.4	28.0
Heating	kW	25.0	31.5
Air Volume Min - Max	m3/h	3010 - 5160	3500 - 6000
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	6.5	6.5
Suction Superheat (Target)	K	5	5

TOSHIBA



VRF Air Handling Unit Application Single-Circuit DX Coils

System Capacity Or Combination Capacity	HP	4	5	4	5
Control Panel	MM-	DXC010	DXC010	DXC010	DXC010
DXC010 Control Panel Retail Price*		£721	£721	£721	£721
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Wired Controller	RBC-	AMTU31-E	AMTU31-E	AMTU31-E	AMTU31-E
DX Coil Valve Kit Header	MM-	DXV140	DXV140	DXV140	DXV140
DX Coil Valve Kit Price		£338	£338	£338	£338
AHU DX Coil Design (third party supply)		AHU DX COIL	AHU DX COIL	AHU DX COIL	AHU DX COIL
Cooling Capacity	kW	11.2	14.0	11.2	14.0
Heating Capacity	kW	12.5	16.0	12.5	16.0
Air Volume	m3/hr	1280 - 1920	1680 - 2520	1280 - 1920	1680 - 2520
Coil Volume	cm3	1700 - 2300	2125 - 2875	1700 - 2300	2125 - 2875
Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	6.5	6.5	6.5	6.5
Suction Superheat (Target)	K	5	5	5	5
Interface/Valve Retail Price		£1,059	£1,059	£1,059	£1,059

* Control Panel retail price includes controller



VRF Air Handling Unit Application Single-Circuit DX Coils (Continued)

System Capacity Or Combination Capacity	HP	6	4	5	6
Control Panel	MM-	DXC010	DXC010	DXC010	DXC010
DXC010 Control Panel Retail Price*		£721	£721	£721	£721
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Wired Controller	RBC-	AMTU31-E	AMTU31-E	AMTU31-E	AMTU31-E
DX Coil Valve Kit Header	MM-	DXV140	DXV140	DXV140	DXV140
DX Coil Valve Kit Price		£338	£338	£338	£338
AHU DX Coil Design (third party supply)		AHU DX COIL	AHU DX COIL	AHU DX COIL	AHU DX COIL
Cooling Capacity	kW	16.0	11.2	14.0	16.0
Heating Capacity	kW	18.0	12.5	16.0	18.0
Air Volume	m3/hr	1850 - 3740	1280 - 1920	1680 - 2520	1850 - 3740
Coil Volume	cm3	2550 - 3450	1700 - 2300	2125 - 2875	2550 - 3450
Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	6.5	6.5	6.5	6.5
Suction Superheat (Target)	K	5	5	5	5
Interface/Valve Retail Price		£1,059	£1,059	£1,059	£1,059

* Control Panel retail price includes controller

TOSHIBA



VRF Air Handling Unit Application Single-Circuit DX Coils (Continued)

System Capacity Or Combination Capacity	HP	8	10
Control Panel	MM-	DXC010	DXC010
DXC010 Control Panel Retail Price*		£721	£721
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6
Wired Controller	RBC-	AMTU31-E	AMTU31-E
DX Coil Valve Kit Header	MM-	DXV280	DXV280
DX Coil Valve Kit Price		£338	£338
AHU DX Coil Design (third party supply)		AHU DX COIL	AHU DX COIL
Cooling Capacity	kW	22.4	28.0
Heating Capacity	kW	22.4	28.0
Air Volume	m3/hr	2880 - 4320	3360 - 5040
Coil Volume	cm3	3400 - 4600	4250 - 5750
Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	6.5	6.5
Suction Superheat (Target)	K	5	5
Interface/Valve Retail Price		£1,059	£1,059

* Control Panel retail price includes controller



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils

Interface/Valve Retail Price		£1,104	£1,104	£1,104
Dx-coil controller(s)	TCB-IFDMX01UP-E	£646	£646	£646
Dx-Valve kit(s)		£458	£458	£458
Interface/Valve Retail Price		£1,378	£1,378	£1,378
Dx-coil controller	TCB-IFDMR01UP-E	£920	£920	£920
Dx-Valve kit(s)		£458	£458	£458
Outdoor Combinations	HP	8	10	12
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	1	1	1
RBM-A101UPVA-E Dx-Valve kit(s)	No.	1	1	1
RBM-A201UPVA-E Dx-Valve kit(s)	No.	-	-	-
HEX circuit(s) Interlaced, Split face	No.	1	1	1
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	22.4	28.0	33.5
Rated Heating Capacity	kW	22.4	28.0	33.5
Air Volume	m3/hr	2880 - 4320	3360 - 5040	4240 - 6400
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	3400 - 4600	4250 - 5750	5100 - 6900
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications

TOSHIBA



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£1,104	£1,104	£2,208
Dx-coil controller(s)	TCB-IFDMX01UP-E	£646	£646	£1,292
Dx-Valve kit(s)		£458	£458	£916
Interface/Valve Retail Price		£1,378	£1,378	£2,756
Dx-coil controller	TCB-IFDMR01UP-E	£920	£920	£1,840
Dx-Valve kit(s)		£458	£458	£916
Outdoor Combinations	HP	14	16	8+8
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	1	1	2
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	2
RBM-A201UPVA-E Dx-Valve kit(s)	No.	1	1	-
HEX circuit(s) Interlaced, Split face	No.	1	1	2
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	40.0	45.0	44.8
Rated Heating Capacity	kW	40.0	45.0	44.8
Air Volume	m3/hr	4920 - 7420	5760 - 8640	5760 - 8640
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	5950 - 8050	6800 - 9200	6800 - 9200
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£1,104	£2,208	£1,104
Dx-coil controller(s)	TCB-IFDMX01UP-E	£646	£1,292	£646
Dx-Valve kit(s)		£458	£916	£458
Interface/Valve Retail Price		£1,378	£2,756	£1,378
Dx-coil controller	TCB-IFDMR01UP-E	£920	£1,840	£920
Dx-Valve kit(s)		£458	£916	£458
Outdoor Combinations	HP	18	8+10	20
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	1	2	1
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	2	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	1	-	1
HEX circuit(s) Interlaced, Split face	No.	1	2	1
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	50.4	50.4	56.0
Rated Heating Capacity	kW	50.4	50.4	56.0
Air Volume	m3/hr	6240 - 9360	6240 - 9360	6720 - 10080
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	7650 - 10350	7650 - 10350	8500 - 11500
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications

TOSHIBA



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£2,208	£2,208	£1,562
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,292	£1,292	£646
Dx-Valve kit(s)		£916	£916	£916
Interface/Valve Retail Price		£2,756	£2,756	£1,836
Dx-coil controller	TCB-IFDMR01UP-E	£1,840	£1,840	£920
Dx-Valve kit(s)		£916	£916	£916
Outdoor Combinations	HP	10+10	12+10	24
Outdoor Compatibility Control	TA	SMMSu/SHRM _e	SMMSu/SHRM _e	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	2	2	1
RBM-A101UPVA-E Dx-Valve kit(s)	No.	2	2	2
RBM-A201UPVA-E Dx-Valve kit(s)	No.	-	-	-
HEX circuit(s) Interlaced, Split face	No.	2	2	1
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	56.0	61.5	67.0
Rated Heating Capacity	kW	56.0	61.5	67.0
Air Volume	m3/hr	6720 - 10080	7620 - 11490	8290 - 12510
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	8500 - 11500	9350 - 12650	10200 - 13800
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£2,208	£3,312	£3,312
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,292	£1,938	£1,938
Dx-Valve kit(s)		£916	£1,374	£1,374
Interface/Valve Retail Price		£2,756	£4,134	£4,134
Dx-coil controller	TCB-IFDMR01UP-E	£1,840	£2,760	£2,760
Dx-Valve kit(s)		£916	£1,374	£1,374
Outdoor Combinations	HP	12+12	8+8+8	10+8+8
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	2	3	3
RBM-A101UPVA-E Dx-Valve kit(s)	No.	2	-	3
RBM-A201UPVA-E Dx-Valve kit(s)	No.	-	3	-
HEX circuit(s) Interlaced, Split face	No.	2	-	3
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	67.0	67.2	72.8
Rated Heating Capacity	kW	67.0	67.2	72.8
Air Volume	m3/hr	8290 - 12510	8290 - 12510	8970 - 13530
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	10200 - 13800	10200 - 13800	11050 - 14950
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications

TOSHIBA



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£1,562	£2,208	£3,312
Dx-coil controller(s)	TCB-IFDMX01UP-E	£646	£1,292	£1,938
Dx-Valve kit(s)		£916	£916	£1,374
Interface/Valve Retail Price		£1,836	£2,756	£4,134
Dx-coil controller	TCB-IFDMR01UP-E	£920	£1,840	£2,760
Dx-Valve kit(s)		£916	£916	£1,374
Outdoor Combinations	HP	14+14	14+14	10+10+8
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	1	2	3
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	3
RBM-A201UPVA-E Dx-Valve kit(s)	No.	2	2	-
HEX circuit(s) Interlaced, Split face	No.	1	2	3
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	80.0	80.0	72.8
Rated Heating Capacity	kW	80.0	80.0	72.8
Air Volume	m3/hr	9650 - 14550	9650 - 14550	9650 - 14550
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	11900 - 16100	11900 - 16100	11900 - 16100
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£3,312	£1,562	£2,208
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,938	£646	£1,292
Dx-Valve kit(s)		£1,374	£916	£916
Interface/Valve Retail Price		£4,134	£1,836	£2,756
Dx-coil controller	TCB-IFDMR01UP-E	£2,760	£920	£1,840
Dx-Valve kit(s)		£1,374	£916	£916
Outdoor Combinations	HP	10+10+10	16+16	16+16
Outdoor Compatibility Control	TA	SMMSu/SHRM _e	SMMSu/SHRM _e	SMMSu/SHRM _e
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	3	1	2
RBM-A101UPVA-E Dx-Valve kit(s)	No.	3	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	-	2	2
HEX circuit(s) Interlaced, Split face	No.	3	1	2
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	84.0	90.0	90.0
Rated Heating Capacity	kW	84.0	90.0	90.0
Air Volume	m3/hr	10320 - 15570	11520 - 17280	11520 - 17280
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	12750 - 17250	13600 - 18400	13600 - 18400
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications

TOSHIBA



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£2,208	£1,562	£2,208
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,292	£646	£1,292
Dx-Valve kit(s)		£916	£916	£916
Interface/Valve Retail Price		£2,756	£1,836	£2,756
Dx-coil controller	TCB-IFDMR01UP-E	£1,840	£920	£1,840
Dx-Valve kit(s)		£916	£916	£916
Outdoor Combinations	HP	18+16	18+18	18+18
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	2	1	2
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	2	2	2
HEX circuit(s) Interlaced, Split face	No.	2	1	2
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	95.4	100.8	100.8
Rated Heating Capacity	kW	95.4	100.8	100.8
Air Volume	m3/hr	11670 - 17610	12480 - 18720	12480 - 18720
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	14450 - 19550	15300 - 20700	15300 - 20700
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£2,208	£1,562	£2,208
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,292	£646	£1,292
Dx-Valve kit(s)		£916	£916	£916
Interface/Valve Retail Price		£2,756	£1,836	£2,756
Dx-coil controller	TCB-IFDMR01UP-E	£1,840	£920	£1,840
Dx-Valve kit(s)		£916	£916	£916
Outdoor Combinations	HP	18+16	18+18	18+18
Outdoor Compatibility Control	TA	SMMSu/SHRM _e	SMMSu/SHRM _e	SMMSu/SHRM _e
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	2	1	2
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	2	2	2
HEX circuit(s) Interlaced, Split face	No.	2	1	2
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	95.4	100.8	100.8
Rated Heating Capacity	kW	95.4	100.8	100.8
Air Volume	m3/hr	11670 - 17610	12480 - 18720	12480 - 18720
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	14450 - 19550	15300 - 20700	15300 - 20700
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications

TOSHIBA



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£2,208	£1,562	£2,208
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,292	£646	£1,292
Dx-Valve kit(s)		£916	£916	£916
Interface/Valve Retail Price		£2,756	£1,836	£2,756
Dx-coil controller	TCB-IFDMR01UP-E	£1,840	£920	£1,840
Dx-Valve kit(s)		£916	£916	£916
Outdoor Combinations	HP	20+18	20+20	20+20
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	2	1	2
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	2	2	2
HEX circuit(s) Interlaced, Split face	No.	2	1	2
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	106.4	112.0	112.0
Rated Heating Capacity	kW	106.4	112.0	112.0
Air Volume	m3/hr	13030 - 19650	13440 - 21160	13440 - 21160
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	16150 - 21850	17000 - 23000	17000 - 23000
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£3,312	£3,312	£3,312
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,938	£1,938	£1,938
Dx-Valve kit(s)		£1,374	£1,374	£1,374
Interface/Valve Retail Price		£4,134	£4,134	£4,134
Dx-coil controller	TCB-IFDMR01UP-E	£2,760	£2,760	£2,760
Dx-Valve kit(s)		£1,374	£1,374	£1,374
Outdoor Combinations	HP	14+14+14	16+14+14	16+16+14
Outdoor Compatibility Control	TA	SMMSu/SHRMε	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	3	3	3
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	3	3	3
HEX circuit(s) Interlaced, Split face	No.	3	3	3
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	120.0	125.0	130.0
Rated Heating Capacity	kW	120.0	125.0	130.0
Air Volume	m3/hr	14380 - 21690	15050 - 22710	15730 - 23730
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	17850 - 24150	18700 - 25300	19550 - 26450
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications

TOSHIBA



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£3,124	£3,312	£3,312
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,292	£1,938	£1,938
Dx-Valve kit(s)		£1,832	£1,374	£1,374
Interface/Valve Retail Price		£3,672	£4,134	£4,134
Dx-coil controller	TCB-IFDMR01UP-E	£1,840	£2,760	£2,760
Dx-Valve kit(s)		£1,832	£1,374	£1,374
Outdoor Combinations	HP	24+24	16+16+16	18+16+16
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	2	3	3
RBM-A101UPVA-E Dx-Valve kit(s)	No.	4	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	-	3	3
HEX circuit(s) Interlaced, Split face	No.	2	3	3
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	134.0	135.0	140.4
Rated Heating Capacity	kW	134.0	135.0	140.4
Air Volume	m3/hr	16320 - 24480	16320 - 24480	17080 - 25760
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	20400 - 27600	20400 - 27600	21250 - 28750
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£3,312	£3,312	£3,124
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,938	£1,938	£1,292
Dx-Valve kit(s)		£1,374	£1,374	£1,832
Interface/Valve Retail Price		£4,134	£4,134	£3,672
Dx-coil controller	TCB-IFDMR01UP-E	£2,760	£2,760	£1,840
Dx-Valve kit(s)		£1,374	£1,374	£1,832
Outdoor Combinations	HP	18+18+16	18+18+18	14+14+14+14
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	3	3	2
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	3	3	4
HEX circuit(s) Interlaced, Split face	No.	3	3	2
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	145.8	151.2	160.0
Rated Heating Capacity	kW	145.8	151.2	160.0
Air Volume	m3/hr	17760 - 26780	18720 - 28080	19110 - 28820
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	22100 - 29900	22950 - 31050	23800 - 32200
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications

TOSHIBA



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£3,312	£4,416	£3,312
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,938	£2,584	£1,938
Dx-Valve kit(s)		£1,374	£1,832	£1,374
Interface/Valve Retail Price		£4,134	£5,512	£4,134
Dx-coil controller	TCB-IFDMR01UP-E	£2,760	£3,680	£2,760
Dx-Valve kit(s)		£1,374	£1,832	£1,374
Outdoor Combinations	HP	20+18+18	14+14+14+14	20+20+18
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	3	4	3
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	3	4	3
HEX circuit(s) Interlaced, Split face	No.	3	4	3
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	156.8	160.0	162.4
Rated Heating Capacity	kW	156.8	160.0	162.4
Air Volume	m3/hr	19110 - 28820	19110 - 28820	19780 - 29840
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	23800 - 32200	23800 - 32200	24650 - 33350
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£3,312	£4,416	£3,124
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,938	£2,584	£1,292
Dx-Valve kit(s)		£1,374	£1,832	£1,832
Interface/Valve Retail Price		£4,134	£5,512	£3,672
Dx-coil controller	TCB-IFDMR01UP-E	£2,760	£3,680	£1,840
Dx-Valve kit(s)		£1,374	£1,832	£1,832
Outdoor Combinations	HP	20+20+20	16+16+16+14	16+16+16+16
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	3	4	2
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	3	4	4
HEX circuit(s) Interlaced, Split face	No.	3	4	2
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	168.0	175.0	180.0
Rated Heating Capacity	kW	168.0	175.0	180.0
Air Volume	m3/hr	20160 - 30240	21140 - 31880	21810 - 32900
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	25500 - 34500	26350 - 35650	27200 - 36800
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications

TOSHIBA



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£4,416	£4,416	£4,416
Dx-coil controller(s)	TCB-IFDMX01UP-E	£2,584	£2,584	£2,584
Dx-Valve kit(s)		£1,832	£1,832	£1,832
Interface/Valve Retail Price		£5,512	£5,512	£5,512
Dx-coil controller	TCB-IFDMR01UP-E	£3,680	£3,680	£3,680
Dx-Valve kit(s)		£1,832	£1,832	£1,832
Outdoor Combinations	HP	16+16+16+16	18+16+16+16	18+18+16+16
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	4	4	4
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	4	4	4
HEX circuit(s) Interlaced, Split face	No.	4	4	4
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	180.0	185.4	190.8
Rated Heating Capacity	kW	180.0	185.4	190.8
Air Volume	m3/hr	21810 - 32900	22490 - 33920	23160 - 34940
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	27200 - 36800	28050 - 37950	28900 - 39100
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£4,416	£3,124	£4,416
Dx-coil controller(s)	TCB-IFDMX01UP-E	£2,584	£1,292	£2,584
Dx-Valve kit(s)		£1,832	£1,832	£1,832
Interface/Valve Retail Price		£5,512	£3,672	£5,512
Dx-coil controller	TCB-IFDMR01UP-E	£3,680	£1,840	£3,680
Dx-Valve kit(s)		£1,832	£1,832	£1,832
Outdoor Combinations	HP	18+18+18+16	18+18+18+18	18+18+18+18
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	4	2	4
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	4	4	4
HEX circuit(s) Interlaced, Split face	No.	4	2	4
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	196.2	201.6	201.6
Rated Heating Capacity	kW	196.2	201.6	201.6
Air Volume	m3/hr	23840 - 35960	24520 - 36980	24520 - 36980
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	29750 - 40250	30600 - 41400	30600 - 41400
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications

TOSHIBA



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£4,416	£4,416	£4,416
Dx-coil controller(s)	TCB-IFDMX01UP-E	£2,584	£2,584	£2,584
Dx-Valve kit(s)		£1,832	£1,832	£1,832
Interface/Valve Retail Price		£5,512	£5,512	£5,512
Dx-coil controller	TCB-IFDMR01UP-E	£3,680	£3,680	£3,680
Dx-Valve kit(s)		£1,832	£1,832	£1,832
Outdoor Combinations	HP	20+18+18+18	20+20+18+18	20+20+20+18
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	4	4	4
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	4	4	4
HEX circuit(s) Interlaced, Split face	No.	4	4	4
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	207.2	212.8	218.4
Rated Heating Capacity	kW	207.2	212.8	218.4
Air Volume	m3/hr	25190 - 38000	25870 - 39010	26540 - 40030
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	31450 - 42550	32300 - 43700	33150 - 44850
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£3,124	£4,416	£5,520
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,292	£2,584	£3,230
Dx-Valve kit(s)		£1,832	£1,832	£2,290
Interface/Valve Retail Price		£3,672	£5,512	£6,890
Dx-coil controller	TCB-IFDMR01UP-E	£1,840	£3,680	£4,600
Dx-Valve kit(s)		£1,832	£1,832	£2,290
Outdoor Combinations	HP	20+20+20+20	20+20+20+20	18+16+16+ 16+16
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	2	4	5
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	4	4	5
HEX circuit(s) Interlaced, Split face	No.	2	4	5
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	224.0	224.0	230.4
Rated Heating Capacity	kW	224.0	224.0	230.4
Air Volume	m3/hr	27220 - 41050	27220 - 41050	27890 - 42070
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	34000 - 46000 9.52 - 3/8	34000 - 46000 9.52 - 3/8	34850 - 47150 9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications

TOSHIBA



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£4,686	£5,978	£6,624
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,938	£3,230	£3,876
Dx-Valve kit(s)		£2,748	£2,748	£2,748
Interface/Valve Retail Price		£5,508	£7,348	£8,268
Dx-coil controller	TCB-IFDMR01UP-E	£2,760	£4,600	£5,520
Dx-Valve kit(s)		£2,748	£2,748	£2,748
Outdoor Combinations	HP	14+14+14+14+14+14	18+18+16+16+16	14+14+14+14+14+14
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	3	5	6
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	6	6	6
HEX circuit(s) Interlaced, Split face	No.	3	5	6
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	240.0	235.8	240.0
Rated Heating Capacity	kW	240.0	235.8	240.0
Air Volume	m3/hr	28570 - 43090	28570 - 43090	28570 - 43090
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	35700 - 48300	35700 - 48300	35700 - 48300
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£5,520	£5,520	£5,520
Dx-coil controller(s)	TCB-IFDMX01UP-E	£3,230	£3,230	£3,230
Dx-Valve kit(s)		£2,290	£2,290	£2,290
Interface/Valve Retail Price		£6,890	£6,890	£6,890
Dx-coil controller	TCB-IFDMR01UP-E	£4,600	£4,600	£4,600
Dx-Valve kit(s)		£2,290	£2,290	£2,290
Outdoor Combinations	HP	18+18+18+16+16	18+18+18+18+16	18+18+18+18+18
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	5	5	5
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	5	5	5
HEX circuit(s) Interlaced, Split face	No.	5	5	5
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	241.2	246.6	252.0
Rated Heating Capacity	kW	241.2	246.6	252.0
Air Volume	m3/hr	29250 - 44110	29920 - 45130	30600 - 46150
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	36550 - 49450	37400 - 50600	38250 - 51750
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications

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VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£5,520	£5,520	£4,686
Dx-coil controller(s)	TCB-IFDMX01UP-E	£3,230	£3,230	£1,938
Dx-Valve kit(s)		£2,290	£2,290	£2,748
Interface/Valve Retail Price		£6,890	£6,890	£5,508
Dx-coil controller	TCB-IFDMR01UP-E	£4,600	£4,600	£2,760
Dx-Valve kit(s)		£2,290	£2,290	£2,748
Outdoor Combinations	HP	20+18+18+18+18	20+20+18+18+18	16+16+16+16+16+16
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	5	5	3
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	5	5	6
HEX circuit(s) Interlaced, Split face	No.	5	5	3
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	257.6	263.2	270.0
Rated Heating Capacity	kW	257.6	263.2	270.0
Air Volume	m3/hr	31270 - 47170	31950 - 48190	32630 - 49210
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	39100 - 52900	39950 - 54050	40800 - 55200
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£5,520	£6,624	£5,520
Dx-coil controller(s)	TCB-IFDMX01UP-E	£3,230	£3,876	£3,230
Dx-Valve kit(s)		£2,290	£2,748	£2,290
Interface/Valve Retail Price		£6,890	£8,268	£6,890
Dx-coil controller	TCB-IFDMR01UP-E	£4,600	£5,520	£4,600
Dx-Valve kit(s)		£2,290	£2,748	£2,290
Outdoor Combinations	HP	20+20+20+18+18	16+16+16+16+16+16	20+20+20+20+18
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	5	6	5
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	5	6	5
HEX circuit(s) Interlaced, Split face	No.	5	6	5
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	268.8	270.0	274.4
Rated Heating Capacity	kW	268.8	270.0	274.4
Air Volume	m3/hr	32630 - 49210	32630 - 49210	33300 - 50230
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	40800 - 55200	40800 - 55200	41650 - 56350
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications

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VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface /Valve Retail Price		£5,520	£6,624	£6,624
Dx-coil controller(s)	TCB-IFDMX01UP-E	£3,230	£3,876	£3,876
Dx-Valve kit(s)		£2,290	£2,748	£2,748
Interface /Valve Retail Price		£6,890	£8,268	£8,268
Dx-coil controller	TCB-IFDMR01UP-E	£4,600	£5,520	£5,520
Dx-Valve kit(s)		£2,290	£2,748	£2,748
Outdoor Combinations	HP	20+20+20+20+20	18+18+18+16+16+16	18+18+18+18+16+16
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	5	6	6
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	5	6	6
HEX circuit(s) Interlaced, Split face	No.	5	6	6
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	280.0	286.2	291.6
Rated Heating Capacity	kW	280.0	286.2	291.6
Air Volume	m3/hr	33980 - 51250	34650 - 52270	35330 - 53280
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	42500 - 57500	43350 - 58650	44200 - 59800
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£6,624	£4,686	£6,624
Dx-coil controller(s)	TCB-IFDMX01UP-E	£3,876	£1,938	£3,876
Dx-Valve kit(s)		£2,748	£2,748	£2,748
Interface/Valve Retail Price		£8,268	£5,508	£8,268
Dx-coil controller	TCB-IFDMR01UP-E	£5,520	£2,760	£5,520
Dx-Valve kit(s)		£2,748	£2,748	£2,748
Outdoor Combinations	HP	18+18+18+18+18+16	18+18+18+18+18+18	18+18+18+18+18+18
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	6	3	6
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	6	6	6
HEX circuit(s) Interlaced, Split face	No.	6	3	6
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	297.0	302.4	302.4
Rated Heating Capacity	kW	297.0	302.4	302.4
Air Volume	m3/hr	36000 - 54300	36680 - 55320	36680 - 55320
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	45050 - 60950	45900 - 62100	45900 - 62100
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications

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VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface /Valve Retail Price		£6,624	£6,624	£6,624
Dx-coil controller(s)	TCB-IFDMX01UP-E	£3,876	£3,876	£3,876
Dx-Valve kit(s)		£2,748	£2,748	£2,748
Interface /Valve Retail Price		£8,268	£8,268	£8,268
Dx-coil controller	TCB-IFDMR01UP-E	£5,520	£5,520	£5,520
Dx-Valve kit(s)		£2,748	£2,748	£2,748
Outdoor Combinations	HP	20+18+18+18+18+18	20+20+18+18+18+18	20+20+20+18+18+18
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	6	6	6
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	6	6	6
HEX circuit(s) Interlaced, Split face	No.	6	6	6
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	308.0	313.6	319.2
Rated Heating Capacity	kW	308.0	313.6	319.2
Air Volume	m3/hr	37360 - 56340	38030 - 57360	38710 - 58380
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	46750 - 63250	47600 - 64400	48450 - 65550
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications



VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£6,624	£6,624
Dx-coil controller(s)	TCB-IFDMX01UP-E	£3,876	£3,876
Dx-Valve kit(s)		£2,748	£2,748
Interface/Valve Retail Price		£8,268	£8,268
Dx-coil controller	TCB-IFDMR01UP-E	£5,520	£5,520
Dx-Valve kit(s)		£2,748	£2,748
Outdoor Combinations	HP	20+20+20+20+18+18	20+20+20+20+20+18
Outdoor Compatibility Control	TA	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu
Dx-coil controller(s)	No.	6	6
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	6	6
HEX circuit(s) Interlaced, Split face	No.	6	6
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	324.8	330.4
Rated Heating Capacity	kW	324.8	330.4
Air Volume	m3/hr	39380 - 59400	40060 - 60420
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	49300 - 66700	50150 - 67850
		9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications

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VRF Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£4,686	£6,624
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,938	£3,876
Dx-Valve kit(s)		£2,748	£2,748
Interface/Valve Retail Price		£5,508	£8,268
Dx-coil controller	TCB-IFDMR01UP-E	£2,760	£5,520
Dx-Valve kit(s)		£2,748	£2,748
Outdoor Combinations	HP	20+20+20+20+20+20	20+20+20+20+20+20
Outdoor Compatibility Control	TA	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu
Dx-coil controller(s)	No.	3	6
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	6	6
HEX circuit(s) Interlaced, Split face	No.	3	6
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	336.0	336.0
Rated Heating Capacity	kW	336.0	336.0
Air Volume	m3/hr	40740 - 61440	40740 - 61440
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	51000 - 69000	51000 - 69000
		9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6

Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications



VRF Air Curtains - Free Hanging Unit

Free-Hanging Type	RAV-	CT101CH-M	CT101CH-L	CT151CH-M	CT151CH-L
Indoor Unit Retail Price		£6,126	£6,908	£7,742	£8,140
VRF System Interface (factory-fitted)		MMD-ODH1	MMD-ODH1	MMD-ODH1	MMD-ODH1
Interface Retail Price		£1,077	£1,077	£1,077	£1,077
Indoor/Interface Retail Price		£7,203	£7,985	£8,819	£9,217
Capacity Code	HP	3	3	4	4
Capacity - COP	kW	8 - 2.63	8 - 2.77	11.2 - 2.56	11.2 - 2.93
Standard Air Flow	l/s	444	614	667	819
Standard Air Flow	m3/h	1600	2210	2400	2950
Width	mm	1000	1000	1500	1500
Maximum Height	m	3	3.2	3	3.2
Pressure Level M	dB(A)	54	55	55	56
Dimensions (HxWxD)	mm	260 x 1210 x 490	260 x 1210 x 490	260 x 1710 x 490	260 x 1710 x 490
Weight	kg	48	51	77	80
Flare Connection (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 10

*Delivery charges may apply

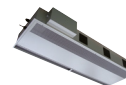
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VRF Air Curtains - Free Hanging Unit (Continued)

Free-Hanging Type	RAV-	CT201CH-M	CT201CH-L	CT251CH-M	CT251CH-L
Indoor Unit Retail Price		£8,870	£10,070	£10,081	£10,549
VRF System Interface (factory-fitted)		MMD-ODH1	MMD-ODH1	MMD-ODH1	MMD-ODH1
Interface Retail Price		£1,077	£1,077	£1,077	£1,077
Indoor/Interface Retail Price		£9,947	£11,147	£11,158	£11,626
Capacity Code	HP	5	5	6	6
Capacity - COP	kW	14 - 2.75	14 - 3.20	16 - 3.27	16 - 3.81
Standard Air Flow	l/s	889	1228	1111	1433
Standard Air Flow	m3/h	3200	4420	4000	5160
Width	mm	2000	2000	2500	2500
Maximum Height	m	3	3.2	3	3.2
Pressure Level M	dB(A)	56	57	57	58
Dimensions (HxWxD)	mm	260 x 2210 x 490	260 x 2210 x 490	260 x 2710 x 490	260 x 2710 x 490
Weight	kg	101	107	132	138
Flare Connection (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 16

*Delivery charges may apply

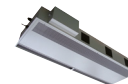


VRF Air Curtains - Cassette Unit

Cassette Type	RAV-	CT101UH-M	CT101UH-L	CT151UH-M	CT151UH-L
Indoor Unit Retail Price		£6,413	£7,360	£7,805	£8,380
VRF System Interface (factory-fitted)		MMD-ODH1	MMD-ODH1	MMD-ODH1	MMD-ODH1
Interface Retail Price		£1,077	£1,077	£1,077	£1,077
Indoor/Interface Retail Price		£7,490	£8,437	£8,882	£9,457
Capacity Code	HP	3	3	4	4
Capacity - COP	kW	8 - 2.63	8 - 2.77	11.2 - 2.56	11.2 - 2.93
Standard Air Flow	l/s	444	614	667	819
Standard Air Flow	m3/h	1600	2210	2400	2950
Width	mm	1000	1000	1500	1500
Maximum Height	m	3	3.2	3	3.2
Pressure Level M	dB(A)	54	55	55	56
Dimensions (HxWxD)	mm	260 x 1050 x 780	260 x 1050 x 780	260 x 1550 x 780	260 x 1550 x 780
Weight	kg	40	43	95	98
Flare Connection (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 10

*Delivery charges may apply

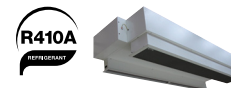
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VRF Air Curtains - Cassette Unit

Cassette Type	RAV-	CT201UH-M	CT201UH-L	CT251UH-M	CT251UH-L
Indoor Unit Retail Price		£8,998	£10,149	£10,155	£11,238
VRF System Interface (factory-fitted)		MMD-ODH1	MMD-ODH1	MMD-ODH1	MMD-ODH1
Interface Retail Price		£1,077	£1,077	£1,077	£1,077
Indoor/Interface Retail Price		£10,075	£11,226	£11,232	£12,315
Capacity Code	HP	5	5	6	6
Capacity - COP	kW	14 - 2.75	14 - 3.20	16 - 3.27	16 - 3.81
Standard Air Flow	l/s	889	1228	1111	1433
Standard Air Flow	m3/h	3200	4420	4000	5160
Width	mm	2000	2000	2500	2500
Maximum Height	m	3	3.2	3	3.2
Pressure Level M	dB(A)	56	57	57	58
Dimensions (HxWxD)	mm	260 x 2050 x 780	260 x 2050 x 780	260 x 2550 x 780	260 x 2550 x 780
Weight	kg	99	105	120	126
Flare Connection (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16

*Delivery charges may apply

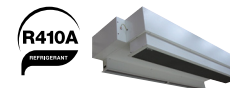


VRF Air Curtains - Built-in Unit

Free-Hanging Type	RAV-	CT101BH-M	CT101BH-L	CT151BH-M
Indoor Unit Retail Price		£7,142	£7,198	£8,594
VRF System Interface (factory-fitted)		MMD-ODH1	MMD-ODH1	MMD-ODH1
Interface Retail Price		£1,077	£1,077	£1,077
Indoor/Interface Retail Price		£8,219	£8,275	£9,671
Capacity Code	HP	3	3	4
Capacity - COP	kW	8 - 2.63	8 - 2.77	11.2 - 2.56
Standard Air Flow	l/s	444	614	667
Standard Air Flow	m3/h	1600	2210	2400
Width	mm	1000	1000	1500
Maximum Height	m	3	3.2	3
Pressure Level M	dB(A)	54	55	55
Dimensions (HxWxD)	mm	405-485 x 1105 x 720	405-485 x 1105 x 720	405-485 x 1605 x 720
Weight	kg	71	74	105
Flare Connection (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 10

*Delivery charges may apply

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VRF Air Curtains - Built-in Unit (Continued)

Free-Hanging Type	RAV-	CT151BH-L	CT201BH-M	CT201BH-L
Indoor Unit Retail Price		£8,989	£9,367	£10,268
VRF System Interface (factory-fitted)		MMD-ODH1	MMD-ODH1	MMD-ODH1
Interface Retail Price		£1,077	£1,077	£1,077
Indoor/Interface Retail Price		£10,066	£10,444	£11,345
Capacity Code	HP	4	5	5
Capacity - COP	kW	11.2 - 2.93	14 - 2.75	14 - 3.20
Standard Air Flow	l/s	819	889	1228
Standard Air Flow	m3/h	2950	3200	4420
Width	mm	1500	2000	2000
Maximum Height	m	3.2	3	3.2
Pressure Level M	dB(A)	56	56	57
Dimensions (HxWxD)	mm	405-485 x 1605 x 720	405-485 x 2105 x 720	405-485 x 2105 x 720
Weight	kg	108	129	135
Flare Connection (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 10

*Delivery charges may apply

VRF Air Curtains - Built-in Unit (Continued)

Free-Hanging Type	RAV-	CT251BH-M	CT251BH-L
Indoor Unit Retail Price		£10,604	£11,587
VRF System Interface (factory-fitted)		MMD-ODH1	MMD-ODH1
Interface Retail Price		£1,077	£1,077
Indoor/Interface Retail Price		£11,681	£12,664
Capacity Code	HP	6	6
Capacity - COP	kW	16 - 3.27	16 - 3.81
Standard Air Flow	l/s	1111	1433
Standard Air Flow	m3/h	4000	5160
Width	mm	2500	2500
Maximum Height	m	3	3.2
Pressure Level M	dB(A)	57	58
Dimensions (HxWxD)	mm	405-485 x 2605 x 720	405-485 x 2605 x 720
Weight	kg	170	176
Flare Connection (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 16

*Delivery charges may apply

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VRF Accessories

VRF Accessories	Model	Description	Price
Wireless Controller/Receiver Kit's			
Wireless Controller/Receiver Kit's	RBC-AX41U(W)-E	Wireless Receiver Kit for 4-Way Cassette	£191
	RBC-AX33UYP-E	Wireless Receiver Kit for 1-Way Cassette	£57
	RBC-AXU31C-E	Wireless Remote Controller Kit - Ceiling	£246
	RBC-AXU31-E	Wireless Remote Controller Kit - Others (Exclude High Static Duct)	£317
	RBC-AXU31U-E	Wireless Receiver Kit for 4-Way Cassette	£225
	RBC-AXU31UM-E	Wireless Receiver Kit for Compact Cassette	£145
	RBC-AXU31UW-E	Wireless Receiver Kit for 2-Way Cassette	£265
	RBC-AXU31UMP-E	Wireless Remote Controller Kit for compact 4way White	£132
	RBC-AXU31UMPB-E	Wireless Remote Controller Kit for compact 4-way Black	£144
	RBC-AXU33UP-E	Wireless Receiver Kit for 4-Way Cassette (Compatible with MMU-UP_1HP-E & RAV-HM_1UTP-E)	£158
	RBC-AXU33UPB-E	Wireless Remote Controller kit (IR receiver + handset), Black colour	£173
Controller Wired			
Controller Wired	RBC-AS41E	Simplified Remote Controller	£106
	RBC-ASCU11-E	Compact Remote Controller	£76
	RBC-ASCU32Y-E	Compact Remote Controller	£76
	RBC-AMT32E	Standard Remote Controller	£80
	RBC-AMTU31-E	Standard Remote Controller	£88
	RBC-AMS41E	Standard Remote Controller C/W 24/7 Schedule Timer	£97
	RBC-AMSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer	£156
	RBC-AWSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer + Bluetooth	£179
	RBC-MTSC1	Mini Touch Screen Controller	£290
	RBC-MTSC2	Mini Touch Screen Controller C/W Schedule Timer	£344
Central Controller Wired			
Central Controller Wired	BMS-CT1280E	Touch Screen Controller	£4,189
	BMS-CT2560U-E	256 Touch Screen Controller (Multi Language)	£4,638
	BMS-CT5121E	Touch Screen Controller	£5,733
	RBC-BP2	Black Pear BMS Controller	£4,573
	RBC-BPB1	Black Pear Controller For BACnet	£4,254
	RBC-BPM1	Black Pear Controller For Modbus	£4,254
	RBC-BPT1	Black Pear Controller For Trend	£4,254

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VRF Accessories

VRF Accessories	Model	Description	Price
Central Controller Wired(Continued)			
Central Controller Wired (Continued)	RBC-TBPUTS	Toshiba Black Pear Touchscreen 64/(128 TU2C link Only) ID Units	£3,500
	RBC-TBPUTSBC	Back box for Smart Touch (RBC-TBPUTS)	£254
	TCB-SC640U-E	64 Central Remote Controller	£1,045
	RBC-II2	Interactive Intelligence (Embedded)	£2,605
Control Panel			
Control Panel	RBC-AC1	Unit Auto Change Over With Temperature High Limit Stat (1 Run/1 Standby)	£1,808
	RBC-AC2	Unit Auto Change Over With Temperature High Limit Stat (2 Run/1 Standby)	£2,105
	RBC-AM1E	Remote Controller	£168
	RBC-EM1-PE	Energy Monitoring Kit	£1,345
Indoor Interface			
Indoor Interface	BMS-IFKX0TLR-E	KNX interface for LC-VRF	£526
	BMS-IFLSV4E	TCS-Net Relay Interface	£994
	BMS-IFMB0TLR-E	Modbus interface for LC-VRF	£440
	BMS-IFMB0UEW-E	MODBUS CONTROLLER FOR ESTIA R32	£496
	BMS-IFMB1280U-E	Modbus Interface	£1,980
	BMS-WB2561PWE	Web Server/Gateway Server Connection Of Up To 256 Indoor Units	£4,101
	MMD-ODH1	VRF Air Curtain Accessory Kit	£1,077
	RBC-AVS2	Averaging Sensors	£196
	RBC-AVS3	Averaging Sensors	£217
	RBC-AVS4	Averaging Sensors	£231
	RBC-SMF1	Enables Control Of External Fans	£65
	RBC-SMIM2	Indicator Module For Unit In Heating Mode, Cooling Mode Or Fan	£96
	RBC-SMIM3	Indicator Module For Stopping Fault And Unit Run	£91
	RBC-SMIM4	Indicator Module For Stopping Fault, Unit Run inc. External Start/Stop & Control Lock	£101
	BMS-IWF001OUCP-E	WI-FI interface for LC & VRF	£198
	RBC-TS11	Monitoring & Control Interface For VRF & DI/SDI	£332
	RBC-TXIO	Input/Output Interface For Third Party Equipment	£405
	RB-I301-E	Leak Detection Sensor Kit	£197

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VRF Accessories

VRF Accessories	Model	Description	Price
Indoor Interface (Continued)			
Indoor Interface (Continued)	TCB-ADCN510UP-E	4-Way Cassette Fascia Panel Adapter	£47
	TCB-IFCB5-PE	Window Switch & Remote ON/OFF	£32
	TCB-PSMT1E	Multi-tenant Kit for VRF Systems	£294
	TCB-PX100-PE	Enclosure For The Window Switch Remote ON/OFF	£23
Indoor Interface Lead			
Indoor Interface Lead	RBC-TAEX1	Extension Sensor TA	£42
	RBC-CBK15FE	15m Long Extension Cable Including	£109
	RBC-CN61CIMC	CN61 5 M Lead	£30
	RBC-FSEX15	15M Extension Cable For FS	£131
	RBC-IT4-PE	Timer For DI/SDI	£156
	RBC-SMCN61	Interface Lead For ON/OFF And Unit Remote Controller Lock	£12
	RBC-SMT1	Timer Interface Lead	£12
	TCB-KBCN32VEE	Connector For CN 32	£201
	TCB-KBCN60OPE	Connector For CN 60	£394
	TCB-KBCN61HAE	Connector For CN 61	£400
	TCB-KBCN70OAE	Connector For CN 70	£196
	TCB-KBCN73DEE	Connector For CN 73	£198
	TCB-KBCN80EXE	Connector For CN 80	£204
Interface			
Interface	BMS-IFDD03E	Digital I/O Relay Interface	£688
	BMS-IFWH5E	Energy Monitoring Relay Interface	£650
	RBC-DI1-PE	Digital Input/Output Module (Di160)	£410
	RBC-IT2-PE	Timer Interface For R407C Equipment	£146
	TCB-DK01SS-E	Dyna Doctor Hardware	£2,145
	TCB-IFCB640TLE	Analog Interface	£2,127
	TCB-IFCG1TLE	General Purpose Interface	£2,127
	TCB-IFLN642TLE	LonWorks Gateway,	£1,626

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VRF Accessories

VRF Accessories	Model	Description	Price
Interface (Continued)			
Interface (Continued)	TCB-PCUC2E	Application Control Kit	£153
	TCB-PX40MUME	Control Box Enclosure For Interface PCB's	£87
Occupancy Sensor			
Occupancy Sensor	TCB-SIR33UP-E	Occupancy Sensor Kit (Compatible with MMU-UP_1HP-E & RAV-HM_1UTP-E)	£90
	TCB-SIR41U-E	Occupancy Sensor (Smart Cassettes)	£104
	TCB-SIR41UM-E	Occupancy Sensor (New 7 Series Compact Cassettes)	£104
	TCB-SIR41UYP-E	Occupancy Sensor (1-Way cassette)	£90
Remote Sensor			
Remote Sensor	TCB-TC41U-E	Remote Sensor	£95
Air Discharge, Filtration & Inlet			
Air Discharge, Filtration & Inlet	RBC-VCK1	Ducted Vertical Conversion Kit	£668
	RBM-FGUS1P-E	Fin Guard Option Kit (08~14HP)	£225
	RBM-FGUM1P-E	Fin Guard Option Kit (16~24HP)	£250
	TCB-BC1602UE	4 Way Cassette Air Discharge Direction Kit (Suit 31PG)	£83
	TCB-FF101URE2	Fresh Air Connection Spigot Kit (New 7 Series Compact Cassettes)	£58
	TCB-FF151US-E	Auxiliary Fresh Air Flange	£70
	TCB-SF160C6BPE	Discharge spigots for LC/VRF Ducted 4.0-6.0 HP	£217
	TCB-SF56C6BPE	Discharge spigots for LC/VRF Ducted 1.5-2.0 HP	£144
	TCB-SF80C6BPE	Discharge spigots for LC/VRF Ducted 3.0 HP	£170
	TCB-TDL0141SDY-E	3D Diffusor Slim Duct	£155
	TCB-TDL0181SDY-E	3D Diffusor Slim Duct	£174
	TCB-TDL0271SDY-E	3D Diffusor Slim Duct	£200
	TCB-EAPC1UHP-E	Air Purifier Kit 4-Way Cassette (Heating RC + PURE Button)	£1,094
	TCB-EAPC1UYHP-E	Air Purifier Kit 1-Way Cassette	£219
	TCB-FC0481DF-E	Filter Chamber (48)	£571
	TCB-FC1281DF-E	Filter Chamber (72-128)	£958
	TCB-FC1403UW-E	Filter Chamber (*0362-0562)	£809
	TCB-FC283UW-E	Filter Chamber (*0072-0152)	£482
	TCB-FC803UW-E	Filter Chamber (*0182-0302)	£690
	TCB-GB1601UE2	Fresh-Air Inlet Box	£79

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VRF Accessories

VRF Accessories	Model	Description	Price
Air Discharge, Filtration & Inlet (Continued)			
Air Discharge, Filtration & Inlet (Continued)	TCB-GB1602UE	Fresh Air Inlet Box	£83
	TCB-GB1602UE2	Fresh Air Inlet Box	£69
	TCB-GFC1601UE2	Fresh-Air & Filter Chamber	£365
	TCB-GFC1602UE2	Fresh Air & Filter Chamber	£181
	TCB-LF1403UW-E	Super Long Life Pre-Filter (*0362-0562)	£601
	TCB-LF283UW-E	Super Long Life Pre-Filter (*0072-0152)	£343
	TCB-LF803UW-E	Super Long Life Pre-Filter (*0182-0302)	£561
	TCB-LK1401D-E	Long Life Filter Kit For MMD-*036_056#HP-E	£94
	TCB-LK2801DP-E	Long Life Filter Kit For MMD-*072_096#HP-E	£144
	TCB-LK801D-E	Long Life Filter Kit For MMD-*018_027#HP-E	£73
	TCB-PLFC1UPE-120	PM2.5 After Pre-filter 4-Way Cassette	£1,635
	TCB-PLFC2UPE-80	PM2.5 Before Pre-filter 4-Way Cassette	£2,078
	TCB-UFH0481D-E	High Efficiency Filter 90% (48)	£566
	TCB-UFH1281D-E	High Efficiency Filter 90% (72-128)	£808
	TCB-UFM0481D-E	High Efficiency Filter 65% (48)	£563
	TCB-UFM1281D-E	High Efficiency Filter 65% (72-128)	£759
	TCB-SP1602UE	4-Way Cassette Spacer Height Adjustment For RBC-U32/U33P-E	£220
Pulse Modulating Valve Kit			
Pulse Modulating Valve Kit	RBM-PMV0361U-E	VRF 2-Pipe Valve Kit (models 3~12)	£237
	RBM-PMV0901U-E	VRF 2-Pipe Valve Kit (models 15~24)	£273
R32 Leak Detection			
R32 Leak Detection	RBM-SV1121HUPE	Shut-off Valve Box Below 11.2kW	£794
	RBM-SV1801HUPE	Shut-off Valve Box 11.2 to Below 18.0kW	£890
	RBM-SV6701HUPE	Shut-off Valve Box 18.0 to 67.0kW or less	£1,588
	TCB-BT1UPE	Battery Kit for Shut-off Valve and Flow Selector Box	£271
	TCB-LD1UPE	Leak Detector for SHRM-a	£286
	RBC-VRFR32AK	EN378 Indoor Unit Interface Kit	£113
	RBC-VRFR32CN80	EN378 FS Box Interface Kit	£288

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VRF Accessories

VRF Accessories	Model	Description	Price
R410a Leak Detection	R410a Leak Detection		
	RBC-RCS1	Room Leak Detection Concentration Sensor With White Faceplate	£488
	RBC-RCS2	Room Leak Detection Concentration Sensor With Stainless Steel Faceplate	£505
	RBC-RD3-PE	Refrigerant - additional charge Leak Detector (Indoor Unit)	£521
	RBC-RD6-PE	Refrigerant - additional charge Leak Detector (Outdoor Unit)	£7,334
	RBC-RI1	Room Indicator For Use With RBC-RP1 (Legrand Graphite) Currently Grey	£94
	RBC-LDCIMC	Leak Detection 15M Lead	£58
	RBC-RP1	Repeater Panel C/W Battery Back Up	£1,683
	RBC-TSRP1	Repeater Panel (for use with RBC-TBPTS)	£786
	TCB-AW17861	Leak Detection, Isolation Valve (12.0 mm - 1/2")	£354
	TCB-AW17862	Leak Detection, Isolation Valve (15.9 mm - 5/8")	£354
	TCB-AW17863	Leak Detection, Isolation Valve (19.0 mm - 3/4")	£385
	TCB-AW17864	Leak Detection, Isolation Valve (22.2mm - 7/8")	£421
	TCB-AW17865	Leak Detection, Isolation Valve (28.6mm - 1,1/8")	£580
	TCB-AW17866	Leak Detection, Isolation Valve (34.9mm - 1,3/8")	£609
	TCB-AW17867	Leak Detection, Isolation Valve (41.3mm - 1,5/8")	£631
	TCB-LD12V	Room Leak Detection Transformer 12v & Cable Kit (use with TCB-LDS1 & TCB-LDS2)	£203
	TCB-LD2	Leak Detection For SMMSe/SHRMe (No Valves)	£1,712
	TCB-LD2UK	Leak Detection For SMMSe/SHRMe (No Valves)	£2,218
	TCB-LDS1	Room Leak Detection With White Faceplate (requires Remote 12v Transformer)	£488
	TCB-LDS1BLK	Room Leak Detection With Black Faceplate (requires Remote 12v Transformer)	£439
	TCB-LDS2	Room Leak Detection With Stainless Steel Faceplate (requires Remote 12v Transformer)	£505
	RBC-TQ31	Room Leak Detector (With CN80 Cable)	£414
	RBC-TQ32-32	Area Alarm Panel - 32 Channels	£2,334
	RBC-TQ32-64	Area Alarm Panel - 64 Channels	£2,651
	RBC-TQ35	Central Alarm Panel (Combine upto 16 Area alarm panels)	£2,016
Outdoor Interface	Outdoor Interface		
	TCB-IFCB-4E2	Remote Location ON/OFF Control Box	£339
	TCB-IFDES1001P-E	Optional sensor (10m lead wire) for new VRF DX-Kit Interface	£120
	TCB-PCDM4E	Power Peak-Cut Control Board (SMMS/SHRM)	£121
	TCB-PCIN4E	Error Output Control Board (SMMS/SHRM)	£132

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VRF Accessories

VRF Accessories	Model	Description	Price
Outdoor Interface (Continued)			
Outdoor Interface (Continued)	TCB-PCMO4E	External Input PCB	£93
	TCB-SS1UU-E	Link Adapter with 8GB MicroSD Card	£2,516
Header Joints			
Header Joints	RBM-HY1043E	4 Way Header 2 Pipe < 14.2	£202
	RBM-HY1083E	8 Way Header 2 Pipe < 14.2	£345
	RBM-HY2043E	4 Way Header 2 Pipe < 14.2-25.2hp	£222
	RBM-HY2083E	8 Way Header 2 Pipe < 14.2-25.2hp	£378
	RBM-HY1043FE	4 Way Header 3 Pipe < 14.2	£265
	RBM-HY1083FE	8 Way Header 3 Pipe < 14.2	£423
	RBM-HY2043FE	4 Way Header 3 Pipe < 14.2-25.2hp	£347
	RBM-HY2083FE	8 Way Header 3 Pipe < 14.2-25.2hp	£430
Branch Joints			
Branch Joints	RBM-BT14E	Y-Connector <26HP (SMMS)	£195
	RBM-BT24E	Y-Connector >26HP (SMMS)	£230
	RBM-BT34E	Y-Connector >46hp	£322
	RBM-BY105E	Y Joint 2 Pipe < 6.4-14.2hp	£81
	RBM-BY205E	Y Joint 2 Pipe < 14.2-25.2hp	£138
	RBM-BY305E	Y Joint 2 Pipe 25.2hp	£213
	RBM-BY405E	Y Joint 2 Pipe 61.2hp	£285
	RBM-BY55E	Y Joint 2 Pipe < 6.4hp	£72
	RBM-BT14FE	Y-Connector <26HP (SHRM)	£176
	RBM-BT24FE	Y-Connector >26HP (SHRM)	£268
	RBM-BY105FE	Y Joint 3 Pipe < 6.4-14.2hp	£129
	RBM-BY205FE	Y Joint 3 Pipe < 14.2-25.2hp	£212
	RBM-BY305FE	Y Joint 3 Pipe 25.2hp	£314
	RBM-BY55FE	Y Joint 3 Pipe < 6.4hp	£100
Condensate			
Condensate	TCB-DP22CE2	Drain Up Kits For DI Ceiling FCU	£278
	TCB-DP31CE	Drain Pump For DI Ceiling	£304
	TCB-DP31HEXE	Drain Pump Kit	£753

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VRF Accessories

VRF Accessories	Model	Description	Price
Condensate (Continued)			
Condensate	TCB-DP40DFP-E	Drain Pump Kit (Lift up to 330 mm)	£444
	TCB-DP40DPE	Drain Pump Kit (MMD-*0726 To 0966HP-E)	£444
	TCB-KP14CPE	Ceiling Suspended Elbow Piping Kit (1.5-2.0hp)	£85
	TCB-KP22CE2	Elbow Piping Kit (*0241-0481)	£107
	TCB-KP24CPE	Ceiling Suspended Elbow Piping Kit (2.5-5.0hp)	£102
Anti-Corrosion Coating			
Anti-Corrosion Coating*	CACC-VRF	VRF Module Unit Coil Anti-Corrosion Coating	£815
	CACC-VRF1	VRF Large Module Unit Coil Anti-Corrosion Coatings	£1,119
	CACC-VRF2	VRF Extra-Large Module Unit Anti-Corrosion Coatings	£1,323
Painted Finish			
Painted Finish*	Paint-Ducted 07-18	Painted Ducted Unit Chassis	£490
	Paint-Ducted 24-30	Painted Ducted Unit Chassis	£559
	Paint-Ducted 36-56	Painted Ducted Unit Chassis	£630
	Paint-High Wall 56-80	Painted High Wall Unit Fascia	£333
	PAINT-U21FP	Painted Compact Cassette Fascia Panel	£317
	PAINT-U31FP	Painted 4-Way Cassette Fascia Panel	£317
Split Case/Sections			
Split Case/Sections	TTS-VRFSD-ML	VRF Strip Down On UK Mainland	£4,712
	TTS-VRFSD-MLF	Full VRF Strip Down On UK Mainland	£7,497
	TTS-VRFSD-OS	VRF Strip Down On Non-UK Mainland	£6,267
	TTS-VRFSD-OSF	Full VRF Strip Down On Non-UK Mainland	£8,857
Site Services			
Site Services**	TTS-HVACC	HVAC Commissioning	TBA
	TTS-HVACM	HVAC Commissioning (additional charge greater than 75 miles journey)	TBA
	TTS-HVACA	HVAC Commissioning (additional charge overnight accommodation)	TBA
	TTS-HVACS	HVAC Site Visit	TBA
	TTS-HVACF	HVAC Fault Finding	TBA
	TTS-VRFSCA	VRF System Commissioning Assistance	TBA

* Additional delivery charges may apply

** Net price subject to terms and conditions

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AIR-TO-AIR
Heat Exchanger

Air-to-Air Heat Exchangers	Pages
Air-to-Air Heat Exchanger Standard Version	305 - 307
Air-to-Air Heat Exchanger + DX Coil	308 - 307
VN Accessories	310 - 311

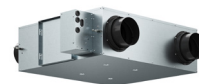




Air-to-Air Heat Exchanger Standard Version

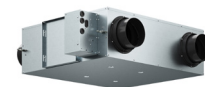
Air-to-Air Heat Exchanger	VN-	U00151SY-E	U00251SY-E	U00351SY-E
Unit Retail Price		£1,353	£1,386	£1,593
Operating Range - Around Unit	°C - %RH	-15 to 50 - ≤ 80	-15 to 50 - ≤ 80	-15 to 50 - ≤ 80
Operating Range - Outdoor Air	°C - %RH	-20 to 52 - ≤ 80	-20 to 52 - ≤ 80	-20 to 52 - ≤ 80
Operating Range - Return Air	°C - %RH	5 to 40 - ≤ 80	5 to 40 - ≤ 80	5 to 40 - ≤ 80
Air Volume, Extra High-High-Medium-Low	m3/h	150-120-90-60	250-200-150-100	350-280-210-140
External Static Pressure Extra High-High-Medium-Low	Pa	90-60-43-25	75-53-30-15	160-100-57-26
Sound Pressure Extra High-High-Medium-Low	dB(A)	28-25-22-20	28-27-24-20	34-31-26-21
Temperature Exchange Efficiency (High Air Flow)	%	83.5	80.5	81.5
Enthalpy Exchange Efficiency (High Air Flow)	%	80.0	76.0	76.0
Dimensions (HxWxD)	mm	278x735x778	278x735x778	305x880x880
Weight	kg	29	29	40
Duct Nominal Diameter Supply/Return	mm	100 x 2/100 x 2	150 x 2/150 x 2	150 x 2/150 x 2
Suggested Power Supply (with Heater Kit)	V-ph-Hz & A	220/240-1-50 & 3 (10)	220/240-1-50 & 3 (10)	220/240-1-50 & 6 (16)

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Air-to-Air Heat Exchanger Standard Version (Continued)

Air-to-Air Heat Exchanger	VN-	U00501SY-E	U00651SY-E
Unit Retail Price		£1,933	£2,151
Operating Range - Around Unit	°C - %RH	-15 to 50 - ≤ 80	-15 to 50 - ≤ 80
Operating Range - Outdoor Air	°C - %RH	-20 to 52 - ≤ 80	-20 to 52 - ≤ 80
Operating Range - Return Air	°C - %RH	5 to 40 - ≤ 80	5 to 40 - ≤ 80
Air Volume, Extra High-High-Medium-Low	m3/h	500-400-300-260	650-520-390-260
External Static Pressure Extra High-High-Medium-Low	Pa	125-80-45-35	150-100-58-28
Sound Pressure Extra High-High-Medium-Low	dB(A)	36-31-27-25	39-35-30-24
Temperature Exchange Efficiency (High Air Flow)	%	79.5	77.5
Enthalpy Exchange Efficiency (High Air Flow)	%	74.0	72.0
Dimensions (HxWxD)	mm	337x1020x920	337x1020x920
Weight	kg	47	47
Duct Nominal Diameter Supply/Return	mm	200 x 2/200 x 2	200 x 2/200 x 2
Suggested Power Supply (with Heater Kit)	V-ph-Hz & A	220/240-1-50 & 6 (16)	220/240-1-50 & 6 (16)



Air-to-Air Heat Exchanger Standard Version (Continued)

Air-to-Air Heat Exchanger	VN-	U00801SY-E	U01001SY-E
Unit Retail Price		£2,566	£2,795
Operating Range - Around Unit	°C - %RH	-15 to 50 - ≤ 80	-15 to 50 - ≤ 80
Operating Range - Outdoor Air	°C - %RH	-20 to 52 - ≤ 80	-20 to 52 - ≤ 80
Operating Range - Return Air	°C - %RH	5 to 40 - ≤ 80	5 to 40 - ≤ 80
Air Volume, Extra High-High-Medium-Low	m3/h	800-640-480-320	1000-800-600-400
External Static Pressure Extra High-High-Medium-Low	Pa	145-92-53-22	170-110-60-30
Sound Pressure Extra High-High-Medium-Low	dB(A)	39-35-30-23	41-38-33-24
Temperature Exchange Efficiency (High Air Flow)	%	79.0	78.5
Enthalpy Exchange Efficiency (High Air Flow)	%	74.0	73.0
Dimensions (HxWxD)	mm	386x1230x1130	386x1230x1130
Weight	kg	63	63
Duct Nominal Diameter Supply/Return	mm	250 x 2/250 x 2	250 x 2/250 x 2
Suggested Power Supply (with Heater Kit)	V-ph-Hz- & A	220/240-1-50- 6 (16)	220/240-1-50- 10 (16)

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Air-to-Air Heat Exchanger + DX Coil

Air-to-Air Heat Exchanger	MMD-	UPV0501HY-E	UPV0801HY-E
Indoor Unit Retail Price		£4,606	£5,594
Cooling Capacity	kW	4.10 (1.30)	6.56 (2.06)
Heating Capacity	kW	5.53 (2.33)	8.61 (3.61)
Combinations*		SMMS-U - SHRM-A - SHRM-E	SMMS-U - SHRM-A - SHRM-E
Operating Range - Around Unit	°C - %RH	-15 to 50 - ≤ 80	-15 to 50 - ≤ 80
Operating Range - Outdoor Air	°C - %RH	-20 to 52 - ≤ 80	-20 to 52 - ≤ 80
Operating Range - Return Air	°C - %RH	5 to 40 - ≤ 80	5 to 40 - ≤ 80
Standard Air Flow, High - Medium - Low	m3/h	500 - 430 - 220	800 - 600 - 350
Air Flow Limit Upper - Lower	m3/h	600 - 330	960 - 480
External Static Pressure Extra High - High - Low	Pa	220 - 170 - 35	220 - 130 - 27
Sound Pressure Extra High - High - Low	dB(A)	39.0 - 37.0 - 24.0	43.0 - 38.5 - 23.0
Filtration Efficiency Grade (Collection Effect Weighing Method)	%	82	82
Dimensions (HxWxD)	mm	386 x 1020 x 1360	386 x 1020 x 1593
Weight	kg	83	105
Duct Nominal Diameter Supply/Return	mm	200 x 2/200 x 2	250 x 2/250 x 2
Flare Connection (gas - liquid)	mm	3/8 - 1/4	1/2 - 1/4
Suggested Power Supply (with Heater Kit)	V-ph-Hz & A	220/240-1-50 & 3 (10)	220/240-1-50 & 3 (10)



Air-to-Air Heat Exchanger + DX Coil (Continued)

Air-to-Air Heat Exchanger	MMD-	UPV1001HY-E
Indoor Unit Retail Price		£6,573
Cooling Capacity	kW	8.25 (2.32)
Heating Capacity	kW	10.92 (4.32)
Combinations*		SMMS-U - SHRM-A - SHRM-E
Operating Range - Around Unit	°C - %RH	-15 to 50 - ≤ 80
Operating Range - Outdoor Air	°C - %RH	-20 to 52 - ≤ 80
Operating Range - Return Air	°C - %RH	5 to 40 - ≤ 80
Standard Air Flow, High - Medium - Low	m3/h	950 - 800 - 430
Air Flow Limit Upper - Lower	m3/h	1140 - 640
External Static Pressure Extra High - High - Low	Pa	185 - 160 - 30
Sound Pressure Extra High - High - Low	dB(A)	43.0 - 42.0 - 25.5
Filtration Efficiency Grade (Collection Effect Weighing Method)	%	82
Dimensions (HxWxD)	mm	386 x 1020 x 1593
Weight	kg	105
Duct Nominal Diameter Supply/Return	mm	250 x 2/250 x 2
Flare Connection (gas - liquid)	mm	1/2 - 1/4
Suggested Power Supply (with Heater Kit)	V-ph-Hz & A	220/240-1-50 & 6 (10)

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VN Accessories

VN Accessories	Model	Description	Price
Controller Wired			
Controller Wired	RBC-AMSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer	£156
	NRC-01HE	Remote Controller	£123
Indoor Interface			
Indoor Interface	NRB-1HE	Remote ON/OFF Adapter A2A Heat Exchanger	£123
Indoor Interface Lead			
Indoor Interface Lead	RBC-VNL1	VN Unit Interface Lead	£65
	TCB-KBCN610V-E	Connector for CN610 (pack of 10 pcs)	£104
	TCB-KBCN610V-E1	Connector for CN610	£10
	TCB-KBCN704V-E	Connector for CN704 (pack of 10 pcs)	£160
	TCB-KBCN704V-E1	Connector for CN704	£16
	TCB-KBCN705V-E	Connector for CN705 (pack of 10 pcs)	£89
	TCB-KBCN705V-E1	Connector for CN705	£9
	TCB-KBCN706V-E	Connector for CN706 (pack of 10 pcs)	£104
	TCB-KBCN706V-E1	Connector for CN706	£10
	TCB-KBCN80EXE	Connector For CN 80 (pack of 10 pcs)	£204
	TCB-KBCN80EX-E1	Connector For CN 80	£20

VN Accessories

VN Accessories	Model	Description	Price
Air Discharge, Filtration & Inlet			
Air Discharge, Filtration & Inlet	TCB-PSFC551VSY-E	High Performance Filter (Epm1 55%) (For VN00151 / 00251SY-E)	£70
	TCB-PSFC551VMY-E	High Performance Filter (Epm1 55%) (For VN00351SY-E)	£80
	TCB-PSFC551VLY-E	High Performance Filter (Epm1 55%) (For VN00501 / 00651SY-E)	£109
	TCB-PSFC551VXY-E	High Performance Filter (Epm1 55%) (For VN00801 / 01001SY-E)	£131
Air to Air Heat Exchanger			
Air to Air Heat Exchanger	TCB-SFMCA1V-E	Multi Function Sensor (CO2/PM)-(Compatible with all Model Sizes)	£632
	RBC-VNMC-HE1	Control For VN-U00151/01001SY-E	£365
	RBC-VNMF1-PE	100mm Heater Kit (For VN-U00151SY-E)	£422
	RBC-VNMF2-PE	150mm Heater Kit (For VN-U00251 / 351SY-E)	£433
	RBC-VNMF3-PE	200mm Heater Kit (For VN-U00501 / 650SY-E)	£488
	RBC-VNMF4-PE	250mm Heater Kit (For VN-U00801 / 01001SY-E)	£500
Air to Air Heat Exchanger*	RBC-VNUWPH01	Weatherproof Housing for VN-U0015/VN-U00251/VN-U00351SY-E	£4,330
	RBC-VNUWPH02	Weatherproof Housing for VN-U0501/VN-U0651SY-E	£4,765
	RBC-VNUWPH03	Weatherproof Housing for VN-U0801/VN-U01001SY-E	£5,215

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