

**TOSHIBA**

EXPERIENCE  
THE FUTURE

# Retail Price List 2024

Effective from 15<sup>th</sup> January 2024 - GBP Edition



# TOSHIBA

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**TOSHIBA**

SEIYA

RAS

**RAS High-Wall Inverter Split System - SEIYA**

Indoor Unit	RAS-	B05E2KVG-E	B07E2KVG-E	B10E2KVG-E	B13E2KVG-E	B16E2KVG-E	B18E2KVG-E	B24E2KVG-E
Indoor Unit Retail Price		£231	£244	£249	£257	£316	£379	£455
Outdoor Unit	RAS-	05E2AVG-E	07E2AVG-E	10E2AVG-E	13E2AVG-E	16E2AVG-E	18E2AVG-E	24E2AVG-E
Outdoor Unit Retail Price		£507	£534	£547	£626	£903	£1,085	£1,303
<b>System Retail Price*</b>		<b>£738</b>	<b>£778</b>	<b>£796</b>	<b>£883</b>	<b>£1,219</b>	<b>£1,464</b>	<b>£1,758</b>
Rated Cooling Capacity	kW	1.5	2.0	2.5	3.3	4.2	5.0	6.5
Rated Heating Capacity	kW	2.0	2.5	3.2	3.6	5.0	5.4	7.0
SEER - SCOP		6.90 - 4.60	6.90 - 4.60	7.00 - 4.60	7.00 - 4.60	7.00 - 4.60	7.00 - 4.40	6.90 - 4.30
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	293 x 798 x 230	293 x 798 x 230	320 x 1050 x 250
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	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Weight ID - OD	kg	9 - 21	9 - 21	9 - 22	9 - 22	9 - 30	9 - 34	15 - 38
Suggested Power Supply & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 10 (3C+E)	220/240-1-50 10 (3C+E)	220/240-1-50 10 (3C+E)	220/240-1-50 10 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)
Flare connections (gas-liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Height	m	2/15 - 12	2/15 - 12	2/15 - 12	2/15 - 12	2/20 - 12	2/20 - 12	2/20 - 12
Chargeless Pipe Length	m	15	15	15	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	R32/0.68/20	R32/0.93/20	R32/1.18/20

\* Standard wireless remote controller included in system price

**TOSHIBA**SHORAI  
EDGE

RAS

**RAS High-Wall Inverter Split System - SHORAI Edge Black**

Indoor Unit (Black)	RAS-	B10G3KVSGB-E	B13G3KVSGB-E	B16G3KVSGB-E	B18G3KVSGB-E	B22G3KVSGB-E	B24G3KVSGB-E
Indoor Unit Retail Price	Black	£518	£561	£624	£711	£746	£832
Outdoor Unit	RAS-	10J2AVSG-E1	13J2AVSG-E1	16J2AVSG-E1	18J2AVSG-E1	22J2AVSG-E1	24J2AVSG-E1
Outdoor Unit Retail Price	Black	£767	£952	£1,164	£1,290	£1,425	£1,650
<b>System Retail Price*</b>		<b>£1,285</b>	<b>£1,513</b>	<b>£1,788</b>	<b>£2,001</b>	<b>£2,171</b>	<b>£2,482</b>
Rated Cooling Capacity	kW	2.5	3.5	4.6	5.0	6.1	7.0
Rated Heating Capacity	kW	3.2	4.2	5.5	6.0	7.0	8.0
SEER - SCOP		8.60 - 5.10	8.60 - 5.10	7.80 - 4.60	7.30 - 4.60	7.30 - 4.60	6.30 - 4.10
Dimensions (H x W x D) - ID	mm	293 x 800 x 226	293 x 800 x 226	293 x 800 x 226	320 x 1053 x 245	320 x 1053 x 245	320 x 1053 x 245
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	550 x 780 x 290	630 x 800 x 300
Weight ID - OD	kg	10 - 26	10 - 30	10 - 33	14 - 34	14 - 34	14 - 42
Suggested Power Supply & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 10 (3C+E)	220/240-1-50 10 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)
Flare connections (gas-liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4	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	2/20 - 12	2/20 - 12	2/25 - 15
Chargeless Pipe Length	m	15	15	15	15	15	15
Refrigerant - Additional Charge	Type/kg/g	R32/0.55/20	R32/0.80/20	R32/0.80/20	R32/1.10/20	R32/1.10/20	R32/1.14/20

\* Standard wireless remote controller included in system price



**TOSHIBA**SHORAI  
EDGE

RAS

**RAS High-Wall Inverter Split System - SHORAI Edge White**

Indoor Unit (White)	RAS-	B10G3KVSG-E	B13G3KVSG-E	B16G3KVSG-E	B18G3KVSG-E	B22G3KVSG-E	B24G3KVSG-E
Indoor Unit Retail Price	White	£460	£491	£543	£625	£653	£722
Outdoor Unit	RAS-	10J2AVSG-E1	13J2AVSG-E1	16J2AVSG-E1	18J2AVSG-E1	22J2AVSG-E1	24J2AVSG-E1
Outdoor Unit Retail Price	White	£767	£952	£1,164	£1,290	£1,425	£1,650
<b>System Retail Price*</b>		<b>£1,227</b>	<b>£1,443</b>	<b>£1,707</b>	<b>£1,915</b>	<b>£2,078</b>	<b>£2,372</b>
Rated Cooling Capacity	kW	2.5	3.5	4.6	5.0	6.1	7.0
Rated Heating Capacity	kW	3.2	4.2	5.5	6.0	7.0	8.0
SEER - SCOP		8.60 - 5.10	8.60 - 5.10	7.80 - 4.60	7.30 - 4.60	7.30 - 4.60	6.30 - 4.10
Dimensions (H x W x D) - ID	mm	293 x 800 x 226	293 x 800 x 226	293 x 800 x 226	320 x 1053 x 245	320 x 1053 x 245	320 x 1053 x 245
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	550 x 780 x 290	630 x 800 x 300
Weight ID - OD	kg	10 - 26	10 - 30	10 - 33	14 - 34	14 - 34	14 - 42
Suggested Power Supply & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 10 (3C+E)	220/240-1-50 10 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)
Flare connections (gas-liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4	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	2/20 - 12	2/20 - 12	2/25 - 15
Chargeless Pipe Length	m	15	15	15	15	15	15
Refrigerant - Additional Charge	Type/kg/g	R32/0.55/20	R32/0.80/20	R32/0.80/20	R32/1.10/20	R32/1.10/20	R32/1.14/20

\* Standard wireless remote controller included in system price

# TOSHIBA

## HAORI

### RAS



### RAS High-Wall Inverter Split System - HAORI

Indoor Unit	RAS-	B10N4KVRG-E	B13N4KVRG-E	B16N4KVRG-E
Indoor Unit Retail Price		£600	£656	£737
Outdoor Unit	RAS-	10J2AVSG-E1	13J2AVSG-E1	16J2AVSG-E1
Outdoor Unit Retail Price		£767	£952	£1,164
<b>System Retail Price*</b>		<b>£1,367</b>	<b>£1,608</b>	<b>£1,901</b>
Rated Cooling Capacity	kW	2.5	3.5	4.6
Rated Heating Capacity	kW	3.2	4.2	5.5
SEER - SCOP		8.60 - 5.10	8.70 - 5.10	7.80 - 4.60
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
Weight ID - OD	kg	11 - 26	11 - 30	12 - 33
Suggested Power Supply & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 10 (3C+E)	220/240-1-50 10 (3C+E)	220/240-1-50 16 (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



**TOSHIBA****DAISEIKAI****RAS****RAS High-Wall Inverter Split System - DAISEIKAI 9**

Indoor Unit	RAS-	10PKVPG-E	13PKVPG-E	16PKVPG-E
Indoor Unit Retail Price		£588	£604	£630
Outdoor Unit	RAS-	10PAVPG-E	13PAVPG-E	16PAVPG-E
Outdoor Unit Retail Price		£1,350	£1,434	£1,831
<b>System Retail Price*</b>		<b>£1,938</b>	<b>£2,038</b>	<b>£2,461</b>
Rated Cooling Capacity	kW	2.5	3.5	4.5
Rated Heating Capacity	kW	3.2	4.0	5.5
SEER - SCOP		10.60 - 5.20	9.50 - 5.10	8.50 - 4.60
Dimensions (H x W x D) - ID	mm	293 x 851 x 270	293 x 851 x 270	293 x 851 x 270
Dimensions (H x W x D) - OD	mm	630 x 800 x 300	630 x 800 x 300	630 x 800 x 300
Weight ID - OD	kg	14 - 38	14 - 38	14 - 38
Suggested Power Supply & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 10 (3C+E)	220/240-1-50 10 (3C+E)	220/240-1-50 16 (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 - 10	2/25 - 10	2/25 - 10
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



# TOSHIBA

# DAISEIKAI

## RAS



### RAS High-Wall Inverter Split System - DAISEIKAI 10 White

\*Anticipated availability : April 2024

Indoor Unit	RAS-	B10S4KVPGE	B13S4KVPGE	B18S4KVPGE
Indoor Unit Retail Price		£775	£800	£847
Outdoor Unit	RAS-	10S4AVPGE	13S4AVPGE	18S4AVPGE
Outdoor Unit Retail Price		£1,361	£1,444	£1,864
System Retail Price*		£2,136	£2,244	£2,711
Rated Cooling Capacity	kW	2.5	3.5	5.0
Rated Heating Capacity	kW	3.2	4.0	6.0
SEER - SCOP		10.70 - 5.30	9.70 - 5.20	8.60 - 4.80
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
Weight ID - OD	kg	14 - 38	14 - 38	14 - 38
Suggested Power Supply & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 10 (3C+E)	220/240-1-50 10 (3C+E)	220/240-1-50 16 (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



**TOSHIBA****DAISEIKAI****RAS****RAS High-Wall Inverter Split System - DAISEIKAI 10 Wood****\*Anticipated availability : April 2024**

Indoor Unit	RAS-	B10S4KVDG-E	B13S4KVDG-E	B18S4KVDG-E
Indoor Unit Retail Price		£978	£1,013	£1,105
Outdoor Unit	RAS-	10S4AVPG-E	13S4AVPG-E	18S4AVPG-E
Outdoor Unit Retail Price		£1,361	£1,444	£1,864
<b>System Retail Price*</b>		<b>£2,339</b>	<b>£2,457</b>	<b>£2,969</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>2.5</b>	<b>3.5</b>	<b>5.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>3.2</b>	<b>4.0</b>	<b>6.0</b>
SEER - SCOP		10.70 - 5.30	9.70 - 5.20	8.60 - 4.80
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
Weight ID - OD	kg	16 - 38	16 - 38	16 - 38
Suggested Power Supply & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 10 (3C+E)	220/240-1-50 10 (3C+E)	220/240-1-50 16 (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

# TOSHIBA

## RAS



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

Indoor Unit	RAS-	B10J2FVG-E	B13J2FVG-E	B18J2FVG-E
Indoor Unit Retail Price		£758	£826	£916
Outdoor Unit	RAS-	10J2AVSG-E1	13J2AVSG-E1	18J2AVSG-E1
Outdoor Unit Retail Price		£767	£952	£1,290
<b>System Retail Price*</b>		<b>£1,525</b>	<b>£1,778</b>	<b>£2,206</b>
Rated Cooling Capacity	kW	2.5	3.5	5.0
Rated Heating Capacity	kW	3.2	4.2	6.0
SEER - SCOP		7.20 - 4.70	7.00 - 4.70	6.80 - 4.60
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
Weight ID - OD	kg	16 - 26	16 - 30	16 - 34
Suggested Power Supply & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 10 (3C+E)	220/240-1-50 10 (3C+E)	220/240-1-50 16 (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



**TOSHIBA****RAS****RAS Multi - Split Inverter Outdoor Unit - G3**

Outdoor unit	RAS-	2M10G3AVG-E	2M14G3AVG-E	2M18G3AVG-E	3M18G3AVG-E
Rooms		2-room Multisplit	2-room Multisplit	2-room Multisplit	3-room Multisplit
Outdoor Unit Retail Price		£1,122	£1,146	£1,284	£1,814
Rated Cooling Capacity	kW	3.3	4.0	5.2	5.2
Rated Heating Capacity	kW	4.0	4.4	5.6	6.8
SEER - SCOP		8.60 - 4.70	8.70 - 4.80	8.70 - 4.80	8.60 - 4.80
Dimensions (H x W x D)	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300	630 x 800 x 300
Weight	kg	31	35	43	44
Suggested Power Supply & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 10 (3C+E)	220/240-1-50 10 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 16 (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	3/8 x 2 + 1/2 x 1 - 1/4 x 3
Maximum Pipe Length (per unit/total) - Height	m	15/20 - 10	20/30 - 10	20/30 - 10	25/50 - 10
Chargeless Pipe Length	m	20	30	30	50
Refrigerant - Additional Charge	Type/kg/g	R32/0.80/0	R32/0.95/0	R32/1.20/0	R32/1.25/0

# TOSHIBA



## RAS



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

Outdoor unit	RAS-	3M26G3AVG-E	4M27G3AVG-E	5M34G3AVG-E
Rooms		3-room Multisplit	4-room Multisplit	5-room Multisplit
Outdoor Unit Retail Price		£2,149	£2,620	£2,983
Rated Cooling Capacity	kW	7.5	8.0	10.0
Rated Heating Capacity	kW	9.0	9.0	12.0
SEER - SCOP		8.50 - 4.60	8.30 - 4.50	7.20 - 4.30
Dimensions (H x W x D)	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Weight	kg	67	68	78
Suggested Power Supply & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	220/240-1-50 20 (3C+E)
Flare connections (gas-liquid)	inch	3/8 x 1 + 1/2 x 2 - 1/4 x 3	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	25/70 - 15	25/80 - 15
Chargeless Pipe Length	m	40	40	40
Refrigerant - Additional Charge	Type/kg/g	R32/1.90/20	R32/2.05/20	R32/2.39/20



**TOSHIBA****RAS****RAS Multi - Split Inverter Outdoor Unit - Combinations**

RAS Indoor Model (B/M-Code)	Cooling kW	Heating kW	SEIYA*	SHORAI EDGE B&W*	HAORI*	DAISEIKAI 9*	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 for Single and Multi connection

\*\* Available for Multi connection only

# TOSHIBA



## RAS



### RAS Multi - Split Inverter indoor Unit - Cassette

Indoor unit (600X600 Cassette)	RAS-	M10U2MUVG-E	M13U2MUVG-E	M16U2MUVG-E
Facia Panel	RBC-	UM21PG(W)-E	UM21PG(W)-E	UM21PG(W)-E
<b>Indoor Unit Retail Price</b>		<b>£1,244</b>	<b>£1,317</b>	<b>£1,373</b>
Remote Controller	RBC-	AX32UM(W)-E	AX32UM(W)-E	AX32UM(W)-E
<b>Remote Controller Retail Price</b>		<b>£131</b>	<b>£131</b>	<b>£131</b>
<b>Indoor Unit Retail Price (inc. Facia Panel &amp; Controller) *</b>		<b>£1,375</b>	<b>£1,448</b>	<b>£1,504</b>
Rated Cooling Capacity	kW	2.7	3.7	4.5
Rated Heating Capacity	kW	4.0	5.0	5.5
Dimensions (H x W x D)	mm	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575
Weight	kg	15	15	15
Power Supply OD to ID	V-ph-Hz	220/240-1-50 (3C+E)	220/240-1-50 (3C+E)	220/240-1-50 (3C+E)
Flare connections (gas - liquid)	Inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4

\* RB-RWS21-E (£215) available as optional accessory

# TOSHIBA



RAS



## RAS Multi-Split Inverter indoor Unit - Ducted

Indoor Unit	RAS-	M07U2DVG-E	M10U2DVG-E	M13U2DVG-E	M16U2DVG-E	M22U2DVG-E	M24U2DVG-E
Indoor Unit Retail Price (Inc. Controller)*		£940	£952	£965	£1,029	£1,202	£1,243
Rated Cooling Capacity	kW	2.0	2.7	3.7	4.5	6.0	7.1
Rated Heating Capacity	kW	2.7	4.0	5.0	5.5	7.0	8.1
Dimensions (H x W x D)	mm	210 x 700 x 450	210 x 700 x 450	210 x 700 x 450	210 x 900 x 450	210 x 1100 x 450	210 x 1100 x 450
Weight	kg	16	16	16	19	22	22
Power Supply OD to ID	V-ph-Hz	220/240-1-50 (3C+E)	220/240-1-50 (3C+E)	220/240-1-50 (3C+E)	220/240-1-50 (3C+E)	220/240-1-50 (3C+E)	220/240-1-50 (3C+E)
Flare connections (gas - liquid)	Inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4	1/2 - 1/4

\* RB-RWS21-E (£215) available as optional accessory



### RAS Accessories

RAS Accessories	Product Range	Model	Description	Price
<b>Wireless Controller</b>				
<b>Wireless Controller</b>	RAS	RB-RXS31-E	Weekly-Timer, IMS Combination (WH-TA03EE)	£78
		RB-RXS33-E	Remote Controller Weekly-Timer (WH-TA15PE)	£78
		RB-RXS34-E	Remote Controller RAS (Seiya, Shorai, Console, Daiseikai)	£90
<b>Controller Wired</b>				
<b>Controller Wired</b>	RAS	RB-RWS21-E	Hard Wired Remote Controller RAS Cassette	£215
<b>Indoor Interfaces</b>				
<b>Indoor Interface</b>	RAS	RBC-IS-IR-WIFI-1	IntesisHome Wi-Fi Universal Controller	£277
		RB-N105S-G	Wi-Fi Adapter	£143
		RB-N106S-G	Wi-Fi Adapter & Cable	£150
		RBC-IT3-PE	Timer Interface For Daiseikai 2 & 3	£163
<b>Fabric Covers</b>				
<b>Fabric Cover</b>	RAS Haori	RB-I4101-E	Fabric Dark Grey	£73
		RB-I4102-E	Fabric Light Grey	£73
		RB-I4103-E	Fabric Bluish Grey	£91
		RB-I4104-E	Fabric Grey Beige	£91
		RB-I4105-E	Fabric Dark Brown	£91
		RB-I4106-E	Fabric Emerald Blue	£91
<b>Anti-Corrosion Coating</b>				
<b>Anti-Corrosion Coating</b>	RAS	CACC-SF	Single Fan Unit Coil Anti-Corrosion Coating	£407

**TOSHIBA****TOSHIBA**

DIGITAL INVERTER CLASSIC

**TOSHIBA**

DIGITAL INVERTER

**TOSHIBA**

SUPER DIGITAL INVERTER

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DIGITAL INVERTER CLASSIC

**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		£553	£597	£717	£717
Outdoor Unit	RAV-	GV561ATP-E	GV801ATP-E	GV1101ATP-E	GV1101AT8P-E
Outdoor Unit Retail Price		£965	£1,237	£1,476	£1,846
<b>System Retail Price*</b>		<b>£1,518</b>	<b>£1,834</b>	<b>£2,193</b>	<b>£2,563</b>
Rated Cooling Capacity	kW	5.0	6.7	9.5	9.5
Rated Heating Capacity	kW	5.3	7.0	10.0	10.0
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+
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
Weight ID - OD	kg	14 - 36	14 - 39	19 - 45	19 - 59
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	380/415-3-50 16 (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 - 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

\* Standard wireless remote controller included in system price

\* Other control options are available as accessories

# TOSHIBA

## RAV 4-Way Cassette - Digital Inverter Classic - Series 1

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DIGITAL INVERTER CLASSIC



<b>Indoor unit (4-way Cassette)</b>	<b>RAV-</b>	<b>HM561UTP-E</b>	<b>HM801UTP-E</b>	<b>HM1101UTP-E</b>	<b>HM1101UTP-E</b>
<b>Facia Panel</b>	<b>RBC-</b>	<b>U32PGP-E</b>	<b>U32PGP-E</b>	<b>U32PGP-E</b>	<b>U32PGP-E</b>
Indoor Unit Retail Price (inc. Facia Panel)		£1,036	£1,113	£1,214	£1,214
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GV561ATP-E</b>	<b>GV801ATP-E</b>	<b>GV1101ATP-E</b>	<b>GV1101AT8P-E</b>
Outdoor Unit Retail Price		£965	£1,237	£1,476	£1,846
<b>Controller</b>	<b>RBC-</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Facia Panel &amp; Controller)*</b>		<b>£2,153</b>	<b>£2,502</b>	<b>£2,842</b>	<b>£3,212</b>

<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>5.0</b>	<b>6.7</b>	<b>9.5</b>	<b>9.5</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>5.3</b>	<b>7.0</b>	<b>10.0</b>	<b>10.0</b>
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+	6.20-4.10 - A++/A+
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840	319 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	710 x 900 x 320
Weight ID - OD	kg	20 - 36	20 - 39	24 - 45	24 - 59
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 25 (3C+E)	380/415-3-50 10 (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 - 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

\* Other control options are available as accessories



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DIGITAL INVERTER CLASSIC

**RAV 4-Way Cassette - Digital Inverter Classic - Series 1 (Continued)**

<b>Indoor unit (4-way Cassette)</b>	<b>RAV-</b>	<b>HM1401UTP-E</b>	<b>HM1401UTP-E</b>	<b>HM1601UTP-E</b>	<b>HM1601UTP-E</b>
<b>Facia Panel</b>	<b>RBC-</b>	<b>U32PGP-E</b>	<b>U32PGP-E</b>	<b>U32PGP-E</b>	<b>U32PGP-E</b>
Indoor Unit Retail Price (inc. Facia Panel)		£1,242	£1,242	£1,328	£1,328
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GV1401ATP-E</b>	<b>GV1401AT8P-E</b>	<b>GV1601ATP-E</b>	<b>GV1601AT8P-E</b>
Outdoor Unit Retail Price		£1,814	£1,945	£2,094	£2,414
<b>Controller</b>	<b>RBC-</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Facia Panel &amp; Controller)*</b>		<b>£3,208</b>	<b>£3,339</b>	<b>£3,574</b>	<b>£3,894</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>11.5</b>	<b>12.1</b>	<b>13.0</b>	<b>13.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>11.9</b>	<b>12.3</b>	<b>13.5</b>	<b>13.5</b>
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.10-3.90 - A/A	5.10-3.90 - A/A	5.90-4.20 - 233.0/165.0	5.90-4.20 - 233.0/165.0
Dimensions (H x W x D) - ID	mm	319 x 840 x 840	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	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	24 - 57	24 - 59	24 - 64	24 - 66
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)
Flare 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

\* Other control options are available as accessories

# TOSHIBA

## RAV Standard Ducted - Digital Inverter Classic Series 1

# TOSHIBA

DIGITAL INVERTER CLASSIC



Indoor Unit (Standard Ducted)	RAV-	HM561BTP-E	HM801BTP-E	HM1101BTP-E	HM1101BTP-E	HM1401BTP-E
Indoor Unit Retail Price		£785	£1,013	£1,158	£1,158	£1,293
Outdoor Unit	RAV-	GV561ATP-E	GV801ATP-E	GV1101ATP-E	GV1101AT8P-E	GV1401ATP-E
Outdoor Unit Retail Price		£965	£1,237	£1,476	£1,846	£1,814
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£1,902</b>	<b>£2,402</b>	<b>£2,786</b>	<b>£3,156</b>	<b>£3,259</b>

Rated Cooling Capacity	kW	5.0	6.7	9.5	9.5	11.5
Rated Heating Capacity	kW	5.3	7.0	10.0	10.0	11.9
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	5.30-3.80 - A/A	5.10-3.80 - A/A
Dimensions (H x W x D) - ID	mm	275 x 700 x 750	275 x 1000 x 750	275 x 1400 x 750	275 x 1400 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	710 x 900 x 320	710 x 900 x 320
Weight ID - OD	kg	23 - 36	30 - 39	40 - 45	40 - 59	40 - 57
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-31-10 (3C+E)	220/240-1-50 32 (3C+E)
Flare connections (gas - liquid)	inch	1/2 - 1/4	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 - 20	5/30 - 20	5/30 - 30	5/30 - 30	5/30 - 30
Chargeless Pipe Length	m	20	20	30	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/0.9/20	R32/1.4/35	R32/1.7/35	R32/1.7/35	R32/1.9/35

\* Other control options are available as accessories

RAV - STANDARD DUCTED



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**TOSHIBA****TOSHIBA**

DIGITAL INVERTER CLASSIC

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

Indoor Unit (Standard Ducted)	RAV-	HM1401BTP-E	HM1601BTP-E	HM1601BTP-E
Indoor Unit Retail Price		£1,293	£1,410	£1,410
Outdoor Unit	RAV-	GV1401AT8P-E	GV1601ATP-E	GV1601AT8P-E
Outdoor Unit Retail Price		£1,945	£2,094	£2,414
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,390</b>	<b>£3,656</b>	<b>£3,976</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>12.1</b>	<b>13.0</b>	<b>13.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>12.3</b>	<b>13.5</b>	<b>13.5</b>
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.10-3.80 - A/A	4.90-4.15 - 193.0/163	5.90-4.20 - 233.0/165
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	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	40 - 59	40 - 64	40 - 66
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	380/415-31-16 (3C+E)	220/240-1-50 32 (3C+E)	380/415-31-16 (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	5/30 - 30	5/30 - 30
Chargeless Pipe Length	m	30	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/1.9/35	R32/2.2/35	R32/2.2/35

\* Other control options are available as accessories





## RAV High-Wall - Digital Inverter - Series 1

Indoor Unit (High-wall)	RAV-	HM301KRTP-E	HM401KRTP-E	HM561KRTP-E	HM801KRTP-E
Indoor Unit Retail Price		£413	£449	£553	£597
Outdoor Unit	RAV-	GM301ATP-E	GM401ATP-E	GM561ATP-E	GM801ATP-E
Outdoor Unit Retail Price		£762	£913	£1,087	£1,435
<b>System Retail Price*</b>		<b>£1,175</b>	<b>£1,362</b>	<b>£1,640</b>	<b>£2,032</b>
Rated Cooling Capacity	kW	2.5	3.6	5.0	6.7
Rated Heating Capacity	kW	3.4	4.0	5.3	7.7
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.36-4.10 - A++/A+	6.12-4.22 - A++/A+	6.19-4.00 - A++/A+	5.73-4.01 - 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	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
Weight ID - OD	kg	10 - 33	10 - 39	14 - 40	14 - 44
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 10 (3C+E)	220/240-1-50 10 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 16 (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 - 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	R32/0.9/20	R32/1.3/35

\* Standard wireless remote controller included in system price

\* Other control options are available as accessories



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

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

Indoor Unit (High-wall)	RAV-	HM901 KRTP-E	HM1101KRTP-E	HM1101KRTP-E
Indoor Unit Retail Price		£657	£717	£717
Outdoor Unit	RAV-	GM901ATP-E	GM1101ATP-E	GM1101AT8P-E
Outdoor Unit Retail Price		£1,585	£1,891	£2,183
<b>System Retail Price*</b>		<b>£2,242</b>	<b>£2,608</b>	<b>£2,900</b>
Rated Cooling Capacity	kW	8.0	9.5	9.5
Rated Heating Capacity	kW	9.0	11.2	11.2
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+
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
Weight ID - OD	kg	14 - 47	19 - 68	19 - 68
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 10 (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	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

\* Other control options are available as accessories

# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



## RAV Compact Cassette - Digital Inverter - Series 1

<b>Indoor unit (600X600 Cassette)</b>	<b>RAV-</b>	<b>HM301MUT-E</b>	<b>HM401MUT-E</b>	<b>HM561MUT-E</b>
<b>Facia Panel</b>	<b>RBC-</b>	<b>UM21PG(W)-E</b>	<b>UM21PG(W)-E</b>	<b>UM21PG(W)-E</b>
Indoor Unit Retail Price (inc. Facia Panel)		£1,150	£1,158	£1,176
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GM301ATP-E</b>	<b>GM401ATP-E</b>	<b>GM561ATP-E</b>
Outdoor Unit Retail Price		£762	£913	£1,087
<b>Controller</b>	<b>RBC-</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>
Controller Retail Price		£152	£152	£152
<b>System Retail Price (inc. Facia Panel &amp; Controller)*</b>		<b>£2,064</b>	<b>£2,223</b>	<b>£2,415</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>2.5</b>	<b>3.6</b>	<b>5.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>3.4</b>	<b>4.0</b>	<b>5.3</b>
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+
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
Weight ID - OD	kg	15 - 33	15 - 39	15 - 40
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 10 (3C+E)	220/240-1-50 10 (3C+E)	220/240-1-50 16 (3C+E)
Flare connections (gas - liquid)	inch	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Max Height Difference	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	R32/0.9/20

\* Other control options are available as accessories

RAV - COMPACT CASSETTE



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**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**RAV Cassette - Digital Inverter - Series 1**

<b>Indoor unit (4-way Cassette)</b>	<b>RAV-</b>	<b>HM561UTP-E</b>	<b>HM801UTP-E</b>	<b>HM901UTP-E</b>	<b>HM1101UTP-E</b>	<b>HM1101UTP-E</b>
<b>Facia Panel</b>	<b>RBC-</b>	<b>U32PGP-E</b>	<b>U32PGP-E</b>	<b>U32PGP-E</b>	<b>U32PGP-E</b>	<b>U32PGP-E</b>
<b>Indoor Unit Retail Price (inc. Facia Panel)</b>		£1,036	£1,113	£1,164	£1,214	£1,214
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GM561ATP-E</b>	<b>GM801ATP-E</b>	<b>GM901ATP-E</b>	<b>GM1101ATP-E</b>	<b>GM1101AT8P-E</b>
<b>Outdoor Unit Retail Price</b>		£1,087	£1,435	£1,585	£1,891	£2,183
<b>Controller</b>	<b>RBC-</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>
<b>Controller Retail Price</b>		£152	£152	£152	£152	£152
<b>System Retail Price (inc. Facia Panel &amp; Controller)*</b>		<b>£2,275</b>	<b>£2,700</b>	<b>£2,901</b>	<b>£3,257</b>	<b>£3,549</b>

<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>5.0</b>	<b>6.7</b>	<b>8.0</b>	<b>9.5</b>	<b>9.5</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>5.3</b>	<b>7.7</b>	<b>9.0</b>	<b>11.2</b>	<b>11.2</b>
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.34-4.60 - A++/A++	5.81-4.42 - A+/A+	7.20-4.60 - A++/A++	6.15-4.28 - A++/A+	6.15-4.28 - A++/A+
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 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	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	20 - 40	20 - 44	24 - 47	24 - 68	24 - 68
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 10 (3C+E)
Flare connections (gas - liquid)	inch	1/2 - 1/4	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	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless Pipe Length	m	20	20	20	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/0.9/20	R32/1.3/35	R32/2.0/35	R32/2.1/35	R32/2.1/35

\* Other control options are available as accessories

# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



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

<b>Indoor unit (4-way Cassette)</b>	<b>RAV-</b>	<b>HM1401UTP-E</b>	<b>HM1401UTP-E</b>	<b>HM1601UTP-E</b>	<b>HM1601UTP-E</b>
<b>Facia Panel</b>	<b>RBC-</b>	<b>U32PGP-E</b>	<b>U32PGP-E</b>	<b>U32PGP-E</b>	<b>U32PGP-E</b>
Indoor Unit Retail Price (inc. Facia Panel)		£1,242	£1,242	£1,328	£1,328
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GM1401ATP-E</b>	<b>GM1401AT8P-E</b>	<b>GM1601ATP-E</b>	<b>GM1601AT8P-E</b>
Outdoor Unit Retail Price		£1,993	£2,300	£2,681	£2,976
<b>Controller</b>	<b>RBC-</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Facia Panel &amp; Controller)*</b>		<b>£3,387</b>	<b>£3,694</b>	<b>£4,161</b>	<b>£4,456</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>12.0</b>	<b>12.0</b>	<b>14.0</b>	<b>14.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>13.0</b>	<b>13.0</b>	<b>16.0</b>	<b>16.0</b>
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.71-4.29 - A+/A+	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	319 x 840 x 840	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	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	24 - 68	24 - 68	24 - 95	24 - 94
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)
Flare 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	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless Pipe Length	m	30	30	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/2.1/35	R32/2.1/35	R32/2.4/35	R32/2.4/35

\* Other control options are available as accessories

**RAV - CASSETTE**



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**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**RAV Ceiling Type - Digital Inverter - Series 1**

Indoor unit (Ceiling)	RAV-	HM401CTP-E	HM561CTP-E	HM801CTP-E	HM901CTP-E	HM1101CTP-E
Indoor Unit Retail Price		£805	£879	£1,040	£1,087	£1,134
Outdoor unit	RAV-	GM401ATP-E	GM561ATP-E	GM801ATP-E	GM901ATP-E	GM1101ATP-E
Outdoor Unit Retail Price		£913	£1,087	£1,435	£1,585	£1,891
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£1,870</b>	<b>£2,118</b>	<b>£2,627</b>	<b>£2,824</b>	<b>£3,177</b>
Rated Cooling Capacity	kW	3.6	5.0	6.9	8.0	9.5
Rated Heating Capacity	kW	4.0	5.3	7.7	9.0	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.34-5.10 - A++/A+++	5.50-4.32 - A/A+	5.62-4.21 - A+/A+	6.10-4.60 - A++/A++	5.86-4.27 - A+/A+
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 950 x 690	235 x 1270 x 690	235 x 1586 x 690	235 x 1586 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	630 x 800 x 300	890 x 900 x 320
Weight ID - OD	kg	23 - 39	23 - 40	29 - 44	37 - 47	37 - 68
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 10 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	220/240-1-50 20 (3C+E)
Flare connections (gas - liquid)	inch	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Max Height Difference	m	2/20 - 10	5/30 - 30	5/30 - 30	5/50 - 30	5/50 - 30
Chargeless Pipe Length	m	15	20	20	20	30
Refrigerant - Additional Charge	Type/kg/g	R32/0.9/20	R32/0.9/20	R32/1.3/35	R32/2.0/35	R32/2.1/35

\* Other control options are available as accessories



## RAV Ceiling type - Digital Inverter - Series 1 (Continued)

Indoor unit (Ceiling)	RAV-	HM1101CTP-E	HM1401CTP-E	HM1401CTP-E	HM1601CTP-E	HM1601CTP-E
Indoor Unit Retail Price		£1,134	£1,429	£1,429	£1,455	£1,455
Outdoor unit	RAV-	GM1101AT8P-E	GM1401ATP-E	GM1401AT8P-E	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,183	£1,993	£2,300	£2,681	£2,976
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,469</b>	<b>£3,574</b>	<b>£3,881</b>	<b>£4,288</b>	<b>£4,583</b>

Rated Cooling Capacity	kW	9.5	12.1	12.1	14.0	14.0
Rated Heating Capacity	kW	11.2	13.0	13.0	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.86-4.27 - A+/A+	5.36-4.19 - 211.4/164.6	5.36-4.19 - 211.4/164.6	5.90-4.35 - 233.0/161.0	5.90-4.35 - 233.0/161.0
Dimensions (H x W x D) - ID	mm	235 x 1586 x 690	235 x 1586 x 690	235 x 1586 x 690	235 x 1586 x 690	235 x 1586 x 690
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	37 - 68	37 - 68	37 - 68	37 - 95	37 - 94
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	380/415-3-50 10 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)
Flare connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Max Height Difference	m	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless Pipe Length	m	30	30	30	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/2.1/35	R32/2.1/35	R32/2.1/35	R32/2.4/35	R32/2.4/35

\* Other control options are available as accessories

**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**RAV Standard Ducted - Digital Inverter - Series 1**

Indoor Unit (Standard Ducted)	RAV-	HM561BTP-E	HM801BTP-E	HM901BTP-E	HM1101BTP-E	HM1101BTP-E
Indoor Unit Retail Price		£785	£1,013	£1,086	£1,158	£1,158
Outdoor Unit	RAV-	GM561ATP-E	GM801ATP-E	GM901ATP-E	GM1101ATP-E	GM1101AT8P-E
Outdoor Unit Retail Price		£1,087	£1,435	£1,585	£1,891	£2,183
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£2,024</b>	<b>£2,600</b>	<b>£2,823</b>	<b>£3,201</b>	<b>£3,493</b>
Rated Cooling Capacity	kW	5.0	6.7	8.0	9.5	9.5
Rated Heating Capacity	kW	5.3	7.7	9.0	11.2	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.28-4.08 - A/A+	5.20-4.13 - A/A+	6.10-4.60 - A++/A++	5.28-4.19 - A/A+	5.28-4.19 - A/A+
Dimensions (H x W x D) - ID	mm	275 x 700 x 750	275 x 1000 x 750	275 x 1400 x 750	275 x 1400 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	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	23 - 40	30 - 44	40 - 47	40 - 68	40 - 68
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 10 (3C+E)
Flare connections (gas - liquid)	inch	1/2 - 1/4	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	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless Pipe Length	m	20	20	20	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/0.9/20	R32/1.3/35	R32/2.0/35	R32/2.1/35	R32/2.1/35

\* Other control options are available as accessories





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

Indoor Unit (Standard Ducted)	RAV-	HM1401BTP-E	HM1401BTP-E	HM1601BTP-E	HM1601BTP-E
Indoor Unit Retail Price		£1,293	£1,293	£1,410	£1,410
Outdoor Unit	RAV-	GM1401ATP-E	GM1401AT8P-E	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£1,993	£2,300	£2,681	£2,976
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,438</b>	<b>£3,745</b>	<b>£4,243</b>	<b>£4,538</b>

Rated Cooling Capacity	kW	12.1	12.1	14.0	14.0
Rated Heating Capacity	kW	13.0	13.0	16.0	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	5.30-3.90 - 209.0/153.0	5.30-3.90 - 209.0/153.0
Dimensions (H x W x D) - ID	mm	275 x 1400 x 750	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	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	40 - 68	40 - 68	40 - 95	40 - 94
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)
Flare 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	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless Pipe Length	m	30	30	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/2.1/35	R32/2.1/35	R32/2.4/35	R32/2.4/35

\* Other control options are available as accessories



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**RAV High Static Ducted - Big DI Inverter Series 1**

Indoor Unit (High Static Ducted)	RAV-	RM2241DTP-E2	RM2801DTP-E2
Indoor Unit Retail Price		£3,533	£3,745
Outdoor Unit	RAV-	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£5,246	£5,255
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£8,931</b>	<b>£9,152</b>
Rated Cooling Capacity	kW	19.0	22.5
Rated Heating Capacity	kW	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.82-3.78 - 229.8/148.2	5.49-3.69 - 216.6/144.6
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
Weight ID - OD	kg	97 - 142	97 - 142
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 20 (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	Type/kg/g	R32/5.0/80	R32/5.0/80

\* Other control options are available as accessories



## RAV Floor-Standing - Digital Inverter - Series 1

Indoor Unit (Floor Standing)	RAV-	HM561FT-E	HM801FT-E	HM1101FT-E	HM1101FT-E	HM1401FT-E	HM1401FT-E
Indoor Unit Retail Price		£1,937	£2,076	£2,239	£2,239	£2,349	£2,349
Outdoor Unit	RAV-	GM561ATP-E	GM801ATP-E	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E	GM1401AT8P-E
Outdoor Unit Retail Price		£1,087	£1,435	£1,891	£2,183	£1,993	£2,300
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,176</b>	<b>£3,663</b>	<b>£4,282</b>	<b>£4,574</b>	<b>£4,494</b>	<b>£4,801</b>

Rated Cooling Capacity	kW	5.0	6.7	9.5	9.5	12.1	12.1
Rated Heating Capacity	kW	5.3	7.7	11.2	11.2	13.0	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.15-4.00 - A/A+	4.89-3.81 - B/A	5.16-3.92 - A/A	5.16-3.92 - A/A	4.86-3.90 -191.4/153.0	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 390	1750 x 600 x 390	1750 x 600 x 390	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	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	44 - 40	45 - 44	59 - 68	59 - 68	59 - 68	59 - 68
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 10 (3C+E)	220/240-1-50 20 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 10 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)
Flare connections (gas - liquid)	inch	1/2 - 1/4	5/8 - 3/8	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	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless Pipe Length	m	20	20	30	30	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/0.9/20	R32/1.3/35	R32/2.1/35	R32/2.1/35	R32/2.1/35	R32/2.1/35

\* Other control options are available as accessories



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

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

Indoor unit x2	RAV-	HM301KRTP-E	HM401KRTP-E	HM561KRTP-E	HM561KRTP-E	HM801KRTP-E
Indoor Unit Retail Price (Per Unit)		£413	£449	£553	£553	£597
Outdoor unit	RAV-	GM561ATP-E	GM801ATP-E	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E
Outdoor Unit Retail Price		£1,087	£1,435	£1,891	£2,183	£1,993
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£2,065</b>	<b>£2,485</b>	<b>£3,149</b>	<b>£3,441</b>	<b>£3,339</b>

Rated Cooling Capacity	kW	5.0	6.7	9.5	9.5	12.1
Rated Heating Capacity	kW	5.3	7.7	11.2	11.2	13.0
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+	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	320 x 1050 x 250	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	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	10 - 40	10 - 44	14 - 68	14 - 68	14 - 68
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 10 (3C+E)	220/240-1-50 32 (3C+E)
Flare connections (gas - liquid)**	inch	1/2 - 1/4	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 - 50/30	5 - 50/30	5 - 50/30
Chargeless Pipe Length	m	20	20	30	30	30
Refrigerant - Additional Charge (main - sub)	Type/kg/g	R32/0.9/20-20	R32/1.3/35-20	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-TWP101E (£225) not included, pipe connectors can be obtained locally



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

Indoor unit x2	RAV-	HM801KRTP-E	HM801KRTP-E	HM801KRTP-E	HM1101KRTP-E
Indoor Unit Retail Price (Per Unit)		£597	£597	£597	£717
Outdoor unit	RAV-	GM1401AT8P-E	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1
Outdoor Unit Retail Price		£2,300	£2,681	£2,976	£5,246
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,646</b>	<b>£4,027</b>	<b>£4,322</b>	<b>£6,832</b>

Rated Cooling Capacity	kW	12.1	14.0	14.0	20.0
Rated Heating Capacity	kW	13.0	16.0	16.0	22.4
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.24-4.17 - 206.6/163.8	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	320 x 1050 x 250	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	1550 x 1010 x 370
Weight ID - OD	kg	14 - 68	14 - 95	14 - 94	24 - 142
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	380/415-3-50 16 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	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 - 50/30	5 - 100/30
Chargeless Pipe Length	m	30	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	R32/5.0/80-40

\* Other control options are available as accessories

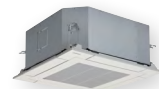
\*\* Branch Kit RBC-TWP101E (£225) not included, pipe connectors can be obtained locally



# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



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

Indoor unit x2	RAV-	HM301MUT-E	HM401MUT-E	HM561MUT-E	HM561MUT-E
Indoor Unit Retail Price (Per Unit)		£1,150	£1,158	£1,176	£1,176
Outdoor unit	RAV-	GM561ATP-E	GM801ATP-E	GM1101ATP-E	GM1101AT8P-E
Outdoor Unit Retail Price		£1,087	£1,435	£1,891	£2,183
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,539</b>	<b>£3,903</b>	<b>£4,395</b>	<b>£4,687</b>
Rated Cooling Capacity	kW	5.0	6.7	9.5	9.5
Rated Heating Capacity	kW	5.3	7.7	11.2	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.69-4.37 - A+/A+	*/-	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	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	15 - 40	15 - 44	15 - 68	15 - 68
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 10 (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 / Max Height Difference	m	5 - 30/30	5 - 30/30	5 - 50/30	5 - 50/30
Chargeless Pipe Length	m	20	20	30	30
Refrigerant - Additional Charge (main - sub)	Type/kg/g	R32/0.9/20-20	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-TWP101E (£225) not included, pipe connectors can be obtained locally

\*\*\* See single split systems pages for cassette panel model reference.

## RAV Twin-Split 4-Way Cassette - Digital Inverter - Series 1



Indoor unit x2	RAV-	HM561UTP-E	HM561UTP-E	HM801UTP-E	HM801UTP-E
Indoor Unit Retail Price (Per Unit)		£1,036	£1,036	£1,113	£1,113
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E	GM1401AT8P-E
Outdoor Unit Retail Price		£1,891	£2,183	£1,993	£2,300
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£4,115</b>	<b>£4,407</b>	<b>£4,371</b>	<b>£4,678</b>

Rated Cooling Capacity	kW	9.5	9.5	12.0	12.0
Rated Heating Capacity	kW	11.2	11.2	13.0	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+	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	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	890 x 900 x 320
Weight ID - OD	kg	20 - 68	20 - 68	20 - 68	20 - 68
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 10 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)
Flare 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 - 50/30	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless Pipe Length	m	30	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	R32/2.1/35-35

\* Other control options are available as accessories

\*\* Branch Kit RBC-TWP101E (€225) not included, pipe connectors can be obtained locally

\*\*\* See single split systems pages for cassette panel model reference.



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DIGITAL INVERTER

**RAV Twin-Split 4-Way Cassette - Digital Inverter - Series 1 (Continued)**

Indoor unit x2	RAV-	HM801UTP-E	HM801UTP-E	HM1101UTP-E	HM1401UTP-E
Indoor Unit Retail Price (Per Unit)		£1,113	£1,113	£1,214	£1,242
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£2,681	£2,976	£5,246	£5,255
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£5,059</b>	<b>£5,354</b>	<b>£7,826</b>	<b>£7,891</b>
Rated Cooling Capacity	kW	14.0	14.0	20.0	23.5
Rated Heating Capacity	kW	16.0	16.0	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.30-4.35 - 249.0/171.0	6.30-4.35 - 249.0/171.0	6.88-4.06 - 272.2/159.4	6.48-3.92 - 256.2/153.8
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	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	1550 x 1010 x 370
Weight ID - OD	kg	20 - 95	20 - 94	24 - 142	24 - 142
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 20 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	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 - 50/30	5 - 100/30	5 - 100/30
Chargeless Pipe Length	m	30	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	R32/5.0/80-40

\* Other control options are available as accessories

\*\* Branch Kit RBC-TWP101E (£225) not included, pipe connectors can be obtained locally

\*\*\* See single split systems pages for cassette panel model reference.



# TOSHIBA

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DIGITAL INVERTER



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

Indoor unit x2	RAV-	HM401CTP-E	HM561CTP-E	HM561CTP-E	HM801CTP-E	HM801CTP-E
Indoor Unit Retail Price (Per Unit)		£805	£879	£879	£1,040	£1,040
Outdoor unit	RAV-	GM801ATP-E	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E	GM1401AT8P-E
Outdoor Unit Retail Price		£1,435	£1,891	£2,183	£1,993	£2,300
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,197</b>	<b>£3,801</b>	<b>£4,093</b>	<b>£4,225</b>	<b>£4,532</b>

Rated Cooling Capacity	kW	6.9	9.5	9.5	12.1	12.1
Rated Heating Capacity	kW	7.7	11.2	11.2	13.0	13.0
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+	5.36-4.19 - 211.4/164.6	5.36-4.19 - 211.4/164.6
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 950 x 690	235 x 950 x 690	235 x 1270 x 690	235 x 1270 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	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	23 - 44	23 - 68	23 - 68	29 - 68	29 - 68
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 10 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	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	5 - 50/30
Chargeless Pipe Length	m	20	30	30	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	R32/2.1/35-35	R32/2.1/35-35

\* Other control options are available as accessories

\*\* Branch Kit RBC-TWP101E (£225) not included, pipe connectors can be obtained locally

RAV - CEILING



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**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

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

Indoor unit x2	RAV-	HM801CTP-E	HM801CTP-E	HM1101CTP-E	HM1401CTP-E
Indoor Unit Retail Price (Per Unit)		£1,040	£1,040	£1,134	£1,429
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£2,681	£2,976	£5,246	£5,255
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£4,913</b>	<b>£5,208</b>	<b>£7,666</b>	<b>£8,265</b>
Rated Cooling Capacity	kW	14.0	14.0	20.0	23.5
Rated Heating Capacity	kW	16.0	16.0	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.90-4.10 - 233.0/161.0	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 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	1340 x 900 x 320	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	29 - 95	29 - 94	37 - 142	37 - 142
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 20 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	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 - 50/30	5 - 100/30	5 - 100/30
Chargeless Pipe Length	m	30	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	R32/5.0/80-40

\* Other control options are available as accessories

\*\* Branch Kit RBC-TWP101E (£225) not included, pipe connectors can be obtained locally

# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



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

Indoor unit x2	RAV-	HM561BTP-E	HM561BTP-E	HM801BTP-E	HM801BTP-E
Indoor Unit Retail Price (Per Unit)		£785	£785	£1,013	£1,013
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E	GM1401AT8P-E
Outdoor Unit Retail Price		£1,891	£2,183	£1,993	£2,300
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,613</b>	<b>£3,905</b>	<b>£4,171</b>	<b>£4,478</b>

Rated Cooling Capacity	kW	9.5	9.5	12.1	12.1
Rated Heating Capacity	kW	11.2	11.2	13.0	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	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	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	890 x 900 x 320
Weight ID - OD	kg	23 - 68	23 - 68	30 - 68	30 - 68
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 10 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)
Flare 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 - 50/30	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless Pipe Length	m	30	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	R32/2.1/35-35

\* Other control options are available as accessories

\*\* Branch Kit RBC-TWP101E (£225) not included, pipe connectors can be obtained locally

RAV - STANDARD DUCTED



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**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

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

Indoor unit x2	RAV-	HM801BTP-E	HM801BTP-E	HM1101BTP-E	HM1401BTP-E
Indoor Unit Retail Price (Per Unit)		£1,013	£1,013	£1,158	£1,293
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£2,681	£2,976	£5,246	£5,255
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£4,859</b>	<b>£5,154</b>	<b>£7,714</b>	<b>£7,993</b>
Rated Cooling Capacity	kW	14.0	14.0	20.0	23.5
Rated Heating Capacity	kW	16.0	16.0	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.30-3.90 - 209.0/153.0	5.30-3.90 - 209.0/153.0	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 1000 x 750	275 x 1000 x 750	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	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	30 - 95	30 - 94	40 - 142	40 - 142
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 20 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	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 - 50/30	5 - 100/30	5 - 100/30
Chargeless Pipe Length	m	30	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	R32/5.0/80-40

\* Other control options are available as accessories

\*\* Branch Kit RBC-TWP101E (£225) not included, pipe connectors can be obtained locally

# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



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

Indoor unit x2	RAV-	HM561FT-E	HM561FT-E	HM801FT-E	HM801FT-E	HM1101FT-E	HM1401FT-E
Indoor Unit Retail Price (Per Unit)		£1,937	£1,937	£2,076	£2,076	£2,239	£2,349
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E	GM1401AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£1,891	£2,183	£1,993	£2,300	£5,246	£5,255
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£5,917</b>	<b>£6,209</b>	<b>£6,297</b>	<b>£6,604</b>	<b>£9,876</b>	<b>£10,105</b>

Rated Cooling Capacity	kW	9.5	9.5	12.1	12.1	20.0	23.5
Rated Heating Capacity	kW	11.2	11.2	13.0	13.0	22.4	27.0
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	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 210	1750 x 600 x 210	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	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	44 - 68	44 - 68	45 - 68	45 - 68	59 - 142	59 - 142
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 10 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 20 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	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 - 50/30	5 - 50/30	5 - 50/30	5 - 100/30	5 - 100/30
Chargeless Pipe Length	m	30	30	30	30	30	30
Refrigerant - Additional Charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.1	R32/2.1	R32/2.1	R32/5.0	R32/5.0

\* Other control options are available as accessories

\*\* Branch Kit RBC-TWP101E (€225) not included, pipe connectors can be obtained locally

Power cable from header indoor to follower indoor = 2 core + earth

Please refer to installation manual for piping distances for minimum/maximum piping lengths to branch joint and indoor unit separations

**RAV - FLOOR STANDING**



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**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

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

Indoor unit x3	RAV-	HM301KRTP-E	HM301KRTP-E	HM401KRTP-E	HM401KRTP-E
Indoor Unit Retail Price (Per Unit)		£413	£413	£449	£449
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E	GM1401AT8P-E
Outdoor Unit Retail Price		£1,891	£2,183	£1,993	£2,300
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,566</b>	<b>£3,858</b>	<b>£3,776</b>	<b>£4,083</b>
Rated Cooling Capacity	kW	9.5	9.5	12.1	12.0
Rated Heating Capacity	kW	11.2	11.2	13.0	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	5.24-4.17 - 206.6/163.8
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	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	890 x 900 x 320
Weight ID - OD	kg	10 - 68	10 - 68	10 - 68	10 - 68
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 10 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)
Flare 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 - 50/30	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless Pipe Length	m	30	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	R32/2.1/35-20

\* Other control options are available as accessories

\*\* Branch kit RBC-TRP100E (£284) is included in the system price

# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



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

Indoor unit x3	RAV-	HM561KRTP-E	HM561KRTP-E	HM801KRTP-E	HM801KRTP-E
Indoor Unit Retail Price (Per Unit)		£553	£553	£597	£597
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£2,681	£2,976	£5,246	£5,255
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£4,776</b>	<b>£5,071</b>	<b>£7,473</b>	<b>£7,482</b>

Rated Cooling Capacity	kW	14.0	14.0	20.0	23.5
Rated Heating Capacity	kW	16.0	16.0	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.10-4.10 - 201.0/161.0	5.10-4.00 - 201.0/157.0	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	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	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	14 - 95	14 - 94	14 - 142	14 - 142
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 20 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	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 - 50/30	5 - 100/30	5 - 100/30
Chargeless Pipe Length	m	30	30	30	30
Refrigerant - Additional Charge (main - sub)	Type/kg/g	R32/2.4/35-20	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 (£284) is included in the system price

RAV - HIGH - WALL



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**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

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

Indoor unit x3	RAV-	HM301MUT-E	HM301MUT-E	HM401MUT-E	HM401MUT-E	HM561MUT-E	HM561MUT-E
Indoor Unit Retail Price (Per Unit)		£1,150	£1,150	£1,158	£1,158	£1,176	£1,176
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E	GM1401AT8P-E	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£1,891	£2,183	£1,993	£2,300	£2,681	£2,976
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£5,777</b>	<b>£6,069</b>	<b>£5,903</b>	<b>£6,210</b>	<b>£6,645</b>	<b>£6,940</b>

Rated Cooling Capacity	kW	9.5	9.5	12.0	12.0	14.0	14.0
Rated Heating Capacity	kW	11.2	11.2	12.8	12.8	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.50-4.02 - A/A+	5.50-4.02 - A/A+	*/-	*/-	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	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	890 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	15 - 68	15 - 68	15 - 68	15 - 68	15 - 95	15 - 94
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 10 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	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 - 50/30	5 - 50/30	5 - 50/30	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless Pipe Length	m	30	30	30	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	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 (£284) is included in the system price

\*\*\* See single split systems pages for cassette panel model reference



# TOSHIBA

## RAV Triple-Split 4-Way Cassette - Digital Inverter - Series 1

# TOSHIBA

DIGITAL INVERTER



Indoor unit x3	RAV-	HM561UTP-E	HM561UTP-E	HM801UTP-E	HM801UTP-E
Indoor Unit Retail Price (Per Unit)		£1,036	£1,036	£1,113	£1,113
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£2,681	£2,976	£5,246	£5,255
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£6,225</b>	<b>£6,520</b>	<b>£9,021</b>	<b>£9,030</b>

Rated Cooling Capacity	kW	14.0	14.0	20.0	23.5
Rated Heating Capacity	kW	16.0	16.0	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.30-4.35 - 249.0/171.0	6.30-4.35 - 249.0/171.0	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	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	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	20 - 95	20 - 94	20 - 142	20 - 142
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 20 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	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 - 50/30	5 - 100/30	5 - 100/30
Chargeless Pipe Length	m	30	30	30	30
Refrigerant - Additional Charge (main - sub)	Type/kg/g	R32/2.4/35-20	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 (£284) is included in the system price

\*\*\* See single split systems pages for cassette panel model reference

RAV - 4-WAY CASSETTE



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**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**RAV Triple-Split Ceiling - Digital Inverter - Series 1**

Indoor unit x3	RAV-	HM401CTP-E	HM401CTP-E	HM561CTP-E
Indoor Unit Retail Price (Per Unit)		£805	£805	£879
Outdoor unit	RAV-	GM1401ATP-E	GM1401AT8P-E	GM1601ATP-E
Outdoor Unit Retail Price		£1,993	£2,300	£2,681
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£4,844</b>	<b>£5,151</b>	<b>£5,754</b>

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 Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 32 (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 (£284) is included in the system price



## RAV Triple-Split Ceiling - Digital Inverter - Series 1 (Continued)

Indoor unit x3	RAV-	HM561CTP-E	HM801CTP-E	HM801CTP-E
Indoor Unit Retail Price (Per Unit)		£879	£1,040	£1,040
Outdoor unit	RAV-	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£2,976	£5,246	£5,255
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£6,049</b>	<b>£8,802</b>	<b>£8,811</b>

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 Supply OD & Interconnecting Cable	V-ph-Hz-A	380/415-3-50 16 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 20 (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 (£284) is included in the system price



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

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

Indoor unit x3	RAV-	HM561BTP-E	HM561BTP-E	HM801BTP-E	HM801BTP-E
Indoor Unit Retail Price (Per Unit)		£785	£785	£1,013	£1,013
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£2,681	£2,976	£5,246	£5,255
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£5,472</b>	<b>£5,767</b>	<b>£8,721</b>	<b>£8,730</b>

Rated Cooling Capacity	kW	14.0	14.0	20.0	23.5
Rated Heating Capacity	kW	16.0	16.0	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.30-3.90 - 209.0/153.0	5.30-3.90 - 209.0/153.0	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 700 x 750	275 x 700 x 750	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	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	23 - 95	23 - 94	30 - 142	30 - 142
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 20 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	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 - 50/30	5 - 100/30	5 - 100/30
Chargeless Pipe Length	m	30	30	30	30
Refrigerant - Additional Charge (main - sub)	Type/kg/g	R32/2.4/35-20	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 (£284) is included in the system price

# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



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

<b>Indoor unit x3</b>	<b>RAV-</b>	<b>HM801FT-E</b>	<b>HM801FT-E</b>
Indoor Unit Retail Price (Per Unit)		£2,076	£2,076
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GM2241AT8-E1</b>	<b>GM2801AT8-E1</b>
Outdoor Unit Retail Price		£5,246	£5,255
<b>Controller</b>	<b>RBC-</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>
Controller Retail Price		£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£11,910</b>	<b>£11,919</b>

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 Supply OD & Interconnecting Cable	V-ph-Hz-A	380/415-3-50 16 (3C+E)	380/415-3-50 20 (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 (£284) is included in the system price.

Power cable from header indoor to follower indoor = 2 core + earth.

Please refer to installation manual for piping distances for minimum/maximum piping lengths to branch joint and indoor unit separations

**RAV - FLOOR STANDING**



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**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

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

Indoor unit x4	RAV-	HM301KRTP-E	HM301KRTP-E	HM401KRTP-E	HM401KRTP-E	HM561KRTP-E	HM801KRTP-E
Indoor Unit Retail Price (Per Unit)		£413	£413	£449	£449	£553	£597
Outdoor unit	RAV-	GM1401ATP-E	GM1401AT8P-E	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£1,993	£2,300	£2,681	£2,976	£5,246	£5,255
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,797</b>	<b>£4,104</b>	<b>£4,629</b>	<b>£4,924</b>	<b>£7,610</b>	<b>£7,795</b>

Rated Cooling Capacity	kW	12.1	12.1	14.0	14.0	20.0	23.5
Rated Heating Capacity	kW	13.0	13.0	16.0	16.0	22.4	27.0
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	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	293 x 798 x 230	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	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	10 - 68	10 - 68	10 - 95	10 - 94	14 - 142	14 - 142
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 20 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	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 - 50/30	5 - 50/30	5 - 50/30	5 - 100/30	5 - 100/30
Chargeless Pipe Length	m	30	30	30	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	R32/2.4/35-20-20	R32/5.0/80-40-35	R32/5.0/80-40-35

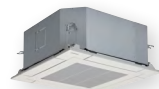
\* Other control options are available as accessories

\*\* Branch kit RBC-DTWP101E (£303) not included, pipe connectors can be obtained locally

# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



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

Indoor unit x4	RAV-	HM301MUT-E	HM301MUT-E	HM401MUT-E	HM401MUT-E	HM561MUT-E
Indoor Unit Retail Price (Per Unit)		£1,150	£1,150	£1,158	£1,158	£1,176
Outdoor unit	RAV-	GM1401ATP-E	GM1401AT8P-E	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1
Outdoor Unit Retail Price		£1,993	£2,300	£2,681	£2,976	£5,246
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£6,745</b>	<b>£7,052</b>	<b>£7,465</b>	<b>£7,760</b>	<b>£10,102</b>

Rated Cooling Capacity	kW	12.1	12.1	12.1	12.1	20.0
Rated Heating Capacity	kW	12.8	12.8	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	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	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	1340 x 900 x 320	1550 x 1010 x 370
Weight ID - OD	kg	15 - 68	15 - 68	15 - 95	15 - 94	15 - 142
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	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 - 50/30	5 - 50/30	5 - 100/30
Chargeless Pipe Length	m	30	30	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	R32/2.4/35-20-20	R32/5.0/80-40-35

\* Other control options are available as accessories

\*\* Branch kit RBC-DTWP101E (€303) not included, pipe connectors can be obtained locally

\*\*\* See single split systems pages for cassette panel model reference.

RAV - COMPACT CASSETTE



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**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**RAV Quad-Split 4-Way Cassette - Digital Inverter - Series 1**

Indoor unit x4	RAV-	HM561UTP-E	HM801UTP-E
Indoor Unit Retail Price (Per Unit)		£1,036	£1,113
Outdoor unit	RAV-	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£5,246	£5,255
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£9,542</b>	<b>£9,859</b>
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 Supply OD & Interconnecting Cable	V-ph-Hz-A	380/415-3-50 16 (3C+E)	380/415-3-50 20 (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-DTWP101E (£303) not included, pipe connectors can be obtained locally

\*\*\* See single split systems pages for cassette panel model reference.



# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



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

Indoor unit x4	RAV-	HM401CTP-E	HM401CTP-E	HM561CTP-E	HM801CTP-E
Indoor Unit Retail Price (Per Unit)		£805	£805	£879	£1,040
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£2,681	£2,976	£5,246	£5,255
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£6,053</b>	<b>£6,348</b>	<b>£8,914</b>	<b>£9,567</b>

Rated Cooling Capacity	kW	14.0	14.0	20.0	23.5
Rated Heating Capacity	kW	16.0	16.0	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.90-4.19 - 233/164.6	5.90-4.19 - 233/164.6	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 950 x 690	235 x 950 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	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	23 - 68	23 - 68	23 - 142	29 - 142
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 20 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	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 - 50/30	5 - 100/30	5 - 100/30
Chargeless Pipe Length	m	30	30	30	30
Refrigerant - Additional Charge (main - sub)	Type/kg/g	R32/2.4/35-20-20	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-DTWP101E (£303) not included, pipe connectors can be obtained locally



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

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

<b>Indoor unit x4</b>	<b>RAV-</b>	<b>HM561BTP-E</b>	<b>HM801BTP-E</b>
Indoor Unit Retail Price (Per Unit)		£785	£1,013
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GM2241AT8-E1</b>	<b>GM2801AT8-E1</b>
Outdoor Unit Retail Price		£5,246	£5,255
<b>Controller</b>	<b>RBC-</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>
Controller Retail Price		£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£8,538</b>	<b>£9,459</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>20.0</b>	<b>23.5</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>22.4</b>	<b>27.0</b>
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 Supply OD & Interconnecting Cable	V-ph-Hz-A	380/415-3-50 16 (3C+E)	380/415-3-50 20 (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-DTWP101E (£303) not included, pipe connectors can be obtained locally

# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



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

<b>Indoor unit x4</b>	<b>RAV-</b>	<b>HM561FT-E</b>	<b>HM561FT-E</b>
Indoor Unit Retail Price (Per Unit)		£1,937	£1,937
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GM2241AT8-E1</b>	<b>GM2801AT8-E1</b>
Outdoor Unit Retail Price		£5,246	£5,255
<b>Controller</b>	<b>RBC-</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>
Controller Retail Price		£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£13,146</b>	<b>£13,155</b>

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 Supply OD & Interconnecting Cable	V-ph-Hz-A	380/415-3-50 16 (3C+E)	380/415-3-50 20 (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-DTWP101E (£303) not included, pipe connectors can be obtained locally.

Power cable from header indoor to follower indoor = 2 core + earth.

Please refer to installation manual for piping distances for minimum/maximum piping lengths to branch joint and indoor unit separations

**RAV - FLOOR STANDING**



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**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**RAV High-Wall - Digital Inverter - Series 2**

Indoor Unit (High-wall)	RAV-	HM301KRTP-E	HM401KRTP-E	HM561KRTP-E	HM801KRTP-E
Indoor Unit Retail Price		£413	£449	£553	£597
Outdoor Unit	RAV-	GM302ATP-E	GM402ATP-E	GM562ATP-E	GM802ATW-E
Outdoor Unit Retail Price		£840	£986	£1,195	£1,607
<b>System Retail Price*</b>		<b>£1,253</b>	<b>£1,435</b>	<b>£1,748</b>	<b>£2,204</b>
Rated Cooling Capacity	kW	2.5	3.6	5.0	6.7
Rated Heating Capacity	kW	3.4	4.0	5.3	7.7
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.00-4.12 - A++/A+	6.70-4.24 - A++/A+	6.69-4.02 - A++/A+	6.60-4.05 - A++/A+
Dimensions (H x W x D) - ID	mm	40-34-29	41-36-30	42-39-35	45-41-35
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	630 x 799 x 299
Weight ID - OD	kg	10 - 29	10 - 34	14 - 40	14 - 47
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 10 (3C+E)	220/240-1-50 10 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 16 (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 - Max Height Difference	m	2/20 - 10	2/20 - 10	5/30 - 30	5/50 - 30
Chargeless Pipe Length	m	15	15	20	20
Refrigerant - Additional Charge	Type/kg/g	R32/0.6/20	R32/0.9/20	R32/0.9/20	R32/1.9/35

\* Standard wireless remote controller included in system price

\* Other control options are available as accessories

# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



## RAV High-Wall - Digital Inverter - Series 2 (Continued)

Indoor Unit (High-wall)	RAV-	HM901 KRTP-E	HM1101 KRTP-E	HM1101 KRTP-E
Indoor Unit Retail Price		£657	£717	£717
Outdoor Unit	RAV-	GM902ATW-E	GM1102ATW-E	GM1102AT8W-E
Outdoor Unit Retail Price		£1,767	£2,191	£2,546
<b>System Retail Price*</b>		<b>£2,424</b>	<b>£2,908</b>	<b>£3,263</b>
Rated Cooling Capacity	kW	8.0	9.5	9.5
Rated Heating Capacity	kW	8.6	11.2	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.60-4.10 - A++/A+	6.40-4.20 - A++/A+	6.10-4.20 - A++/A+
Dimensions (H x W x D) - ID	mm	47-41-35	49-45-41	49-45-41
Dimensions (H x W x D) - OD	mm	630 x 799 x 299	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	14 - 47	19 - 85	19 - 85
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 10 (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	20	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/1.9/35	R32/2.4/35	R32/2.4/35

\* Standard wireless remote controller included in system price

\* Other control options are available as accessories



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**RAV Compact Cassette - Digital Inverter - Series 2**

Indoor unit (600X600 Cassette)	RAV-	HM301MUT-E	HM401MUT-E	HM561MUT-E
Facia Panel	RBC-	UM21PG(W)-E	UM21PG(W)-E	UM21PG(W)-E
<b>Indoor Unit Retail Price (inc. Facia Panel)</b>		<b>£1,150</b>	<b>£1,158</b>	<b>£1,176</b>
Outdoor unit	RAV-	GM302ATP-E	GM402ATP-E	GM562ATP-E
<b>Outdoor Unit Retail Price</b>		<b>£840</b>	<b>£986</b>	<b>£1,195</b>
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
<b>Controller Retail Price</b>		<b>£152</b>	<b>£152</b>	<b>£152</b>
<b>System Retail Price (inc. Facia Panel &amp; Controller)*</b>		<b>£2,142</b>	<b>£2,296</b>	<b>£2,523</b>

<b>Rated Cooling Capacity</b>	kW	3.4	4.0	5.3
<b>Rated Heating Capacity</b>	kW	6.9	6.7	6.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.86-4.73 - A++/A++	6.70-4.46 - A++/A+	6.19-4.40 - 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	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Weight ID - OD	kg	15 - 29	15 - 34	15 - 40
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 10 (3C+E)	220/240-1-50 10 (3C+E)	220/240-1-50 16 (3C+E)
Flare connections (gas - liquid)	inch	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Max Height Difference	m	2/20 - 10	2/20 - 10	5/30 - 30
Chargeless Pipe Length	m	15	15	20
Refrigerant - Additional Charge	Type/kg/g	R32/0.6/20	R32/0.9/20	R32/0.9/20

\* Other control options are available as accessories

# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



## RAV Cassette - Digital Inverter - Series 2

Indoor unit (4-way Cassette)	RAV-	HM561UTP-E	HM801UTP-E	HM901UTP-E	HM1101UTP-E	HM1101UTP-E
Facia Panel	RBC-	U32PGP-E	U32PGP-E	U32PGP-E	U32PGP-E	U32PGP-E
<b>Indoor Unit Retail Price (inc. Facia Panel)</b>		<b>£1,036</b>	<b>£1,113</b>	<b>£1,164</b>	<b>£1,214</b>	<b>£1,214</b>
Outdoor unit	RAV-	GM562ATP-E	GM802ATW-E	GM902ATW-E	GM1102ATW-E	GM1102AT8W-E
<b>Outdoor Unit Retail Price</b>		<b>£1,195</b>	<b>£1,607</b>	<b>£1,767</b>	<b>£2,191</b>	<b>£2,546</b>
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
<b>Controller Retail Price</b>		<b>£152</b>	<b>£152</b>	<b>£152</b>	<b>£152</b>	<b>£152</b>
<b>System Retail Price (inc. Facia Panel &amp; Controller)*</b>		<b>£2,383</b>	<b>£2,872</b>	<b>£3,083</b>	<b>£3,557</b>	<b>£3,912</b>

Rated Cooling Capacity	kW	5.0	6.7	8.0	9.5	9.5
Rated Heating Capacity	kW	5.3	7.7	8.6	11.2	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.84-4.62 - A++/A++	7.50-4.60 - A++/A++	7.50-4.60 - A++/A++	7.50-4.40 - A++/A+	7.15-4.29 - A++/A+
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	630 x 799 x 299	630 x 799 x 299	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	20 - 40	20 - 47	24 - 47	24 - 85	24 - 85
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 10 (3C+E)
Flare connections (gas - liquid)	inch	1/2 - 1/4	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	5/50 - 30
Chargeless Pipe Length	m	20	20	20	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/0.9/20	R32/1.9/35	R32/1.9/35	R32/2.4/35	R32/2.4/35

\* Other control options are available as accessories

RAV - CASSETTE



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**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**RAV Cassette - Digital Inverter - Series 2 (Continued)**

Indoor unit (4-way Cassette)	RAV-	HM1401UTP-E	HM1401UTP-E	HM1601UTP-E	HM1601UTP-E
Facia Panel	RBC-	U32PGP-E	U32PGP-E	U32PGP-E	U32PGP-E
<b>Indoor Unit Retail Price (inc. Facia Panel)</b>		<b>£1,242</b>	<b>£1,242</b>	<b>£1,328</b>	<b>£1,328</b>
Outdoor unit	RAV-	GM1402ATW-E	GM1402AT8W-E	GM1602ATW-E	GM1602AT8W-E
<b>Outdoor Unit Retail Price</b>		<b>£2,368</b>	<b>£2,752</b>	<b>£3,000</b>	<b>£3,334</b>
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
<b>Controller Retail Price</b>		<b>£152</b>	<b>£152</b>	<b>£152</b>	<b>£152</b>
<b>System Retail Price (inc. Facia Panel &amp; Controller)*</b>		<b>£3,762</b>	<b>£4,146</b>	<b>£4,480</b>	<b>£4,814</b>
<b>Rated Cooling Capacity</b>	kW	12.1	12.1	14.0	14.0
<b>Rated Heating Capacity</b>	kW	13.0	13.0	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.30-4.40 - 289.0/173.0	6.91-4.30 - 273.4/169.0	6.60-4.40 - 261.0/173.0	6.53-4.38 - 258.2/172.2
Dimensions (H x W x D) - ID	mm	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	24 - 85	24 - 85	24 - 88	24 - 85
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)
Flare 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	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless Pipe Length	m	30	30	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/2.4/35	R32/2.4/35	R32/2.4/35	R32/2.4/35

\* Other control options are available as accessories



# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



## RAV Ceiling type - Digital Inverter - Series 2

Indoor unit (Ceiling)	RAV-	HM401CTP-E	HM561CTP-E	HM801CTP-E	HM901CTP-E	HM1101CTP-E
Indoor Unit Retail Price		£805	£879	£1,040	£1,087	£1,134
Outdoor unit	RAV-	GM402ATP-E	GM562ATP-E	GM802ATW-E	GM902ATW-E	GM1102ATW-E
Outdoor Unit Retail Price		£986	£1,195	£1,607	£1,767	£2,191
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£1,943</b>	<b>£2,226</b>	<b>£2,799</b>	<b>£3,006</b>	<b>£3,477</b>

Rated Cooling Capacity	kW	3.6	5.0	6.9	8.0	9.5
Rated Heating Capacity	kW	4.0	5.3	7.7	8.6	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.20-5.13 - A++/A+++	6.00-4.34 - A+/A+	7.03-4.48 - A++/A+	7.03-4.60 - A++/A++	7.00-4.30 - A++/A+
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 950 x 690	235 x 1270 x 690	235 x 1586 x 690	235 x 1586 x 690
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	630 x 799 x 299	630 x 799 x 299	1050 x 1010 x 370
Weight ID - OD	kg	23 - 34	23 - 40	29 - 47	37 - 47	37 - 85
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 10 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	220/240-1-50 20 (3C+E)
Flare connections (gas - liquid)	inch	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Max Height Difference	m	2/20 - 10	5/30 - 30	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless Pipe Length	m	15	20	20	20	30
Refrigerant - Additional Charge	Type/kg/g	R32/0.9/20	R32/0.9/20	R32/1.9/35	R32/1.9/35	R32/2.4/35

\* Other control options are available as accessories



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**RAV Ceiling type - Digital Inverter - Series 2 (Continued)**

Indoor unit (Ceiling)	RAV-	HM1101CTP-E	HM1401CTP-E	HM1401CTP-E	HM1601CTP-E	HM1601CTP-E
Indoor Unit Retail Price		£1,134	£1,429	£1,429	£1,455	£1,455
Outdoor unit	RAV-	GM1102AT8W-E	GM1402ATW-E	GM1402AT8W-E	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,546	£2,368	£2,752	£3,000	£3,334
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,832</b>	<b>£3,949</b>	<b>£4,333</b>	<b>£4,607</b>	<b>£4,941</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>9.5</b>	<b>12.1</b>	<b>12.1</b>	<b>14.0</b>	<b>14.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>11.2</b>	<b>13.0</b>	<b>13.0</b>	<b>16.0</b>	<b>16.0</b>
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.46-4.29 - A++/A+	6.16-4.28 - 243.4/168.2	5.87-4.20 - 231.8/165	6.25-4.30 - 247/169	6.12-4.22 - 241.8/165.8
Dimensions (H x W x D) - ID	mm	235 x 1586 x 690	235 x 1586 x 690	235 x 1586 x 690	235 x 1586 x 690	235 x 1586 x 690
Dimensions (H x W x D) - OD	mm	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	37 - 85	37 - 85	37 - 85	37 - 88	37 - 85
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	380/415-3-50 10 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)
Flare connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Max Height Difference	m	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless Pipe Length	m	30	30	30	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/2.4/35	R32/2.4/35	R32/2.4/35	R32/2.4/35	R32/2.4/35

\* Other control options are available as accessories

# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



## RAV Slim Ducted - Digital Inverter - Series 2

<b>Indoor unit (Slim Ducted)</b>	<b>RAV-</b>	<b>HM301SDTY-E</b>	<b>HM401SDTY-E</b>	<b>HM561SDTY-E</b>	<b>HM801SDTY-E</b>
Indoor Unit Retail Price		£654	£668	£723	£809
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GM302ATP-E</b>	<b>GM402ATP-E</b>	<b>GM562ATP-E</b>	<b>GM802ATW-E</b>
Outdoor Unit Retail Price		£840	£986	£1,195	£1,607
<b>Controller</b>	<b>RBC-</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller) *</b>		<b>£1,646</b>	<b>£1,806</b>	<b>£2,070</b>	<b>£2,568</b>

<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>2.5</b>	<b>3.6</b>	<b>5.0</b>	<b>6.7</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>3.4</b>	<b>4.0</b>	<b>5.3</b>	<b>7.7</b>
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.41-4.35 - A++/A+	6.03-4.00 - A+/A+	5.80-4.00 - A+/A+	5.63-4.00 - A+/A+
Dimensions (H x W x D) - ID	mm	210 x 700 x 450	210 x 700 x 450	210 x 900 x 450	210 x 1100 x 450
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	630 x 799 x 299
Weight ID - OD	kg	15 - 29	15 - 34	19 - 40	22 - 47
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 10 (3C+E)	220/240-1-50 10 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 16 (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 - Max Height Difference	m	2/20 - 10	2/20 - 10	5/30 - 30	5/50 - 30
Chargeless Pipe Length	m	15	15	20	20
Refrigerant - Additional Charge	Type/kg/g	R32/0.6/20	R32/0.9/20	R32/0.9/20	R32/1.9/35

\* Other control options are available as accessories



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**RAV Standard Ducted - Digital Inverter - Series 2**

Indoor unit (Standard Ducted)	RAV-	HM561BTP-E	HM801BTP-E	HM901BTP-E	HM1101BTP-E	HM1101BTP-E
Indoor Unit Retail Price		£785	£1,013	£1,086	£1,158	£1,158
Outdoor unit	RAV-	GM562ATP-E	GM802ATW-E	GM902ATW-E	GM1102ATW-E	GM1102AT8W-E
Outdoor Unit Retail Price		£1,195	£1,607	£1,767	£2,191	£2,546
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£2,132</b>	<b>£2,772</b>	<b>£3,005</b>	<b>£3,501</b>	<b>£3,856</b>
Rated Cooling Capacity	kW	5.0	6.7	8.0	9.5	9.5
Rated Heating Capacity	kW	5.3	7.7	9.0	11.2	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.8 - 4.11 - A+/A+	6.37 - 4.3 - A++/A+	6.75 - 4.3 - A++/A+	6.4 - 4 - A++/A+	6 - 3.92 - A+/A
Dimensions (H x W x D) - ID	mm	275 x 700 x 750	275 x 1000 x 750	275 x 1400 x 750	275 x 1400 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	630 x 799 x 299	630 x 799 x 299	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	23 - 40	31 - 47	41 - 47	41 - 85	41 - 85
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	380/415-3-50 10 (3C+E)
Flare connections (gas - liquid)	inch	1/2 - 1/4	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	5/50 - 30
Chargeless Pipe Length	m	20	20	20	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/0.9/20	R32/1.9/35	R32/1.9/35	R32/2.4/35	R32/2.4/35

\* Other control options are available as accessories

# TOSHIBA

## RAV Standard Ducted - Digital Inverter - Series 2 (Continued)

Indoor unit (Standard Ducted)	RAV-	HM1401BTP-E	HM1401BTP-E	HM1601BTP-E	HM1601BTP-E
Indoor Unit Retail Price		£1,293	£1,293	£1,410	£1,410
Outdoor unit	RAV-	GM1402ATW-E	GM1402AT8W-E	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,368	£2,752	£3,000	£3,334
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,813</b>	<b>£4,197</b>	<b>£4,562</b>	<b>£4,896</b>

Rated Cooling Capacity	kW	12.1	12.1	14.0	14.0
Rated Heating Capacity	kW	13.0	13.0	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.15 - 3.92 - -/-	5.87 - 3.84 - -/-	5.9 - 4.05 - -/-	5.8 - 3.96 - -/-
Dimensions (H x W x D) - ID	mm	275 x 1400 x 750	275 x 1400 x 750	275 x 1400 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	41 - 85	41 - 85	41 - 88	41 - 85
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	380/415-3-50 10 (3C+E)	220/240-1-50 16 (3C+E)	380/415-3-50 10 (3C+E)
Flare 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	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless Pipe Length	m	30	30	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/2.4/35	R32/2.4/35	R32/2.4/35	R32/2.4/35

\* Other control options are available as accessories

# TOSHIBA

DIGITAL INVERTER



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**RAV Floor-Standing - Digital Inverter - Series 2**

Indoor Unit (Floor Standing)	RAV-	HM561FT-E	HM801FT-E	HM901FT-E	HM1101FT-E	HM1101FT-E
Indoor Unit Retail Price		£1,937	£2,076	£2,158	£2,239	£2,239
Outdoor Unit	RAV-	GM562ATP-E	GM802ATW-E	GM902ATW-E	GM1102ATW-E	GM1102AT8W-E
Outdoor Unit Retail Price		£1,195	£1,607	£1,767	£2,191	£2,546
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,284</b>	<b>£3,835</b>	<b>£4,077</b>	<b>£4,582</b>	<b>£4,937</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>5.0</b>	<b>6.7</b>	<b>8.0</b>	<b>9.5</b>	<b>9.5</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>5.3</b>	<b>7.7</b>	<b>8.6</b>	<b>11.2</b>	<b>11.2</b>
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.86-4.01 - A+/A+	5.53-4.00 - A/A+	6.24-4.00 - A++/A+	6.22-3.92 - A++/A	5.88-3.92 - A+/A
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 390	1750 x 600 x 390	1750 x 600 x 390
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	630 x 799 x 299	630 x 799 x 299	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	44 - 40	45 - 47	59 - 47	59 - 85	59 - 85
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 10 (3C+E)
Flare connections (gas - liquid)	inch	1/2 - 1/4	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	5/50 - 30
Chargeless Pipe Length	m	20	20	20	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/0.9/20	R32/1.9/35	R32/1.9/35	R32/2.4/35	R32/2.4/35

\* Other control options are available as accessories



## RAV Floor-Standing - Digital Inverter - Series 2 (Continued)

Indoor Unit (Floor Standing)	RAV-	HM1401FT-E	HM1401FT-E	HM1601FT-E	HM1601FT-E
Indoor Unit Retail Price		£2,349	£2,349	£2,463	£2,463
Outdoor Unit	RAV-	GM1402ATW-E	GM1402AT8W-E	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,368	£2,752	£3,000	£3,334
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£4,869</b>	<b>£5,253</b>	<b>£5,615</b>	<b>£5,949</b>

Rated Cooling Capacity	kW	12.1	12.1	14.0	14.0
Rated Heating Capacity	kW	13.0	13.0	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.53-3.90 - 218.2/153	5.35-3.90 - 211/153	5.20-3.90 - 205/153	5.15-3.82 - 203/149.8
Dimensions (H x W x D) - ID	mm	1750 x 600 x 390	1750 x 600 x 390	1750 x 600 x 390	1750 x 600 x 390
Dimensions (H x W x D) - OD	mm	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	59 - 85	59 - 85	59 - 88	59 - 85
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 32 (3C+E)	380/415-3-50 16 (3C+E)
Flare 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	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless Pipe Length	m	30	30	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/2.4/35	R32/2.4/35	R32/2.4/35	R32/2.4/35

\* Other control options are available as accessories



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**RAV Twin-Split High-Wall - Digital Inverter - Series 2**

Indoor unit x2	RAV-	HM561 KRTP-E	HM561 KRTP-E	HM801 KRTP-E
Indoor Unit Retail Price (Per Unit)		£553	£553	£597
Outdoor unit	RAV-	GM1102ATW-E	GM1102AT8W-E	GM1402ATW-E
Outdoor Unit Retail Price		£2,191	£2,546	£2,368
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,449</b>	<b>£3,804</b>	<b>£3,714</b>

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	6.3 - 4.2 - A++/A+	6.01 - 4.19 - A+/A+	5.97 - 4.2 - -/-
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	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	14 - 85	14 - 85	14 - 85
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 20 (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	R32/2.4/35 - 20	R32/2.4/35 - 20	R32/2.4/35 - 35

\* Other control options are available as accessories



# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



## RAV Twin-Split High-Wall - Digital Inverter - Series 2 (Continued)

Indoor unit x2	RAV-	HM801 KRTP-E	HM801 KRTP-E	HM801 KRTP-E
Indoor Unit Retail Price (Per Unit)		£597	£597	£597
Outdoor unit	RAV-	GM1402AT8W-E	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,752	£3,000	£3,334
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£4,098</b>	<b>£4,346</b>	<b>£4,680</b>

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	5.65 - 4.19 - -/-	5.66 - 4.2 - -/-	5.56 - 4.16 - -/-
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	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	14 - 85	14 - 85	14 - 88
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	380/415-3-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 16 (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	R32/2.4/35 - 35	R32/2.4/35 - 35	R32/2.4/35 - 35

\* Other control options are available as accessories

\*\* Branch Kit RBC-TWP101E (£225) not included, pipe connectors can be obtained locally



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DIGITAL INVERTER

**RAV Twin-Split Compact Cassette - Digital Inverter - Series 2**

Indoor unit x2	RAV-	HM561MUT-E	HM561MUT-E
Indoor Unit Retail Price (Per Unit)		£1,176	£1,176
Outdoor unit	RAV-	GM1102ATW-E	GM1102AT8W-E
Outdoor Unit Retail Price		£2,191	£2,546
Controller	RBC	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£4,695</b>	<b>£5,050</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>9.5</b>	<b>9.5</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>11.2</b>	<b>11.2</b>
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.7 - 4.1 - A++/A+	6.17 - 4.06 - 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	15 - 85	15 - 85
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 16 (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-TWP101E (£225) not included, pipe connectors can be obtained locally

\*\*\* See single split systems pages for cassette panel model reference.

# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



## RAV Twin-Split 4-Way Cassette - Digital Inverter - Series 2

Indoor unit x2	RAV-	HM561UTP-E	HM561UTP-E	HM801UTP-E	HM801UTP-E	HM801UTP-E	HM801UTP-E
Indoor Unit Retail Price (Per Unit)		£1,036	£1,036	£1,113	£1,113	£1,113	£1,113
Outdoor unit	RAV-	GM1102ATW-E	GM1102AT8W-E	GM1402ATW-E	GM1402AT8W-E	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,191	£2,546	£2,368	£2,752	£3,000	£3,334
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£4,415</b>	<b>£4,770</b>	<b>£4,746</b>	<b>£5,130</b>	<b>£5,378</b>	<b>£5,712</b>

Rated Cooling Capacity	kW	9.5	9.5	12.0	12.0	14.0	14.0
Rated Heating Capacity	kW	11.2	11.2	13.0	13.0	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.38 - 4.4 - A++/A+	7.03 - 4.29 - A++/A+	7.25 - 4.4 - -/-	6.86 - 4.3 - -/-	6.56 - 4.4 - -/-	6.49 - 4.38 - -/-
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	20 - 85	20 - 85	20 - 85	20 - 85	20 - 85	20 - 88
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 16 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 -3/8	5/8 -3/8	5/8 -3/8	5/8 -3/8	5/8 -3/8	5/8 -3/8
Min-Max Pipe Length / Max Height Difference	m	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless Pipe Length	m	30	30	30	30	30	30
Refrigerant - Additional Charge (main - sub)	Type/kg/g	R32/2.4/35 - 20	R32/2.4/35 - 20	R32/2.4/35 - 35	R32/2.4/35 - 35	R32/2.4/35 - 35	R32/2.4/35 - 35

\* Other control options are available as accessories

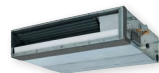
\*\* Branch Kit RBC-TWP101E (£225) not included, pipe connectors can be obtained locally

\*\*\* See single split systems pages for cassette panel model reference.



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**RAV Twin-Split Slim Ducted - Digital Inverter - Series 2**

Indoor unit x2	RAV-	HM561SDTY-E	HM561SDTY-E	HM801SDTY-E	HM801SDTY-E
Indoor Unit Retail Price (Per Unit)		£723	£723	£809	£809
Outdoor unit	RAV-	GM1102ATW-E	GM1102AT8W-E	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,191	£2,546	£3,000	£3,334
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,789</b>	<b>£4,144</b>	<b>£4,770</b>	<b>£5,104</b>

Rated Cooling Capacity	kW	9.5	9.5	12.0	12.0
Rated Heating Capacity	kW	11.2	11.2	13.0	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.04 - 3.91 - A+/A	5.63 - 3.90 - A+/A	5.15 - 3.84 - -/-	5.04 - 3.76 - -/-
Dimensions (H x W x D) - ID	mm	210 x 900 x 450	210 x 900 x 450	210 x 1100 x 450	210 x 1100 x 450
Dimensions (H x W x D) - OD	mm	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	19 - 85	19 - 85	22 - 85	22 - 88
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 16 (3C+E)
Flare 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	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless Pipe Length	m	30	30	30	30
Refrigerant - Additional Charge (main - sub)	Type/kg/g	R32/2.4/35 - 20	R32/2.4/35 - 20	R32/2.4/35 - 35	R32/2.4/35 - 35

\* Other control options are available as accessories

\*\* Branch Kit RBC-TWP101E (£225) not included, pipe connectors can be obtained locally

# TOSHIBA

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DIGITAL INVERTER



## RAV Twin-Split Ceiling - Digital Inverter - Series 2

Indoor unit x2	RAV-	HM561CTP-E	HM561CTP-E	HM801CTP-E
Indoor Unit Retail Price (Per Unit)		£879	£879	£1,040
Outdoor unit	RAV-	GM1102ATW-E	GM1102AT8W-E	GM1402ATW-E
Outdoor Unit Retail Price		£2,191	£2,546	£2,368
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£4,101</b>	<b>£4,456</b>	<b>£4,600</b>

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	6.89 - 4.3 - A++/A+	6.37 - 4.29 - A++/A+	6.11 - 4.28 - -/-
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	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	23 - 85	23 - 85	29 - 85
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 20 (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	R32/2.4/35 - 20	R32/2.4/35 - 20	R32/2.4/35 - 35

\* Other control options are available as accessories

\*\* Branch Kit RBC-TWP101E (£225) not included, pipe connectors can be obtained locally



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**RAV Twin-Split Ceiling - Digital Inverter - Series 2 (Continued)**

<b>Indoor unit x2</b>	<b>RAV-</b>	<b>HM801CTP-E</b>	<b>HM801CTP-E</b>	<b>HM801CTP-E</b>
Indoor Unit Retail Price (Per Unit)		£1,040	£1,040	£1,040
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GM1402AT8W-E</b>	<b>GM1602ATW-E</b>	<b>GM1602AT8W-E</b>
Outdoor Unit Retail Price		£2,752	£3,000	£3,334
<b>Controller</b>	<b>RBC-</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>
Controller Retail Price		£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£4,984</b>	<b>£5,232</b>	<b>£5,566</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>12.1</b>	<b>14.0</b>	<b>14.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>13.0</b>	<b>16.0</b>	<b>16.0</b>
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.83 - 4.2 - -/-	6.21 - 4.3 - -/-	6.08 - 4.22 - -/-
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	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	29 - 85	29 - 85	29 - 88
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	380/415-3-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 16 (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	R32/2.4/35 - 35	R32/2.4/35 - 35	R32/2.4/35 - 35

\* Other control options are available as accessories

\*\* Branch Kit RBC-TWP101E (£225) not included, pipe connectors can be obtained locally

# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



## RAV Twin-Split Standard Ducted - Digital Inverter - Series 2

Indoor unit x2	RAV-	HM561BTP-E	HM561BTP-E	HM801BTP-E	HM801BTP-E	HM801BTP-E	HM801BTP-E
Indoor Unit Retail Price (Per Unit)		£785	£785	£1,013	£1,013	£1,013	£1,013
Outdoor unit	RAV-	GM1102ATW-E	GM1102AT8W-E	GM1402ATW-E	GM1402AT8W-E	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,191	£2,546	£2,368	£2,752	£3,000	£3,334
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,913</b>	<b>£4,268</b>	<b>£4,546</b>	<b>£4,930</b>	<b>£5,178</b>	<b>£5,512</b>

Rated Cooling Capacity	kW	9.5	9.5	12.1	12.1	14.0	14.0
Rated Heating Capacity	kW	11.2	11.2	13.0	13.0	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.3 - 4 - A++/A+	5.91 - 3.92 - A+/A	6.1 - 3.92 - -/-	5.83 - 3.84 - -/-	5.86 - 4.05 - -/-	5.76 - 3.96 - -/-
Dimensions (H x W x D) - ID	mm	275 x 700 x 750	275 x 700 x 750	275 x 1000 x 750	275 x 1000 x 750	275 x 1000 x 750	275 x 1000 x 750
Dimensions (H x W x D) - OD	mm	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	23 - 85	23 - 85	31 - 85	31 - 85	31 - 85	31 - 88
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 16 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max Pipe Length / Max Height Difference	m	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless Pipe Length	m	30	30	30	30	30	30
Refrigerant - Additional Charge (main - sub)	Type/kg/g	R32/2.4/35 - 20	R32/2.4/35 - 20	R32/2.4/35 - 35	R32/2.4/35 - 35	R32/2.4/35 - 35	R32/2.4/35 - 35

\* Other control options are available as accessories

\*\* Branch Kit RBC-TWP101E (€225) not included, pipe connectors can be obtained locally

RAV - STANDARD DUCTED



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**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**RAV Twin-Split Floor-Standing - Digital Inverter - Series 2**

Indoor unit x2	RAV-	HM561FT-E	HM561FT-E	HM801FT-E	HM801FT-E	HM801FT-E	HM801FT-E
Indoor Unit Retail Price (Per Unit)		£1,937	£1,937	£2,076	£2,076	£2,076	£2,076
Outdoor unit	RAV-	GM1102ATW-E	GM1102AT8W-E	GM1402ATW-E	GM1402AT8W-E	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,191	£2,546	£2,368	£2,752	£3,000	£3,334
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£6,217</b>	<b>£6,572</b>	<b>£6,672</b>	<b>£7,056</b>	<b>£7,304</b>	<b>£7,638</b>

Rated Cooling Capacity	kW	9.5	9.5	12.1	12.1	12.1	12.1
Rated Heating Capacity	kW	11.2	11.2	13.0	13.0	13.0	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.1 - 3.92 - A++/A	5.77 - 3.92 - A+/A	5.46 - 3.9 - -/-	5.29 - 3.9 - -/-	5.15 - 3.9 - -/-	5.09 - 3.82 - -/-
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 210
Dimensions (H x W x D) - OD	mm	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	44 - 85	44 - 85	45 - 85	45 - 85	45 - 85	45 - 88
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 16 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 -3/8	5/8 -3/8	5/8 -3/8	5/8 -3/8	5/8 -3/8	5/8 -3/8
Min-Max Pipe Length / Max Height Difference	m	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless Pipe Length	m	30	30	30	30	30	30
Refrigerant - Additional Charge (main - sub)	Type/kg/g	R32/2.4/35 - 20	R32/2.4/35 - 20	R32/2.4/35 - 35	R32/2.4/35 - 35	R32/2.4/35 - 35	R32/2.4/35 - 35

\* Other control options are available as accessories

\*\* Branch Kit RBC-TWP101E (£225) not included, pipe connectors can be obtained locally

Power cable from header indoor to follower indoor = 2 core + earth

Please refer to installation manual for piping distances for minimum/maximum piping lengths to branch joint and indoor unit separations



# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



## RAV Triple-Split High-Wall - Digital Inverter - Series 2

<b>Indoor unit x3</b>	<b>RAV-</b>	<b>HM561KRTP-E</b>	<b>HM561KRTP-E</b>
Indoor Unit Retail Price (Per Unit)		£553	£553
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GM1602ATW-E</b>	<b>GM1602AT8W-E</b>
Outdoor Unit Retail Price		£3,000	£3,334
<b>Controller*</b>	<b>RBC-</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>
Controller Retail Price		£152	£152
<b>System Retail Price (inc. Controller)**</b>		<b>£5,095</b>	<b>£5,429</b>

<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>14.0</b>	<b>14.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>16.0</b>	<b>16.0</b>
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.63 - 4.19 - -/-	5.53 - 4.16 - -/-
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	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	14 - 85	14 - 88
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 16 (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 - 35	R32/2.4/35 - 35

\* Other control options are available as accessories

\*\* Branch kit RBC-TRP100E (£284) is included in the system price



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**RAV Triple-Split Compact Cassette - Digital Inverter - Series 2**

Indoor unit x3	RAV-	HM561MUT-E	HM561MUT-E
Indoor Unit Retail Price (Per Unit)		£1,176	£1,176
Outdoor unit	RAV-	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£3,000	£3,334
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152
<b>System Retail Price (inc. Controller)**</b>		<b>£6,964</b>	<b>£7,298</b>

Rated Cooling Capacity	kW	14.0	14.0
Rated Heating Capacity	kW	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.46 - 4.09 - -/-	5.37 - 4.06 - -/-
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	15 - 85	15 - 88
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 16 (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 - 35	R32/2.4/35 - 35

\* Other control options are available as accessories

\*\* See single split systems pages for cassette panel model reference.

Branch kit RBC-TRP100E (S284) is included in the system price

# TOSHIBA

## RAV Triple-Split 4-Way Cassette - Digital Inverter - Series 2

# TOSHIBA

DIGITAL INVERTER



Indoor unit x3	RAV-	HM561UTP-E	HM561UTP-E
Indoor Unit Retail Price (Per Unit)		£1,036	£1,036
Outdoor unit	RAV-	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£3,000	£3,334
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152
<b>System Retail Price (inc. Controller)**</b>		<b>£6,544</b>	<b>£6,878</b>

Rated Cooling Capacity	kW	14.0	14.0
Rated Heating Capacity	kW	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.51 - 4.4 - -/-	6.44 - 4.38 - -/-
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	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	20 - 85	20 - 88
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 16 (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 - 35	R32/2.4/35 - 35

\* Other control options are available as accessories.

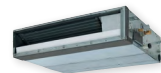
\*\* Branch kit RBC-TRP100E (£284) is included in the system price.

\*\*\* See single split systems pages for cassette panel model reference.



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**RAV Triple-Split Slim Ducted - Digital Inverter - Series 2**

Indoor unit x3	RAV-	HM561SDTY-E	HM561SDTY-E
Indoor Unit Retail Price (Per Unit)		£723	£723
Outdoor unit	RAV-	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£3,000	£3,334
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152
<b>System Retail Price (inc. Controller)**</b>		<b>£5,321</b>	<b>£5,655</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>14.0</b>	<b>14.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>16.0</b>	<b>16.0</b>
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.1 - 3.84 - -/-	4.99 - 3.75 - -/-
Dimensions (H x W x D) - ID	mm	210 x 900 x 450	210 x 900 x 450
Dimensions (H x W x D) - OD	mm	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	19 - 85	19 - 88
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 16 (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 - 35	R32/2.4/35 - 35

\* Other control options are available as accessories

\*\* Branch kitRBC-TRP100E (£284) is included in the system price

# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



## RAV Triple-Split Ceiling - Digital Inverter - Series 2

Indoor unit x3	RAV-	HM561CTP-E	HM561CTP-E
Indoor Unit Retail Price (Per Unit)		£879	£879
Outdoor unit	RAV-	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£3,000	£3,334
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152
<b>System Retail Price (inc. Controller)**</b>		<b>£6,073</b>	<b>£6,407</b>
Rated Cooling Capacity	kW	14.0	14.0
Rated Heating Capacity	kW	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.18 - 4.3 - -/-	6.05 - 4.22 - -/-
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	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	23 - 85	23 - 88
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 16 (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 - 35	R32/2.4/35 - 35

\* Other control options are available as accessories

\*\* Branch kitRBC-TRP100E (€284) is included in the system price



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**RAV Triple-Split Standard Ducted - Digital Inverter - Series 2**

Indoor unit x3	RAV-	HM561BTP-E	HM561BTP-E
Indoor Unit Retail Price (Per Unit)		£785	£785
Outdoor unit	RAV-	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£3,000	£3,334
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152
<b>System Retail Price (inc. Controller)**</b>		<b>£5,791</b>	<b>£6,125</b>
<b>Rated Cooling Capacity</b>	kW	14.0	14.0
<b>Rated Heating Capacity</b>	kW	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.83 - 4.05 - -/-	5.73 - 3.96 - -/-
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	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	23 - 85	23 - 88
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 16 (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 - 35	R32/2.4/35 - 35

\* Other control options are available as accessories

\*\* Branch kit RBC-TRP100E (£284) is included in the system price

# TOSHIBA

# TOSHIBA

DIGITAL INVERTER



## RAV Triple-Split Floor-Standing - Digital Inverter - Series 2

<b>Indoor unit x3</b>	<b>RAV-</b>	<b>HM561FT-E</b>	<b>HM561FT-E</b>
Indoor Unit Retail Price (Per Unit)		£1,937	£1,937
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GM1602ATW-E</b>	<b>GM1602AT8W-E</b>
Outdoor Unit Retail Price		£3,000	£3,334
<b>Controller*</b>	<b>RBC-</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>
Controller Retail Price		£152	£152
<b>System Retail Price (inc. Controller)**</b>		<b>£9,247</b>	<b>£9,581</b>

<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>20.0</b>	<b>20.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>22.4</b>	<b>22.4</b>
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.1 - 3.9 - -/-	5.05 - 3.82 - -/-
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	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	44 - 85	44 - 88
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 16 (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 - 35	R32/2.4/35 - 35

\* Other control options are available as accessories.

\*\* Branch kit RBC-TRP100E (£284) is included in the system price.

Power cable from header indoor to follower indoor = 2 core + earth.

Please refer to installation manual for piping distances for minimum/maximum piping lengths to branch joint and indoor unit separations.

**RAV - FLOOR STANDING**



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**TOSHIBA****TOSHIBA**

SUPER DIGITAL INVERTER

**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		£553	£597	£717	£717
Outdoor Unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,441	£2,096	£3,036	£3,213
<b>System Retail Price*</b>		<b>£1,994</b>	<b>£2,693</b>	<b>£3,753</b>	<b>£3,930</b>

Rated Cooling Capacity	kW	5.0	7.1	10.0	10.0
Rated Heating Capacity	kW	5.6	8.0	11.2	11.2
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+
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
Weight ID - OD	kg	14 - 45	14 - 74	19 - 104	19 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 10 (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 - 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

\* Standard wireless remote controller included in system price

\*\* Other control options are available as accessories



# TOSHIBA

**TOSHIBA**  
SUPER DIGITAL INVERTER



## RAV Smart Cassette - Super Digital Inverter - Series 1

Indoor unit (Cassette)	RAV-	HM561UT-E	HM801UT-E	HM1101UT-E	HM1401UT-E
Facia Panel	RBC-	U33P-E	U33P-E	U33P-E	U33P-E
<b>Indoor Unit Retail Price (inc. Facia Panel)</b>		<b>£1,271</b>	<b>£1,513</b>	<b>£1,548</b>	<b>£1,583</b>
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1401AT-E1
<b>Outdoor Unit Retail Price</b>		<b>£1,441</b>	<b>£2,096</b>	<b>£3,036</b>	<b>£3,333</b>
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
<b>Controller Retail Price</b>		<b>£152</b>	<b>£152</b>	<b>£152</b>	<b>£152</b>
<b>System Retail Price (inc. Facia Panel &amp; Controller)*</b>		<b>£2,864</b>	<b>£3,761</b>	<b>£4,736</b>	<b>£5,068</b>
Rated Cooling Capacity	kW	5.0	7.1	10.0	12.5
Rated Heating Capacity	kW	5.6	8.0	11.2	14.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.17-5.02 - A++/A++	9.72-5.54 - A+++/A+++	9.25-5.03 - A+++/A++	8.87-5.00 - 351.8/197.0
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	319 x 840 x 840	319 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	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	20 - 45	25 - 74	25 - 104	25 - 104
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	220/240-1-50 25 (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 - 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	R32/3.1/35

\* Other control options are available as accessories

**RAV - SMART CASSETTE**



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**TOSHIBA****TOSHIBA**

SUPER DIGITAL INVERTER

**RAV Compact Cassette - Super Digital Inverter - Series 1**

<b>Indoor unit (600x600 Cassette)</b>	<b>RAV-</b>	<b>HM561MUT-E</b>
<b>Facia Panel</b>	<b>RBC-</b>	<b>UM21PG(W)-E</b>
<b>Indoor Unit Retail Price (inc. Facia Panel)</b>		<b>£1,176</b>
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GP561ATW-E</b>
<b>Outdoor Unit Retail Price</b>		<b>£1,441</b>
<b>Controller</b>	<b>RBC-</b>	<b>AMSU52-E</b>
<b>Controller Retail Price</b>		<b>£152</b>
<b>System Retail Price (inc. Facia Panel &amp; Controller)*</b>		<b>£2,769</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>5.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>5.6</b>
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.27-4.32 - A++/A+
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
Weight ID - OD	kg	15 - 45
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)
Flare connections (gas - liquid)	inch	1/2 - 1/4
Min/Max Pipe Length - Max Height Difference	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

# TOSHIBA

# TOSHIBA

SUPER DIGITAL INVERTER



## RAV 4-Way Cassette - Super Digital Inverter - Series 1

Indoor unit (600x600 Cassette)	RAV-	HM561UTP-E	HM801UTP-E	HM1101UTP-E	HM1101UTP-E
Facia Panel	RBC-	U32PGP-E	U32PGP-E	U32PGP-E	U32PGP-E
<b>Indoor Unit Retail Price (inc. Facia Panel)</b>		<b>£1,036</b>	<b>£1,113</b>	<b>£1,214</b>	<b>£1,214</b>
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1101AT8-E
<b>Outdoor Unit Retail Price</b>		<b>£1,441</b>	<b>£2,096</b>	<b>£3,036</b>	<b>£3,213</b>
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
<b>Controller Retail Price</b>		<b>£152</b>	<b>£152</b>	<b>£152</b>	<b>£152</b>
<b>System Retail Price (inc. Facia Panel &amp; Controller)*</b>		<b>£2,629</b>	<b>£3,361</b>	<b>£4,402</b>	<b>£4,579</b>

Rated Cooling Capacity	kW	5.0	7.1	10.0	10.0
Rated Heating Capacity	kW	5.6	8.0	11.2	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.73-4.98 - A++/A++	8.96-5.24 - A+++/A+++	9.00-4.76 - A+++/A++	7.32-4.38 - A++/A+
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840	319 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	1550 x 1010 x 370	1340 x 900 x 320
Weight ID - OD	kg	20 - 45	20 - 74	24 - 104	24 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 10 (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 - 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

\* Other control options are available as accessories

RAV - 4-WAY CASSETTE



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**TOSHIBA****TOSHIBA**

SUPER DIGITAL INVERTER

**RAV 4-Way Cassette - Super Digital Inverter - Series 1 (Continued)**

Indoor unit (600x600 Cassette)	RAV-	HM1401UTP-E	HM1401UTP-E	HM1601UTP-E
Facia Panel	RBC-	U32PGP-E	U32PGP-E	U32PGP-E
<b>Indoor Unit Retail Price (inc. Facia Panel)</b>		<b>£1,242</b>	<b>£1,242</b>	<b>£1,328</b>
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
<b>Outdoor Unit Retail Price</b>		<b>£3,333</b>	<b>£3,355</b>	<b>£3,567</b>
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
<b>Controller Retail Price</b>		<b>£152</b>	<b>£152</b>	<b>£152</b>
<b>System Retail Price (inc. Facia Panel &amp; Controller)*</b>		<b>£4,727</b>	<b>£4,749</b>	<b>£5,047</b>
Rated Cooling Capacity	kW	12.5	12.5	14.0
Rated Heating Capacity	kW	14.0	14.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.59-4.75 - 340.6/187.0	7.35-4.38 - 291.0/172.2	6.99-4.38 - 276.6/172.2
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	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	24 - 104	24 - 95	24 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 25 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (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	3/75 - 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

\* Other control options are available as accessories

# TOSHIBA

# TOSHIBA

SUPER DIGITAL INVERTER



## RAV Ceiling Type - Super Digital Inverter - Series 1

<b>Indoor unit (Ceiling)</b>	<b>RAV-</b>	<b>HM561CTP-E</b>	<b>HM801CTP-E</b>	<b>HM1101CTP-E</b>	<b>HM1101CTP-E</b>
Indoor Unit Retail Price		£879	£1,040	£1,134	£1,134
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GP561ATW-E</b>	<b>GP801ATW-E</b>	<b>GP1101AT-E</b>	<b>GP1101AT8-E</b>
Outdoor Unit Retail Price		£1,441	£2,096	£3,036	£3,213
<b>Controller</b>	<b>RBC-</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£2,472</b>	<b>£3,288</b>	<b>£4,322</b>	<b>£4,499</b>

Rated Cooling Capacity	kW	5.0	7.1	10.0	10.0
Rated Heating Capacity	kW	5.6	8.0	11.2	11.2
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++	6.80-4.23 - A++/A+
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 1270 x 690	235 x 1586 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	1340 x 900 x 320
Weight ID - OD	kg	23 - 45	29 - 74	37 - 104	37 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 10 (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 - 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

\* Other control options are available as accessories



**TOSHIBA****TOSHIBA**

SUPER DIGITAL INVERTER

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

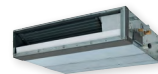
Indoor unit (Ceiling)	RAV-	HM1401CTP-E	HM1401CTP-E	HM1601CTP-E
Indoor Unit Retail Price		£1,429	£1,429	£1,455
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,333	£3,355	£3,567
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£4,914</b>	<b>£4,936</b>	<b>£5,174</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>12.5</b>	<b>12.5</b>	<b>14.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>14.0</b>	<b>14.0</b>	<b>16.0</b>
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.99-4.74 - 316.6/186.6	6.60-4.22 - 261.0/165.8	6.24-4.21 - 246.6/165.4
Dimensions (H x W x D) - ID	mm	235 x 1586 x690	235 x 1586 x690	235 x 1586 x690
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	37 - 104	37 - 95	37 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 25 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (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	3/75 - 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

\* Other control options are available as accessories

# TOSHIBA

# TOSHIBA

SUPER DIGITAL INVERTER



## RAV Slim Ducted - Super Digital Inverter - Series 1

Indoor unit (Slim Ducted)	RAV-	HM561SDTY-E	HM801SDTY-E
Indoor Unit Retail Price		£723	£809
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E
Outdoor Unit Retail Price		£1,441	£2,096
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£2,316</b>	<b>£3,057</b>
Rated Cooling Capacity	kW	5.0	7.1
Rated Heating Capacity	kW	5.6	8.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.15 - 4.23 - A++/A+	6.68 - 4.27 - A++/A+
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
Weight ID - OD	kg	15 - 45	15 - 74
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)
Flare connections (gas - liquid)	inch	1/2 - 1/4	5/8 - 3/8
Min/Max Pipe Length - Max Height Difference	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



**TOSHIBA****TOSHIBA**

SUPER DIGITAL INVERTER

**RAV Standard Ducted - Super Digital Inverter - Series 1**

Indoor unit (Standard Ducted)	RAV-	HM561BTP-E	HM801BTP-E	HM1101BTP-E	HM1101BTP-E
Indoor Unit Retail Price		£785	£1,013	£1,158	£1,158
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,441	£2,096	£3,036	£3,213
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£2,378</b>	<b>£3,261</b>	<b>£4,346</b>	<b>£4,523</b>

Rated Cooling Capacity	kW	5.0	7.1	10.0	10.0
Rated Heating Capacity	kW	5.6	8.0	11.2	11.2
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+	6.10-4.19 - A+/A+
Dimensions (H x W x D) - ID	mm	275 x 700 x 750	275 x 1000 x 750	275 x 1400 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	1340 x 900 x 320
Weight ID - OD	kg	23 - 45	30 - 74	40 - 104	40 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 10 (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 - 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

\* Other control options are available as accessories





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

Indoor unit (Standard Ducted)	RAV-	HM1401BTP-E	HM1401BTP-E	HM1601BTP-E
Indoor Unit Retail Price		£1,293	£1,293	£1,410
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,333	£3,355	£3,567
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£4,778</b>	<b>£4,800</b>	<b>£5,129</b>

Rated Cooling Capacity	kW	12.5	12.5	14.0
Rated Heating Capacity	kW	14.0	14.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.77-4.29 - 267.8/168.6	6.03-3.99 - 238.2/156.6	5.82-3.96 - 229.8/155.4
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	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	40 - 104	40 - 95	40 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 25 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (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	3/75 - 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

\* Other control options are available as accessories



**TOSHIBA****TOSHIBA**

SUPER DIGITAL INVERTER

**RAV Floor - Standing - Super Digital Inverter - Series 1**

Indoor unit (Floor - Standing)	RAV-	HM561FT-E	HM801FT-E	HM1101FT-E	HM1101FT-E
Indoor Unit Retail Price		£1,937	£2,076	£2,239	£2,239
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,441	£2,096	£3,036	£3,213
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,530</b>	<b>£4,324</b>	<b>£5,427</b>	<b>£5,604</b>

Rated Cooling Capacity	kW	5.0	7.1	10.0	10.0
Rated Heating Capacity	kW	5.6	8.0	11.2	11.2
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+	6.14-4.02 - A++/A+
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 390	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	1340 x 900 x 320
Weight ID - OD	kg	44 - 45	45 - 74	59 - 104	59 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 10 (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 - 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

\* Other control options are available as accessories



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

Indoor unit (Floor-Standing)	RAV-	HM1401FT-E	HM1401FT-E	HM1601FT-E
Indoor Unit Retail Price		£2,349	£2,349	£2,463
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,333	£3,355	£3,567
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£5,834</b>	<b>£5,856</b>	<b>£6,182</b>

Rated Cooling Capacity	kW	12.3	12.5	14.0
Rated Heating Capacity	kW	13.2	14.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.49-4.38 - 256.6/172.2	6.10-4.02 - 241.0/157.8	5.88-3.98 - 232.2/156.2
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	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	59 - 104	59 - 95	59 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 25 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (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	3/75 - 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

\* Other control options are available as accessories



**TOSHIBA****TOSHIBA**

SUPER DIGITAL INVERTER

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

Indoor unit x2	RAV-	HM301KRTP-E	HM401KRTP-E	HM561KRTP-E	HM561KRTP-E
Indoor Unit Retail Price (Per Unit)		£413	£449	£553	£553
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,441	£2,096	£3,036	£3,213
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£2,419</b>	<b>£3,146</b>	<b>£4,294</b>	<b>£4,471</b>

Rated Cooling Capacity	kW	5.0	6.7	9.5	9.5
Rated Heating Capacity	kW	5.3	7.7	11.2	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+	6.57-4.16 - 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	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	1340 x 900 x 320
Weight ID - OD	kg	10 - 45	10 - 74	14 - 104	14 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 10 (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 / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless Pipe Length	m	20	30	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	R32/2.6/40-20

\* Other control options are available as accessories

\*\* Branch Kit RBC-TWP101E (£225) not included, pipe connectors can be obtained locally

# TOSHIBA

# TOSHIBA

SUPER DIGITAL INVERTER



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

Indoor unit x2	RAV-	HM801KRTP-E	HM801KRTP-E	HM801KRTP-E
Indoor Unit Retail Price (Per Unit)		£597	£597	£597
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,333	£3,355	£3,567
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£4,679</b>	<b>£4,701</b>	<b>£4,913</b>

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	7.10-4.40 - 281.0-173.0	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	320 x 1050 x 250
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	14 - 104	14 - 95	14 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 25 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (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-TWP101E (£225) not included, pipe connectors can be obtained locally

RAV - HIGH - WALL



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**TOSHIBA****TOSHIBA**

SUPER DIGITAL INVERTER

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

Indoor unit x2	RAV-	HM301MUT-E	HM401MUT-E	HM561MUT-E	HM561MUT-E
Indoor Unit Retail Price (Per Unit)		£1,150	£1,158	£1,176	£1,176
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,441	£2,096	£3,036	£3,213
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,893</b>	<b>£4,564</b>	<b>£5,540</b>	<b>£5,717</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>5.0</b>	<b>6.7</b>	<b>9.5</b>	<b>9.5</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>5.3</b>	<b>7.7</b>	<b>11.2</b>	<b>11.2</b>
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.27-4.32 - A+++-A+	7.91-4.87 - A+++-A++	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	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	1050 x 1010 x 370	1050 x 1010 x 370	1550 x 1010 x 370	1340 x 900 x 320
Weight ID - OD	kg	15 - 74	15 - 74	15 - 104	15 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 10 (3C+E)
Flare 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	3 - 50/30	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless Pipe Length	m	30	30	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	R32/2.6/40-20

\* Other control options are available as accessories

\*\* Branch Kit RBC-TWP101E (£225) not included, pipe connectors can be obtained locally

\*\*\* See single split systems pages for cassette panel model reference.

# TOSHIBA

**TOSHIBA**  
SUPER DIGITAL INVERTER



## RAV Twin-Split 4-Way Cassette - Super Digital Inverter - Series 1

Indoor unit x2	RAV-	HM561UTP-E	HM561UTP-E	HM801UTP-E	HM801UTP-E	HM801UTP-E
Indoor Unit Retail Price (Per Unit)		£1,036	£1,036	£1,113	£1,113	£1,113
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,036	£3,213	£3,333	£3,355	£3,567
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£5,260</b>	<b>£5,437</b>	<b>£5,711</b>	<b>£5,733</b>	<b>£5,945</b>

Rated Cooling Capacity	kW	9.5	9.5	12.0	12.0	14.0
Rated Heating Capacity	kW	11.2	11.2	13.0	13.0	16.0
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+	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	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	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	20 - 104	20 - 104	20 - 95	20 - 95	20 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 10 (3C+E)	220/240-1-50 25 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	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	3 - 50/30	3 - 50/30
Chargeless Pipe Length	m	30	30	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	R32/2.6/40-40	R32/2.6/40-40

\* Other control options are available as accessories

\*\* Branch Kit RBC-TWP101E (£225) not included, pipe connectors can be obtained locally

\*\*\* See single split systems pages for cassette panel model reference.

**RAV - 4-WAY CASSETTE**



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**TOSHIBA****TOSHIBA**

SUPER DIGITAL INVERTER

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

Indoor unit x2	RAV-	HM401SDTY-E	HM561SDTY-E	HM561SDTY-E	HM801SDTY-E
Indoor Unit Retail Price (Per Unit)		£668	£723	£723	£809
Outdoor unit	RAV-	GP801ATW-E	GP1101AT-E	GP1101AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£2,096	£3,036	£3,213	£3,567
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,584</b>	<b>£4,634</b>	<b>£4,811</b>	<b>£5,337</b>

Rated Cooling Capacity	kW	7.1	10.0	10.0	14.0
Rated Heating Capacity	kW	8.0	11.2	11.2	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.50 - 4.26 - A++/A+	6.80 - 4.02 - A++/A+	5.66 - 3.90 - A+/A	5.79 - 4.10 - *
Dimensions (H x W x D) - ID	mm	210 x 700 x 450	210 x 900 x 450	210 x 900 x 450	210 x 1100 x 450
Dimensions (H x W x D) - OD	mm	1050 x 1010 x 370	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	15 - 74	19 - 104	19 - 95	22 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 10 (3C+E)	380/415-3-50 16 (3C+E)
Flare 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	3 - 50/30	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless Pipe Length	m	30	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	R32/2.6/40-40

\* Other control options are available as accessories

\*\* Branch Kit RBC-TWP101E (£225) not included, pipe connectors can be obtained locally

\*\*\* See single split systems pages for cassette panel model reference.



# TOSHIBA

# TOSHIBA

SUPER DIGITAL INVERTER



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

Indoor unit x2	RAV-	HM401CTP-E	HM561CTP-E	HM561CTP-E	HM801CTP-E	HM801CTP-E	HM801CTP-E
Indoor Unit Retail Price (Per Unit)		£805	£879	£879	£1,040	£1,040	£1,040
Outdoor unit	RAV-	GP801ATW-E	GP1101AT-E	GP1101AT8-E	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£2,096	£3,036	£3,213	£3,333	£3,355	£3,567
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£3,858</b>	<b>£4,946</b>	<b>£5,123</b>	<b>£5,565</b>	<b>£5,587</b>	<b>£5,799</b>

Rated Cooling Capacity	kW	6.9	9.5	9.5	12.1	12.1	14.0
Rated Heating Capacity	kW	7.7	11.2	11.2	13.0	13.0	16.0
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+	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 950 x 690	235 x 950 x 690	235 x 950 x 690	235 x 1270 x 690	235 x 1270 x 690	235 x 1270 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	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	23 - 74	23 - 104	23 - 95	29 - 104	29 - 95	29 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 20 (3C+E)	380/415-3-50 10 (3C+E)	220/240-1-50 25 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	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	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless Pipe Length	m	30	30	30	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	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-TWP101E (£225) not included, pipe connectors can be obtained locally

RAV - CEILING



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**TOSHIBA****TOSHIBA**

SUPER DIGITAL INVERTER

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

Indoor unit x2	RAV-	HM561BTP-E	HM561BTP-E	HM801BTP-E	HM801BTP-E	HM801BTP-E
Indoor Unit Retail Price (Per Unit)		£785	£785	£1,013	£1,013	£1,013
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,036	£3,213	£3,333	£3,355	£3,567
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£4,758</b>	<b>£4,935</b>	<b>£5,511</b>	<b>£5,533</b>	<b>£5,745</b>

Rated Cooling Capacity	kW	9.5	9.5	12.1	12.1	14.0
Rated Heating Capacity	kW	11.2	11.2	13.0	13.0	16.0
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	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 700 x 750	275 x 700 x 750	275 x 1000 x 750	275 x 1000 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	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	23 - 104	23 - 95	30 - 104	30 - 95	30 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 10 (3C+E)	220/240-1-50 25 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	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	3 - 50/30	3 - 50/30
Chargeless Pipe Length	m	30	30	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	R32/2.6/40-40	R32/2.6/40-40

\* Other control options are available as accessories

\*\* Branch Kit RBC-TWP101E (£225) not included, pipe connectors can be obtained locally

# TOSHIBA

# TOSHIBA

SUPER DIGITAL INVERTER



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

Indoor unit x2	RAV-	HM561FT-E	HM561FT-E	HM801FT-E	HM801FT-E	HM801FT-E
Indoor Unit Retail Price (Per Unit)		£1,937	£1,937	£2,076	£2,076	£2,076
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,036	£3,213	£3,333	£3,355	£3,567
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)*</b>		<b>£7,062</b>	<b>£7,239</b>	<b>£7,637</b>	<b>£7,659</b>	<b>£7,871</b>

Rated Cooling Capacity	kW	9.5	9.5	12.1	12.1	12.1
Rated Heating Capacity	kW	11.2	11.2	13.0	13.0	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+	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	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	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	44 - 104	45 - 104	44 - 95	45 - 95	45 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 10 (3C+E)	220/240-1-50 25 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	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	3 - 50/30	3 - 50/30
Chargeless Pipe Length	m	30	30	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	R32/2.6/40-40	R32/2.6/40-40

\* Other control options are available as accessories

\*\* Branch Kit RBC-TWP101E (£225) not included, pipe connectors can be obtained locally

Power cable from header indoor to follower indoor = 2 core + earth

Please refer to installation manual for piping distances for minimum/maximum piping lengths to branch joint and indoor unit separations

RAV - FLOOR STANDING



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# TOSHIBA

# TOSHIBA

SUPER DIGITAL INVERTER



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

Indoor unit x3	RAV-	HM301KRTP-E	HM301KRTP-E	HM401KRTP-E	HM401KRTP-E	HM561KRTP-E
Indoor Unit Retail Price (Per Unit)		£413	£413	£449	£449	£553
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,036	£3,213	£3,333	£3,355	£3,567
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)**</b>		<b>£4,711</b>	<b>£4,888</b>	<b>£5,116</b>	<b>£5,138</b>	<b>£5,662</b>

Rated Cooling Capacity	kW	9.5	9.5	12.1	12.0	14.0
Rated Heating Capacity	kW	11.2	11.2	13.0	13.0	16.0
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	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	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	10 - 104	10 - 95	10 - 104	10 - 95	14 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	380/415-3-50 10 (3C+E)	220/240-1-50 25 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	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	3 - 50/30	3 - 50/30
Chargeless Pipe Length	m	30	30	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	R32/2.6/40-20	R32/2.6/40-20

\* Other control options are available as accessories

\*\* Branch kit RBC-TRP100E (£284) is included in the system price

# TOSHIBA

# TOSHIBA

SUPER DIGITAL INVERTER



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

Indoor unit x3	RAV-	HM301MUT-E	HM301MUT-E	HM401MUT-E	HM401MUT-E	HM561MUT-E
Indoor Unit Retail Price (Per Unit)		£1,150	£1,150	£1,158	£1,158	£1,176
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,036	£3,213	£3,333	£3,355	£3,567
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152	£152	£152
<b>System Retail Price (inc. Controller)**</b>		<b>£6,922</b>	<b>£7,099</b>	<b>£7,243</b>	<b>£7,265</b>	<b>£7,531</b>

Rated Cooling Capacity	kW	9.5	9.5	12.0	12.0	14.0
Rated Heating Capacity	kW	11.2	11.2	12.8	12.8	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.93-4.42 - A++-A+	6.32-3.94 - A++-A	*/-	*/-	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	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	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	15 - 104	15 - 95	15 - 104	15 - 95	15 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 20 (3C+E)	220/240-1-50 25 (3C+E)	380/415-3-50 10 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (3C+E)
Flare connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	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	3 - 50/30	3 - 50/30
Chargeless Pipe Length	m	30	30	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	R32/2.6/40-20	R32/2.6/40-20

\* Other control options are available as accessories.

\*\* Branch kit RBC-TRP100E (£284) is included in the system price.

\*\*\* See single split systems pages for cassette panel model reference.

RAV - COMPACT CASSETTE



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**TOSHIBA****TOSHIBA**

SUPER DIGITAL INVERTER

**RAV Triple-Split 4-Way Cassette - Super Digital Inverter - Series 1**

<b>Indoor unit x3</b>	<b>RAV-</b>	<b>HM561UTP-E</b>
Indoor Unit Retail Price (Per Unit)		£1,036
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GP1601AT8-E</b>
Outdoor Unit Retail Price		£3,567
<b>Controller*</b>	<b>RBC-</b>	<b>AMSU52-E</b>
Controller Retail Price		£152
<b>System Retail Price (inc. Controller)**</b>		<b>£7,111</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>14.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>16.0</b>
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 Supply OD & Interconnecting Cable	V-ph-Hz-A	380/415-3-50 16 (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.

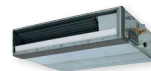
\*\* Branch kit RBC-TRP100E (£284) is included in the system price.

\*\*\* See single split systems pages for cassette panel model reference.

# TOSHIBA

# TOSHIBA

SUPER DIGITAL INVERTER



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

<b>Indoor unit x3</b>	<b>RAV-</b>	<b>HM561SDTY-E</b>
Indoor Unit Retail Price (Per Unit)		£723
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GP1601AT8-E</b>
Outdoor Unit Retail Price		£3,567
<b>Controller*</b>	<b>RBC-</b>	<b>AMSU52-E</b>
Controller Retail Price		£152
<b>System Retail Price (inc. Controller)**</b>		<b>£5,888</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>14.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>16.0</b>
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.19 - 4.09 - *
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 Supply OD & Interconnecting Cable	V-ph-Hz-A	380/415-3-50 16 (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 (£284) is included in the system price



**TOSHIBA****TOSHIBA**

SUPER DIGITAL INVERTER

**RAV Triple-Split Ceiling - Super Digital Inverter - Series 1**

Indoor unit x3	RAV-	HM401CTP-E	HM401CTP-E	HM561CTP-E
Indoor Unit Retail Price (Per Unit)		£805	£805	£879
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,333	£3,355	£3,567
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152
<b>System Retail Price (inc. Controller)**</b>		<b>£6,184</b>	<b>£6,206</b>	<b>£6,640</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>12.1</b>	<b>12.1</b>	<b>14.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>12.8</b>	<b>12.8</b>	<b>16.0</b>
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 Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 25 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (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 (£284) is included in the system price



# TOSHIBA

# TOSHIBA

SUPER DIGITAL INVERTER



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

<b>Indoor unit x3</b>	<b>RAV-</b>	<b>HM561BTP-E</b>
Indoor Unit Retail Price (Per Unit)		£785
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GP1601AT8-E</b>
Outdoor Unit Retail Price		£3,567
<b>Controller*</b>	<b>RBC-</b>	<b>AMSU52-E</b>
Controller Retail Price		£152
<b>System Retail Price (inc. Controller)**</b>		<b>£6,358</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>14.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>16.0</b>
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 Supply OD & Interconnecting Cable	V-ph-Hz-A	380/415-3-50 16 (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 (€284) is included in the system price

RAV - STANDARD DUCTED



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**TOSHIBA****TOSHIBA**

SUPER DIGITAL INVERTER

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

<b>Indoor unit x3</b>	<b>RAV-</b>	<b>HM561FT-E</b>
Indoor Unit Retail Price (Per Unit)		£1,937
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GP1601AT8-E</b>
Outdoor Unit Retail Price		£3,567
<b>Controller*</b>	<b>RBC-</b>	<b>AMSU52-E</b>
Controller Retail Price		£152
<b>System Retail Price (inc. Controller)**</b>		<b>£9,814</b>

<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>20.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>22.4</b>
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 Supply OD & Interconnecting Cable	V-ph-Hz-A	380/415-3-50 16 (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 (£284) is included in the system price.

Power cable from header indoor to follower indoor = 2 core + earth.

Please refer to installation manual for piping distances for minimum/maximum piping lengths to branch joint and indoor unit separations.

# TOSHIBA

**TOSHIBA**  
SUPER DIGITAL INVERTER



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

<b>Indoor unit x4</b>	<b>RAV-</b>	<b>HM301KRTP-E</b>	<b>HM301KRTP-E</b>	<b>HM401KRTP-E</b>
Indoor Unit Retail Price (Per Unit)		£413	£413	£449
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GP1401AT-E1</b>	<b>GP1401AT8-E</b>	<b>GP1601AT8-E</b>
Outdoor Unit Retail Price		£3,333	£3,355	£3,567
<b>Controller*</b>	<b>RBC-</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>	<b>AMSU52-E</b>
Controller Retail Price		£152	£152	£152
<b>System Retail Price (inc. Controller)**</b>		<b>£5,137</b>	<b>£5,159</b>	<b>£5,515</b>

<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>12.1</b>	<b>12.1</b>	<b>14.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>13.0</b>	<b>13.0</b>	<b>16.0</b>
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 Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 25 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (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 -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-DTWP101E (€303) not included, pipe connectors can be obtained locally



**TOSHIBA****TOSHIBA**

SUPER DIGITAL INVERTER

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

Indoor unit x4	RAV-	HM301MUT-E	HM301MUT-E	HM401MUT-E
Indoor Unit Retail Price (Per Unit)		£1,150	£1,150	£1,158
Outdoor unit	RAV-	GP1401ATE1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,333	£3,355	£3,567
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£152	£152	£152
<b>System Retail Price (inc. Controller)**</b>		<b>£8,085</b>	<b>£8,107</b>	<b>£8,351</b>

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	15 - 104	15 - 95	15 - 95
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 25 (3C+E)	380/415-3-50 16 (3C+E)	380/415-3-50 16 (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 -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-DTWP101E (£303) not included, pipe connectors can be obtained locally.

\*\*\* See single split systems pages for cassette panel model reference.

# TOSHIBA

**TOSHIBA**  
SUPER DIGITAL INVERTER



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

<b>Indoor unit x4</b>	<b>RAV-</b>	<b>HM401CTP-E</b>
Indoor Unit Retail Price (Per Unit)		£805
<b>Outdoor unit</b>	<b>RAV-</b>	<b>GP1601AT8-E</b>
Outdoor Unit Retail Price		£3,567
<b>Controller*</b>	<b>RBC-</b>	<b>AMSU52-E</b>
Controller Retail Price		£152
<b>System Retail Price (inc. Controller)**</b>		<b>£6,939</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>14.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>16.0</b>
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 Supply OD & Interconnecting Cable	V-ph-Hz-A	380/415-3-50 16 (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 -sub)	Type/kg/g	R32/2.6/40-20-20

\* Other control options are available as accessories.

\*\* Branch kit RBC-DTWP101E (£303) not included, pipe connectors can be obtained locally.

Power cable from header indoor to follower indoor = 2 core + earth.

Please refer to installation manual for piping distances for minimum/maximum piping lengths to branch joint and indoor unit separations.

**RAV - CEILING**



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# TOSHIBA

**TOSHIBA**
DIGITAL INVERTER CLASSIC


## RBC-AHU1 Air Handling Unit Applications Digital Inverter Classic

<b>Outdoor Unit</b>	<b>RAV-</b>	<b>GV561ATP-E</b>	<b>GV801ATP-E</b>	<b>GV1101ATP-E</b>	<b>GV1101AT8P-E</b>
<b>Outdoor Unit Retail Price</b>		<b>£965</b>	<b>£1,237</b>	<b>£1,476</b>	<b>£1,846</b>
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 Supply	V-ph-Hz-A	220/240-1-50 16	220/240-1-50 16	220/240-1-50 20	380/415-3-50 10
<b>Control Panel</b>	<b>RBC-</b>	<b>AHU1</b>	<b>AHU1</b>	<b>AHU1</b>	<b>AHU1</b>
<b>Control Panel Retail Price</b>		<b>£550</b>	<b>£550</b>	<b>£550</b>	<b>£550</b>
Dimensions (HxWxD)	mm	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150
Weight	kg	10	10	10	10
Power Supply	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
<b>Cooling</b>	<b>kW</b>	<b>5.6</b>	<b>8.0</b>	<b>11.2</b>	<b>11.2</b>
<b>Heating</b>	<b>kW</b>	<b>6.3</b>	<b>9.0</b>	<b>13.0</b>	<b>13.0</b>
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
<b>Outdoor Unit Retail Price</b>		<b>£1,814</b>	<b>£1,945</b>	<b>£2,094</b>	<b>£2,414</b>
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 Supply	V-ph-Hz-A	220/240-1-50 32	380/415-3-50 16	220/240-1-50 32	380/415-3-50 16
<b>Control Panel</b>	<b>RBC-</b>	<b>AHU1</b>	<b>AHU1</b>	<b>AHU1</b>	<b>AHU1</b>
<b>Control Panel Retail Price</b>		<b>£550</b>	<b>£550</b>	<b>£550</b>	<b>£550</b>
Dimensions (HxWxD)	mm	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150
Weight	kg	10	10	10	10
Power Supply	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
<b>Cooling</b>	<b>kW</b>	<b>13.2</b>	<b>13.2</b>	<b>13.2</b>	<b>13.2</b>
<b>Heating</b>	<b>kW</b>	<b>16.0</b>	<b>13.0</b>	<b>13.0</b>	<b>13.0</b>
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-E	GM801ATP-E	GM901ATP-E
<b>Outdoor Unit Retail Price</b>		<b>£762</b>	<b>£913</b>	<b>£1,087</b>	<b>£1,435</b>	<b>£1,585</b>
Sound Pressure Level C/H	dB(A)	46/47	49/50	46/48	48/52	51/55
Gas Side - Liquid Side	inch	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min.-Max. Length	m	2 - 20 / ±10	2 - 20 / ±10	5 - 30 / ±30	5 - 30 / ±30	5 - 30 / ±30
Base Charge/Chargeless To	Type/kg/m	R32/0.63/15 - 20	R32/0.9/15 - 20	R32/0.9/20 - 20	R32/1.3/20 - 35	R32/2.0/20 - 35
Dimensions (HxWxD)	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300
Total Weight	kg	29	34	40	44	47
Suggested Power Supply	V-ph-Hz-A	220/240-1-50 10	220/240-1-50 10	220/240-1-50 16	220/240-1-50 16	220/240-1-50 20
Control Panel	RBC-	AHU1	AHU1	AHU1	AHU1	AHU1
<b>Control Panel Retail Price</b>		<b>£550</b>	<b>£550</b>	<b>£550</b>	<b>£550</b>	<b>£550</b>
Dimensions (HxWxD)	mm	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150
Weight	kg	10	10	10	10	10
Power Supply	V-ph-Hz-A	220/240-1-50- 6	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	AHU DX Coil
<b>Cooling</b>	<b>kW</b>	<b>2.5</b>	<b>3.6</b>	<b>5.6</b>	<b>8.0</b>	<b>8.0</b>
<b>Heating</b>	<b>kW</b>	<b>3.4</b>	<b>4.0</b>	<b>6.3</b>	<b>9.0</b>	<b>9.0</b>
Air Volume Min - Max	m3/h	480 - 720	480 - 880	480 - 1100	700 - 1500	700 - 1500
Coil Pipe Diameter	mm - "	9.52 - 3/8	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	4 - 7
Suction Superheat (Target)	K	5	5	5	5	5

\* Follow installation guidance for A2L refrigerant





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

Outdoor Unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E	GM1401AT8P-E	GM1601ATP-E
<b>Outdoor Unit Retail Price</b>		<b>£1,891</b>	<b>£2,183</b>	<b>£1,993</b>	<b>£2,300</b>	<b>£2,681</b>
Sound Pressure Level C/H	dB(A)	54/57	54/57	55/57	55/57	53/55
Gas Side - Liquid Side	inch	5/8 - 3/8	5/8 - 3/8	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	5 - 50 / ±30	5 - 50 / ±30
Base Charge/Chargeless To	Type/kg/m	R32/2.1/30 - 35	R32/2.1/30 - 35	R32/2.1/30 - 35	R32/2.1/30 - 35	R32/2.4/30 - 35
Dimensions (HxWxD)	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320
Total Weight	kg	68	69	68	69	95
Suggested Power Supply	V-ph-Hz-A	220/240-1-50 20	380/415-3-50 10	220/240-1-50 32	380/415-3-50 16	220/240-1-50 32
<b>Control Panel</b>	<b>RBC-</b>	<b>AHU1</b>	<b>AHU1</b>	<b>AHU1</b>	<b>AHU1</b>	<b>AHU1</b>
<b>Control Panel Retail Price</b>		<b>£550</b>	<b>£550</b>	<b>£550</b>	<b>£550</b>	<b>£550</b>
Dimensions (HxWxD)	mm	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150
Weight	kg	10	10	10	10	10
Power Supply	V-ph-Hz-A	220/240-1-50- 6	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	AHU DX Coil
<b>Cooling</b>	<b>kW</b>	<b>11.2</b>	<b>11.2</b>	<b>13.2</b>	<b>13.2</b>	<b>13.2</b>
<b>Heating</b>	<b>kW</b>	<b>13.0</b>	<b>13.0</b>	<b>16.0</b>	<b>13.0</b>	<b>13.0</b>
Air Volume Min - Max	m3/h	1260 - 2500	1260 - 2500	1260 - 2750	1260 - 2750	1260 - 3000
Coil Pipe Diameter	mm - "	9.52 - 3/8	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	4 - 7
Suction Superheat (Target)	K	5	5	5	5	5

\* Follow installation guidance for A2L refrigerant

# TOSHIBA



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

<b>Outdoor Unit</b>	<b>RAV-</b>	<b>GM1601AT8P-E</b>	<b>GM2241AT8-E1</b>	<b>GM2801AT8-E1</b>
<b>Outdoor Unit Retail Price</b>		<b>£2,976</b>	<b>£5,246</b>	<b>£5,255</b>
Sound Pressure Level C/H	dB(A)	53/55	58/60	61/63
Gas Side - Liquid Side	inch	5/8 - 3/8	1-1/8 - 1/2	1-1/8 - 1/2
Min.-Max. Length	m	5 - 50 / ±30	5-100 / ±30	5-100 / ±30
Base Charge/Chargeless To	Type/kg/m	R32/2.4/30 - 35	R32/5.0/30 - 80	R32/5.0/30 - 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 Supply	V-ph-Hz-A	380/415-3-50 16	380/415-3-50 16	380/415-3-50 20
<b>Control Panel</b>	<b>RBC-</b>	<b>AHU1</b>	<b>AHU1</b>	<b>AHU1</b>
<b>Control Panel Retail Price</b>		<b>£550</b>	<b>£550</b>	<b>£550</b>
Dimensions (HxWxD)	mm	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150
Weight	kg	10	10	10
Power Supply	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
<b>Cooling</b>	<b>kW</b>	<b>13.2</b>	<b>22.4</b>	<b>27.0</b>
<b>Heating</b>	<b>kW</b>	<b>13.0</b>	<b>25.0</b>	<b>31.5</b>
Air Volume Min - Max	m3/h	1260 - 3000	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	5	5	5

\* Follow installation guidance for A2L refrigerant



## RBC-AHU1 Air Handling Unit Applications Super Digital Inverter

Outdoor Unit	RAV-	GP561ATP-E	GP801AT-E	GP1101AT-E	GP1101AT8-E
<b>Outdoor Unit Retail Price</b>		<b>£1,540</b>	<b>£2,431</b>	<b>£3,036</b>	<b>£3,213</b>
Sound Pressure Level C/H	dB(A)	46/48	46/48	49/50	49/50
Gas 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 Supply	V-ph-Hz-A	220/240-1-50 16	220/240-1-50 16	220/240-1-50 20	380/415-3-50 10
<b>Control Panel</b>	<b>RBC-</b>	<b>AHU1</b>	<b>AHU1</b>	<b>AHU1</b>	<b>AHU1</b>
<b>Control Panel Retail Price</b>		<b>£550</b>	<b>£550</b>	<b>£550</b>	<b>£550</b>
Dimensions (HxWxD)	mm	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150
Weight	kg	10	10	10	10
Power Supply	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
<b>Cooling</b>	<b>kW</b>	<b>5.6</b>	<b>8.0</b>	<b>12.0</b>	<b>12.0</b>
<b>Heating</b>	<b>kW</b>	<b>8.1</b>	<b>11.3</b>	<b>13.0</b>	<b>13.0</b>
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

# TOSHIBA



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

Outdoor Unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
<b>Outdoor Unit Retail Price</b>		<b>£3,333</b>	<b>£3,355</b>	<b>£3,567</b>
Sound Pressure Level C/H	dB(A)	50/51	50/52	51/53
Gas 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 Supply	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
<b>Control Panel Retail Price</b>		<b>£550</b>	<b>£550</b>	<b>£550</b>
Dimensions (HxWxD)	mm	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150
Weight	kg	10	10	10
Power Supply	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
<b>Cooling</b>	<b>kW</b>	<b>14.0</b>	<b>14.0</b>	<b>14.0</b>
<b>Heating</b>	<b>kW</b>	<b>16.5</b>	<b>16.5</b>	<b>16.5</b>
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



## RBC-DXC031 Air Handling Unit Applications Digital Inverter Classic

Outdoor Unit - Digital Inverter Classic	RAV-	GV561ATP-E	GV801ATP-E	GV1101ATP-E	GV1101AT8P-E
<b>Outdoor Unit Retail Price</b>		<b>£965</b>	<b>£1,237</b>	<b>£1,476</b>	<b>£1,846</b>
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 Supply	V-ph-Hz-A	220/240-1-50 16	220/240-1-50 16	220/240-1-50 25	380/415-3-50 10
<b>Control Panel</b>	<b>RBC-</b>	<b>DXC031</b>	<b>DXC031</b>	<b>DXC031</b>	<b>DXC031</b>
<b>Control Panel Retail Price</b>		<b>£898</b>	<b>£898</b>	<b>£898</b>	<b>£898</b>
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 Supply	V/ph/Hz	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
<b>Cooling</b>	<b>kW</b>	<b>5.6</b>	<b>8.0</b>	<b>11.2</b>	<b>11.2</b>
<b>Heating</b>	<b>kW</b>	<b>6.3</b>	<b>9.0</b>	<b>13.0</b>	<b>13.0</b>
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

# TOSHIBA



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

<b>Outdoor Unit - Digital Inverter Classic</b>	<b>RAV-</b>	<b>GV1401ATP-E</b>	<b>GV1401AT8P-E</b>	<b>GV1601ATP-E</b>	<b>GV1601AT8P-E</b>
<b>Outdoor Unit Retail Price</b>		<b>£1,814</b>	<b>£1,945</b>	<b>£2,094</b>	<b>£2,414</b>
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 Supply	V-ph-Hz-A	220/240-1-50 32	380/415-3-50 16	220/240-1-50 32	380/415-3-50 16
<b>Control Panel</b>	<b>RBC-</b>	<b>DXC031</b>	<b>DXC031</b>	<b>DXC031</b>	<b>DXC031</b>
<b>Control Panel Retail Price</b>		<b>£898</b>	<b>£898</b>	<b>£898</b>	<b>£898</b>
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 Supply	V/ph/Hz	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
<b>Cooling</b>	<b>kW</b>	<b>13.2</b>	<b>13.2</b>	<b>16.0</b>	<b>16.0</b>
<b>Heating</b>	<b>kW</b>	<b>16.0</b>	<b>16.0</b>	<b>18.0</b>	<b>18.0</b>
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



## RBC-DXC031 Air Handling Unit Applications Digital Inverter

Outdoor Unit - Digital Inverter	RAV-	GM301ATP-E	GM401ATP-E	GM561ATP-E	GM801ATP-E	GM901ATP-E
<b>Outdoor Unit Retail Price</b>		<b>£762</b>	<b>£913</b>	<b>£1,087</b>	<b>£1,435</b>	<b>£1,585</b>
Pipe connections (gas - liquid)	inch	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Max Height Difference	m	2/20 - 10	2/20 - 10	5/30 - 30	5/30 - 30	5/30 - 30
Chargeless Pipe Length	m	15	15	20	20	20
Refrigerant - Additional Charge	Type/kg/g	R32/0.63/20	R32/0.9/20	R32/0.9/20	R32/1.3/35	R32/2.0/35
Dimensions (HxWxD)	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300
Total Weight	kg	33	39	40	44	47
Suggested Power Supply	V-ph-Hz-A	220/240-1-50 10	220/240-1-50 10	220/240-1-50 16	220/240-1-50 16	220/240-1-50 20
<b>Control Panel</b>	<b>RBC-</b>	<b>DXC031</b>	<b>DXC031</b>	<b>DXC031</b>	<b>DXC031</b>	<b>DXC031</b>
<b>Control Panel Retail Price</b>		<b>£898</b>	<b>£898</b>	<b>£898</b>	<b>£898</b>	<b>£898</b>
Dimensions (HxWxD)	mm	400 x 300 x 150	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	8
Suggested Power Supply	V/ph/Hz	220/240-1-50- 6	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	AHU DX Coil
<b>Cooling</b>	<b>kW</b>	<b>2.5</b>	<b>3.6</b>	<b>5.6</b>	<b>8.0</b>	<b>8.8</b>
<b>Heating</b>	<b>kW</b>	<b>3.4</b>	<b>4.0</b>	<b>6.3</b>	<b>9.0</b>	<b>9.9</b>
Air Volume Min - Max	m3/h	480 - 660	522 - 690	720 - 1080	1060 - 1580	1170 - 1730
Coil Pipe Diameter	mm - "	9.52 - 3/8	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	4 - 7
Suction Superheat (Target)	K	5	5	5	5	5

\* Follow installation guidance for A2L refrigerant

# TOSHIBA



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

<b>Outdoor Unit - Digital Inverter</b>	<b>RAV-</b>	<b>GM1101ATP-E</b>	<b>GM1101AT8P-E</b>	<b>GM1401ATP-E</b>	<b>GM1401AT8P-E</b>	<b>GM1601ATP-E</b>
<b>Outdoor Unit Retail Price</b>		<b>£1,891</b>	<b>£2,183</b>	<b>£1,993</b>	<b>£2,300</b>	<b>£2,681</b>
Pipe connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Max Height Difference	m	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless Pipe Length	m	30	30	30	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/2.1/35	R32/2.1/35	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	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320
Total Weight	kg	68	68	68	68	95
Suggested Power Supply	V-ph-Hz-A	220/240-1-50 25	380/415-3-50 10	220/240-1-50 32	380/415-3-50 16	220/240-1-50 32
<b>Control Panel</b>	<b>RBC-</b>	<b>DXC031</b>	<b>DXC031</b>	<b>DXC031</b>	<b>DXC031</b>	<b>DXC031</b>
<b>Control Panel Retail Price</b>		<b>£898</b>	<b>£898</b>	<b>£898</b>	<b>£898</b>	<b>£898</b>
Dimensions (HxWxD)	mm	400 x 300 x 150	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	8
Suggested Power Supply	V/ph/Hz	220/240-1-50- 6	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	AHU DX Coil
<b>Cooling</b>	<b>kW</b>	<b>11.2</b>	<b>11.2</b>	<b>13.2</b>	<b>13.2</b>	<b>16.0</b>
<b>Heating</b>	<b>kW</b>	<b>13.0</b>	<b>13.0</b>	<b>16.0</b>	<b>16.0</b>	<b>18.0</b>
Air Volume Min - Max	m3/h	1280 - 1920	1280 - 1920	1680 - 2520	1680 - 2520	2080 - 3360
Coil Pipe Diameter	mm - "	9.52 - 3/8	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	4 - 7
Suction Superheat (Target)	K	5	5	5	5	5

\* Follow installation guidance for A2L refrigerant





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

Outdoor Unit - Digital Inverter	RAV-	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
<b>Outdoor Unit Retail Price</b>		<b>£2,976</b>	<b>£5,246</b>	<b>£5,255</b>
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 Supply	V-ph-Hz-A	380/415-3-50 16	380/415-3-50 16	380/415-3-50 20
<b>Control Panel</b>	<b>RBC-</b>	<b>DXC031</b>	<b>DXC031</b>	<b>DXC031</b>
<b>Control Panel Retail Price</b>		<b>£898</b>	<b>£898</b>	<b>£898</b>
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 Supply	V/ph/Hz	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
<b>Cooling</b>	<b>kW</b>	<b>16.0</b>	<b>22.4</b>	<b>27.0</b>
<b>Heating</b>	<b>kW</b>	<b>18.0</b>	<b>25.0</b>	<b>31.5</b>
Air Volume Min - Max	m3/h	2080 - 3360	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	5	5	5

\* Follow installation guidance for A2L refrigerant

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## RBC-DXC031 Air Handling Unit Applications Super Digital Inverter

<b>Outdoor Unit - Super Digital Inverter</b>	<b>RAV-</b>	<b>GP561ATW-E</b>	<b>GP801ATW-E</b>	<b>GP1101AT-E</b>	<b>GP1101AT8-E</b>
<b>Outdoor Unit Retail Price</b>		<b>£1,441</b>	<b>£2,096</b>	<b>£3,036</b>	<b>£3,213</b>
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 Supply	V-ph-Hz-A	220/240-1-50 16	220/240-1-50 16	220/240-1-50 20	380/415-3-50 10
<b>Control Panel</b>	<b>RBC-</b>	<b>DXC031</b>	<b>DXC031</b>	<b>DXC031</b>	<b>DXC031</b>
<b>Control Panel Retail Price</b>		<b>£898</b>	<b>£898</b>	<b>£898</b>	<b>£898</b>
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 Supply	V/ph/Hz	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
<b>Cooling</b>	<b>kW</b>	<b>5.6</b>	<b>8.0</b>	<b>11.2</b>	<b>11.2</b>
<b>Heating</b>	<b>kW</b>	<b>6.3</b>	<b>9.0</b>	<b>13.0</b>	<b>13.0</b>
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 (Continued)

Outdoor Unit - Super Digital Inverter	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
<b>Outdoor Unit Retail Price</b>		<b>£3,333</b>	<b>£3,355</b>	<b>£3,567</b>
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 Supply	V-ph-Hz-A	220/240-1-50 25	380/415-3-50 16	380/415-3-50 16
<b>Control Panel</b>	<b>RBC-</b>	<b>DXC031</b>	<b>DXC031</b>	<b>DXC031</b>
<b>Control Panel Retail Price</b>		<b>£898</b>	<b>£898</b>	<b>£898</b>
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 Supply	V/ph/Hz	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
<b>Cooling</b>	<b>kW</b>	<b>13.2</b>	<b>13.2</b>	<b>16.0</b>
<b>Heating</b>	<b>kW</b>	<b>16.0</b>	<b>16.0</b>	<b>18.0</b>
Air Volume Min - Max	m <sup>3</sup> /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

## ACCESSORIES

### RAV Accessories

RAV Accessories	ProDucted Range	Model	Description	Price
			<b>Wireless Controller/Reciver Kits</b>	
<b>Wireless Controller/ Receiver Kits</b>	RAV	RBC-AX32U(W)-E	Wireless Remote Controller Kit - 4 Way Cassette (Replaces RBC-AX31U(W)-E)	£202
		RBC-AX32UM(W)-E	Wireless Remote Controller (New 7 Series Compact Cassettes)	£131
		RBC-AX32UW(W)-E	Wireless Remote Controller Kit - 2 Way Cassette	£214
		RBC-AX33CE	Wireless Remote Controller Kit - Ceiling (7 Series)	£221
		RBC-AX41U(W)-E	Wireless Receiver Kit for 4-Way Cassette	£220
		RBC-AX33UYP-E	Wireless Receiver Kit for 1-Way Cassette	£55
		RBC-AXU31C-E	Wireless Remote Controller Kit - Ceiling	£241
		RBC-AXU31-E	Wireless Remote Controller Kit - Others (Exclude High Static Ducted)	£310
		RBC-AXU31U-E	Wireless Receiver Kit for 4-Way Cassette	£220
		RBC-AXU31UM-E	Wireless Receiver Kit for Compact Cassette	£142
		RBC-AXU31UW-E	Wireless Receiver Kit for 2-Way Cassette	£259
		RBC-AXU31UMP-E	Wireless Remote Controller Kit for compact 4-way White	£129
		RBC-AXU31UMPB-E	Wireless Remote Controller Kit for compact 4-way Black	£141
		RBC-AXU33UP-E	Wireless Receiver Kit for 4-Way Cassette (Compatible with MMU-UP_1HP-E & RAV-HM_1UTP-E)	£154
		RBC-AXU41U-E	Wireless Receiver Kit for 4-Way Cassette	£220
RBC-AXU33UPB-E	Wireless Remote Controller kit (IR receiver + handset), Black colour	£169		

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## RAV Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
<b>Controller Wired</b>				
<b>Controller Wired</b>	RAV	RBC-AS41E	Simplified Remote Controller	£103
		RBC-ASCU11-E	Compact Remote Controller	£74
		RBC-AMT32E	Standard Remote Controller	£78
		RBC-AMTU31-E	Standard Remote Controller	£86
		RBC-AMS41E	Standard Remote Controller C/W 24/7 Schedule Timer	£95
		RBC-AMSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer	£152
		RBC-AWSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer + Bluetooth	£175
		RBC-MTSC1	Mini Touch Screen Controller	£284
RBC-MTSC2	Mini Touch Screen Controller C/W Schedule Timer	£337		
<b>Central Controller Wired</b>				
<b>Central Controller Wired</b>	RAV	BMS-CT1280E	Touch Screen Controller	£4,189
		BMS-CT2560U-E	256 Touch Screen Controller (Multi Language)	£4,547
		BMS-CT5121E	Touch Screen Controller	£5,620
		BMS-IFBN640TLE	BACnet Interface For LC And VRF	£1,890
		BMS-SM1281ETLE	Smart Manager With Data Analyser	£2,926
		RBC-BP2	Black Pear BMS Controller	£4,483
		RBC-BPB1	Black Pear Controller For BACnet	£4,170
		RBC-BPM1	Black Pear Controller For Modbus	£4,170
RBC-BPT1	Black Pear Controller For Trend	£4,170		

**TOSHIBA****ACCESSORIES****RAV Accessories (Continued)**

RAV Accessories	Product Range	Model	Description	Price
<b>Central Controller Wired (Continued)</b>				
<b>Central Controller Wired (Continued)</b>	RAV	RBC-TBPTS	Toshiba "Smart Touch" Black Pear Touch Screen For 64 Indoor Units.	£3,431
		RBC-TBPTSBC	Smart Touch Back Box	£181
		TCB-SC640U-E	64 Central Remote Controller	£1,024
		TCB-SC643TLE	Central Controller	£943
<b>Control Panel</b>				
<b>Control panel</b>	RAV	RBC-AC1	Unit Auto Change Over With Temperature High Limit Stat (1 Run/1 Standby)	£1,772
		RBC-AC2	Unit Auto Change Over With Temperature High Limit Stat (2 Run/1 Standby)	£2,063
		RBC-AM1E	Remote Controller	£164
		RBC-EM1-PE	Energy Monitoring Kit	£1,318
<b>Indoor Interface</b>				
<b>Indoor Interface</b>	RAV	BMS-IFBN1280U-E	1:1 KNX® interface	£1,873
		BMS-IFKX0TLR-E	KNX interface for LC-VRF	£445
		BMS-IFLSV4E	TCS-Net Relay Interface	£974
		BMS-IFMB0TLR-E	Modbus interface for LC-VRF	£372
		BMS-IFMBOUEW-E	Modbus Controller for ESTIA R32	£486
		BMS-IFMB1280U-E	Modbus Interface	£1,941
		BMS-STBN10E	BACnet Server Software	£2,281
		BMS-WB2561PWE	Web Server/Gateway Server Connection Of Up To 256 Indoor Units	£4,020
RBC-AVS2	Averaging Sensors	£192		

## RAV Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
<b>Indoor Interface (Continued)</b>				
<b>Indoor Interface (Continued)</b>	RAV	RBC-AVS3	Averaging Sensors	£212
		RBC-AVS4	Averaging Sensors	£226
		RBC-CK1	VRF - DI/SDI Conversion Kit	£142
		RBC-CK2	VRF 6 Series MMF Units Conversion Kit	£115
		RBC-FDP3-AHU	Monitoring & Control Interface With AHU Firmware	£582
		RBC-FDP3-PE	Monitoring & Control Interface For VRF & DI/SDI	£411
		RBC-SMF1	Enables Control Of External Fans	£63
		RBC-SMIM2	Indicator Module For Unit In Heating Mode, Cooling Mode Or Fan	£94
		RBC-SMIM3	Indicator Module For Stopping Fault And Unit Run	£89
		RBC-SMIM4	Indicator Module For Stopping Fault And Unit Run	£99
		RBC-TO-RC-WIFI-1	IntesisHome Wi-Fi - Toshiba LC and VRF	£311
		RBC-TS11	Monitoring & Control Interface For VRF & DI/SDI	£325
		RBC-TXIO	Input/Output Interface For Third Party Equipment	£397
		RB-I301-E	Leak Detection Sensor Kit	£193
		TCB-ADCN510UP-E	4-Way Cassette Facia Panel Adapter	£46
		TCB-IFCB5-PE	Window Switch & Remote ON/OFF	£31
		TCB-IFGSM1E	GSM Phone Control Interface	£717
TCB-PCNT20E	Network Adapter	£223		
TCB-PCNT30TLE2	1:1 Model Connection Interface	£112		

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## ACCESSORIES

### RAV Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
<b>Indoor Interface (Continued)</b>				
<b>Indoor Interface (Continued)</b>	RAV	TCB-PX100-PE	Enclosure For The Window Switch Remote ON/OFF	£22
		TCB-PX30MUE	Terminal Box For TCB-PCNT30TLE2	£85
		TCB-SSRL011UUP-E	RAC TU2C-Link Interface for BMS	£149
<b>Indoor Interface Lead</b>				
<b>Indoor Interface Lead</b>	RAV	RBC-TAEX1	Extension Sensor TA	£41
		RBC-CN61CIMC	CN61 5 M Lead	£29
		RBC-IT4-PE	Timer For DI/SDI	£152
		RBC-SMCN61	Interface Lead For ON/OFF And Unit Remote Controller Lock	£11
		RBC-SMCN61L	Interface Lead For Remote Controller Lock	£11
		RBC-SMT1	Timer Interface Lead	£11
		TCB-KBCN32VEE	Connector For CN 32	£197
		TCB-KBCN60OPE	Connector For CN 60	£386
		TCB-KBCN61HAE	Connector For CN 61	£392
		TCB-KBCN70OAE	Connector For CN 70	£192
		TCB-KBCN73DEE	Connector For CN 73	£194
		TCB-KBCN80EXE	Connector For CN 80	£200
		TCB-KBOS2E	Optional Connector Kit (SD Series 4)	£28
TCB-KBOS4E	Cable Connector Kit	£40		



# TOSHIBA

## RAV Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
<b>Interface</b>				
<b>Interface</b>	RAV	BMS-IFDD03E	Digital I/O Relay Interface	£674
		BMS-IFWH5E	Energy Monitoring Relay Interface	£637
		RBC-DI1-PE	Digital Input/Output Module (DI160)	£401
		RBC-IT2-PE	Timer Interface For R407C Equipment	£143
		TCB-DK01SS-E	Dyna Doctor Hardware	£2,102
		TCB-IFCB640TLE	Analog Interface	£2,085
		TCB-IFCG1TLE	General Purpose Interface	£2,085
		TCB-IFLN642TLE	LonWorks Gateway,	£1,594
		TCB-IFMB641TLE	Modbus Interface	£1,788
		TCB-PCUC2E	Application Control Kit	£150
TCB-PX40MUME	Control Box Enclosure For Interface PCB's	£85		
<b>Occupancy Sensor</b>				
<b>Occupancy Sensor</b>	RAV	TCB-SIR33UP-E	Occupancy Sensor Kit (Compatible with MMU-UP_1HP-E & RAV-HM_1UTP-E)	£88
		TCB-SIR41U-E	Occupancy Sensor (Smart Cassettes)	£101
		TCB-SIR41UM-E	Occupancy Sensor (New 7 Series Compact Cassettes)	£101
		TCB-SIR41UYP-E	Occupancy Sensor (1-Way cassette)	£88
<b>Remote Sensor</b>				
<b>Remote Sensor</b>	RAV	TCB-TC41LE	Remote Sensor (Replaces TCB-TC21LE2)	£86
		TCB-TC41U-E	Remote Sensor	£93

**TOSHIBA****ACCESSORIES****RAV Accessories (Continued)**

RAV Accessories	Product Range	Model	Description	Price
			<b>Air DisCharge, Filtration &amp; Inlet</b>	
<b>Air DisCharge, Filtration &amp; Inlet</b>	RAV	RBC-VCK1	Ducted Vertical Conversion Kit	£654
		TCB-BC1602UE	4 Way Cassette Air DisCharge Direction Kit (Suit 31PG)	£81
		TCB-BC1603UE	Smart Cassette Air DisCharge Direction Kit	£81
		TCB-BUS21HWE	Front Air DisCharge Unit	£915
		TCB-FF101URE2	Fresh Air Connection Spigot Kit (New 7 Series Compact Cassettes)	£56
		TCB-FF151US-E	Auxiliary Fresh Air Flange	£68
		TCB-SF160C6BPE	DisCharge spigots for LC/VRF Ducted 4.0-6.0 HP	£212
		TCB-SF56C6BPE	DisCharge spigots for LC/VRF Ducted 1.5-2.0 HP	£141
		TCB-SF80C6BPE	DisCharge spigots for LC/VRF Ducted 3.0 HP	£166
		TCB-EAPC1UHP-E	Air Purifier Kit 4-Way Cassette (Heating RC + PURE Button)	£1,072
		TCB-GB1601UE2	Fresh-Air Inlet Box	£77
		TCB-GB1602UE	Fresh Air Inlet Box	£81
		TCB-GB1602UE2	Fresh Air Inlet Box	£67
		TCB-GFC1601UE2	Fresh-Air & Filter Chamber	£357
		TCB-GFC1602UE2	Fresh Air & Filter Chamber	£177
		TCB-GFC1603UE	Smart Cassette Fresh Air Filter Chamber	£215
		TCB-LK1401D-E	Long Life Filter Kit For MMD-*036_056#HP-E	£92
		TCB-LK2801DP-E	Long Life Filter Kit For MMD-*072_096#HP-E	£141
TCB-LK801D-E	Long Life Filter Kit For MMD-*018_027#HP-E	£71		

### RAV Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
<b>Air DisCharge, Filtration &amp; Inlet (Continued)</b>				
<b>Air DisCharge, Filtration &amp; Inlet (Continued)</b>	RAV	TCB-PF3DE	Filter Kit High Static Ducted 8~10hp	£219
		TCB-UFH0481D-E	High Efficiency Filter 90% (48)	£554
		TCB-UFH1281D-E	High Efficiency Filter 90% (72-128)	£792
		TCB-UFM0481D-E	High Efficiency Filter 65% (48)	£551
		TCB-UFM1281D-E	High Efficiency Filter 65% (72-128)	£744
		TCB-SP1602UE	4-Way Cassette Spacer Height Adjustment For RBC-U31PGP(W)-E	£215
		TCB-SP1603UE	Smart Cassette Spacer Height Adjustment For RBC-U41PG(W)-E	£215
<b>R410A Leak Detection</b>				
<b>R410A Leak Detection</b>	RAV	RBC-RI1	Room Indicator For Use With RBC-RP1 (Legrand Graphite) Currently Grey	£92
		RBC-LDCIMC	Leak Detection 15M Lead	£56
		RBC-RP1	Repeater Panel C/W Battery Back Up	£1,650
		RBC-TSRP1	Repeater Panel (for use with RBC-TBPTS)	£770
		TCB-LD12V	Room Leak Detection Transformer 12v & Cable Kit (use with TCB-LDS1 & TCB-LDS2)	£199
		TCB-LDS1	Room Leak Detection Concentration Sensor With White Faceplate (requires Remote 12v Transformer)	£478
		TCB-LDS1BLK	Room Leak Detection Concentration Sensor With Black Faceplate (requires Remote 12v Transformer)	£430
		TCB-LDS2	Room Leak Detection Concentration Sensor With Stainless Steel Faceplate (requires Remote 12v Transformer)	£495
<b>Outdoor Interface</b>				
<b>Outdoor Interface</b>	RAV	TCB-IFCB-4E2	Remote Location ON/OFF Control Box	£332
		TCB-PCDM4E	Power Peak-Cut Control Board (SMMS/SHRM)	£118
		TCB-PCOS1E2	Application Control Kit	£217

**TOSHIBA****ACCESSORIES****RAV Accessories (Continued)**

RAV Accessories	Product Range	Model	Description	Price
<b>Branch Joints</b>				
<b>Branch Joints</b>	RAV	RBC-DTWP101E	Double Twin Kit for DI & SDI	£303
		RBC-TRP100E	Triple Pipe Kit for DI & SDI	£284
		RBC-TWP101E	Twin Kit for DI & SDI	£222
		RBC-TWP30E2	Twin Kit	£93
		RBC-TWP50E2	Twin Kit	£98
<b>Condensate</b>				
<b>Condensate</b>	RAV	TCB-DP22CE2	Drain Up Kits For DI Ceiling FCU	£272
		TCB-DP31CE	Drain Pump For DI Ceiling	£298
		TCB-DP31HEXE	Drain Pump Kit	£738
		TCB-DP32DFE	Drain Pump Kit	£775
		TCB-DP40DFP-E	Drain Pump Kit (Lift up to 330 mm)	£435
		TCB-DP40DPE	Drain Pump Kit (MMD-*0726 To 0966HP-E)	£435
		TCB-KP13CE	Elbow Piping Kit RAV-HM_1CTP 40-56	£84
		TCB-KP14CPE	Ceiling Suspended Elbow Piping Kit (1.5-2.0hp)	£83
		TCB-KP22CE2	Elbow Piping Kit (*0241-0481)	£104
		TCB-KP23CE	Elbow Piping Kit RAV-HM_1CTP 80-160	£103
		TCB-KP24CPE	Ceiling Suspended Elbow Piping Kit (2.5-5.0hp)	£100

### RAV Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
<b>Anti-Corrosion Coating</b>				
<b>Anti-Corrosion Coating</b>	RAV	CACC-DF	Double Fan Unit Coil Anti-Corrosion Coating	£551
		CACC-DF1	Double Fan Unit Coil Anti-Corrosion Coating (Large Cap DI)	£609
		CACC-SF	Single Fan Unit Coil Anti-Corrosion Coating	£407
<b>Painted Finish</b>				
<b>Painted Finish</b>	RAV	Painted-4WAYCASSETTE	Painted Cassette Unit Chassis	£462
		Painted-Ducted	Painted Ducted Unit Chassis	£480
		Painted-Ducted	Painted Ducted Unit Chassis	£548
		Painted-Ducted	Painted Ducted Unit Chassis	£617
		Painted-High Wall	Painted High Wall Unit Facia	£326
		PAINTE-U21FP	Painted Compact Cassette Facia Panel	£291
PAINTE-U31FP	Painted 4-Way Cassette Facia Panel	£325		

**TOSHIBA****ESTiA****Estia Air-to-Water Heat Pumps**

<a href="#">Estia Air-to-Water Heat Pump - R32 Outdoor Unit 1ph</a>	141
<a href="#">Estia Air-to-Water Heat Pump - R32 Outdoor Unit 3ph</a>	142
<a href="#">Estia Air-to-Water Heat Pump - R32 Hydro Unit</a>	143
<a href="#">Estia Air-to-Water Heat Pump - R32 Domestic Hot Water Tank</a>	144
<a href="#">Estia Accessories</a>	145

# TOSHIBA

## ESTiA



### Estia R32 - Outdoor Unit - 1ph

Outdoor Unit	HWT-	401HW-E	601HW-E	801HW-E	1101HW-E	1401HW-E
Outdoor Unit Retail Price		£1,571	£1,766	£3,047	£3,412	£4,217
Nominal Heating Capacity	kW	4.0	6.0	8.0	11.0	14.0
SCOP - Energy Label	kW/kW	4.53 - A+++	4.58 - A+++	4.63 - A+++	4.55 - A+++	4.60 - A+++
Dimensions (HxWxD)	mm	630 x 800 x 300	630 x 800 x 300	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370
Weight	kg	42	42	75	75	88
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	220/240-1-50 16 (3C+E)	220/240-1-50 16 (3C+E)	220/240-1-50 25 (3C+E)	220/240-1-50 25 (3C+E)	220/240-1-32 (3C+E)
Flare Connections (Gas - Liquid)	inch	1/2 - 1/4	1/2 - 1/4	5/8 - 1/4	5/8 - 1/4	5/8 - 1/4
Min.-Max. Length - Height Difference	m	5-30 - 30	5-30 - 30	5-30 - 30	5-30 - 30	5-30 - 25
Chargeless Pipe Length	kg/m	20	20	8	8	8
Refrigerant - Additional Charge	Type/kg/g	R32/0.9/20	R32/0.9/20	R32/1.25/25	R32/1.25/25	R32/1.4/25

**TOSHIBA****ESTiA****Estia R32 - Outdoor Unit - 3ph**

<b>Outdoor Unit</b>	<b>HWT-</b>	<b>801H8W-E</b>	<b>1101H8W-E</b>	<b>1401H8W-E</b>
<b>Outdoor Unit Retail Price</b>		<b>£3,801</b>	<b>£4,257</b>	<b>£5,271</b>
<b>Nominal Heating Capacity</b>	<b>kW</b>	<b>8.0</b>	<b>11.0</b>	<b>14.0</b>
SCOP - Energy Label	kW/kW	4.51 - A+++	4.56 - A+++	4.57 - A+++
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 Supply OD & Interconnecting Cable	V-ph-Hz-A	380/415-3-50 25 (3C+E)	380/415-3-50 25 (3C+E)	380/415-3-50 25 (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



# TOSHIBA



## Estia R32 - Hydro Unit

Hydro Unit	HWT-	601XWHM3W-E	601XWHM6W-E	1101XWHM3W-E	1101XWHM6W-E	1401XWHM3W-E	1401XWHM6W-E
Hydro Unit Retail Price		£3,187	£3,421	£3,481	£3,725	£3,979	£4,257
Operation Temperature Range Heating	°C	20 - 55	20 - 55	20 - 65	20 - 65	20 - 65	20 - 65
Pump Flow Rate	l/m	11.6	17.3	23.1	23.1	40.1	40.1
Dimensions (HxWxD)	mm	720 x 450 x 235	720 x 450 x 235	720 x 450 x 235	720 x 450 x 235	720 x 450 x 235	720 x 450 x 235
Weight	kg	27	27	27	27	27	27
Back Up Heater Power/Maximum Current	kW/Amps	3.0/13	6.0/26	3.0/13	6.0/26	3.0/13	6.0/26
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	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	R1 1/4	R1 1/4	R1 1/4
Refrigerant - Additional Charge Piping (gas - liquid)	inch	1/2 - 1/4	1/2 - 1/4	5/8 - 1/4	5/8 - 1/4	5/8 - 1/4	5/8 - 1/4

**TOSHIBA****ESTiA****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		£1,149	£1,339	£1,624
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

RAV Accessories	Product Range	Model	Description	Price
<b>Controller Wired</b>				
<b>Controller Wired</b>	ESTiA	HWS-AMS54E	Remote Controller	£152
		HWS-AMSU51-E	2nd Remote Controller	£128
<b>Indoor Interface</b>				
<b>Indoor Interface</b>	ESTiA	BMS-IFKX0AWR-E	KNX interface for ESTiA	£546
		BMS-IFMB0AWR-E	Modbus I/F For Estia	£511
		HWS-IFAIP01U-E	0-10V Interface	£273
		HWS-IWF0010UP-E	Wifi Interface Box	£194
<b>Interface</b>				
<b>Interface</b>	ESTiA	TCB-PCIN3E	Error Output Control Board (Estia)	£120
		TCB-PCMO3E	External Input PCB (Estia)	£84

**TOSHIBA****TOSHIBA**  
MiNi-SMMS**SMMSu**  
SUPER MODULAR MULTI SYSTEM**SHRM**  
SUPER HEAT RECOVERY MULTI**R410A**  
REFRIGERANT**VRF R410a Outdoor Units (Heat Pump & Heat Recovery)**

<a href="#">MiNi SMMSe - VRF 2-pipe Heat Pump Outdoor Unit - 1 phase - R410A</a>	147
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# TOSHIBA

**TOSHIBA**  
MiNi-SMMS



## Mini SMMSe - VRF 2-Pipe Heat Pump Outdoor Unit 1 phase

Outdoor unit - Std	MCY-	MHP0406HT-E	MHP0506HT-E1	MHP0404HS-E	MHP0504HS-E	MHP0604HS-E
Outdoor Unit Retail Price		£3,434	£3,707	£4,184	£4,731	£5,087
Rated Cooling Capacity	kW	12.1	14.0	12.1	14.0	15.5
Rated Heating Capacity	kW	12.5	16.0	12.5	16.0	18
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	9.23-4.24 - 366.2-166.6	9.68-4.37 - 384.2-171.8
Sound pressure level	dB(A)	57	58	52	53	54
Dimensions (HxWxD)	mm	910 x 990 x 390	910 x 990 x 390	1235 x 990 x 390	1235 x 990 x 390	1235 x 990 x 390
Weight	kg	100	100	127	127	127
Suggested Power Supply OD	V-ph-Hz-A	220/240-1-50 20	220/240-1-50 25	220/240-1-50 20	220/240-1-50 25	220/240-1-50 25
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8" - 3/8"	5/8" - 3/8"	5/8" - 3/8"
Max Pipe Length - Maximum Lift ID above/below OD	m	90 - 15/15	90 - 15/15	100 - 20/30	100 - 20/30	100 - 20/30
Refrigerant - Additional Charge R410A	kg	3.3	3.3	6.4	6.4	6.4



**TOSHIBA****TOSHIBA**  
MiNi-SMMS**Mini SMMSe - VRF 2-Pipe Heat Pump Outdoor Unit 3 phase**

Outdoor unit - Std	MCY-	MHP0404HS8-E	MHP0504HS8-E	MHP0604HS8-E	MHP0806HS8-E	MHP1006HS8-E
Outdoor Unit Retail Price		£4,278	£4,849	£5,126	£6,353	£6,579
Rated Cooling Capacity	kW	12.1	14.0	15.5	22.4	28.0
Rated Heating Capacity	kW	12.5	16.0	18.0	22.4	28.0
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	8.09-4.50 - 320.6-177.0	7.40-4.42 - 293.0-173.8
Sound pressure level	dB(A)	52	53	54	59	60
Dimensions (HxWxD)	mm	1235 x 990 x 390	1235 x 990 x 390	1235 x 990 x 390	1740 x 990 x 390	1740 x 990 x 390
Weight	kg	125	125	125	147	147
Suggested Power Supply OD	V-ph-Hz-A	380/415-3-50 10	380/415-3-50 16	380/415-3-50 16	380/415-3-50 20	380/415-3-50 25
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	3/4 - 3/8	3/4 - 3/8	3/4 - 3/8
Max Pipe Length - Maximum Lift ID above/below OD	m	180 - 20/30	180 - 20/30	180 - 20/30	300 - 50/30	300 - 50/30
Refrigerant - Additional Charge R410A	kg	6.4	6.4	6.4	4.4	4.4

# TOSHIBA



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

Outdoor unit	MMY-	MUP0801HT8P-E	MUP1001HT8P-E	MUP1201HT8P-E	MUP1401HT8P-E	MUP1601HT8P-E
Outdoor Unit Retail Price		£7,369	£8,005	£9,260	£11,100	£12,085
Rated Cooling Capacity	kW	22.4	28.0	33.5	40.0	45.0
Rated Heating Capacity	kW	25.0	31.5	37.5	45.0	50.0
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	7.05-4.60 - 279.0-181.0	7.71-4.79 - 305.4-188.6
Sound pressure level	dB(A)	56	58	62	62	63
Dimensions (HxWxD)	mm	1690 x 990 x 780	1690 x 990 x 780	1690 x 990 x 780	1690 x 990 x 780	1690 x 1290 x 780
Weight	kg	228.00	228.00	228.00	228.00	312.00
Suggested Power Supply OD	V-ph-Hz-A	380/415-3-50 20	380/415-3-50 25	380/415-3-50 32	380/415-3-50 40	380/415-3-50 40
Pipe Connections (Gas - Liquid)	inch	3/4 - 1/2	7/8 - 1/2	1-1/8 - 1/2	1-1/8 - 5/8	1-1/8 - 5/8
Max Pipe Length - Maximum Lift ID above/below OD	m	500 - 70/40	500 - 70/40	500 - 70/40	500 - 70/40	500 - 70/40
Refrigerant - Additional Charge R410A	kg	6.0	6.0	6.0	6.0	9.0

**TOSHIBA**

**SMMSu**  
SUPER MODULAR MULTI SYSTEM

**R410A**  
REFRIGERANT

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

Outdoor unit	MMY-	MUP1801HT8P-E	MUP2001HT8P-E	MUP2201HT8P-E	MUP2401HT8P-E1
Outdoor Unit Retail Price		£13,107	£14,010	£14,978	£16,456
Rated Cooling Capacity	kW	50.4	56.0	61.5	67.0
Rated Heating Capacity	kW	56.0	63.0	69.0	70.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.68-4.75 - 304.2-187.0	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	67
Dimensions (HxWxD)	mm	1690 x 1290 x 780	1690 x 1290 x 780	1690 x 1290 x 780	1690 x 1290 x 780
Weight	kg	312.00	334.00	356.00	356.00
Suggested Power Supply OD	V-ph-Hz-A	380/415-3-50 40	380/415-3-50 40	380/415-3-50 50	380/415-3-50 63
Pipe Connections (Gas - Liquid)	inch	1-1/8 - 5/8	1-1/8 - 5/8	1-1/8 - 3/4	1-3/8 - 3/4
Max Pipe Length - Maximum Lift ID above/below OD	m	500 - 70/40	500 - 70/40	500 - 70/40	500 - 70/40
Refrigerant - Additional Charge R410A	kg	9.0	9.0	9.0	9.0





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

Outdoor Reference	MMY-	UP2611HT8P-E	UP2811HT8P-E	UP3011HT8P-E	UP3211HT8P-E	UP3411HT8P-E
Unit 1	MMY-	MUP1401HT8P-E	MUP1401HT8P-E	MUP1801HT8P-E	MUP2001HT8P-E	MUP2001HT8P-E
Unit 2	MMY-	MUP1201HT8P-E	MUP1401HT8P-E	MUP1201HT8P-E	MUP1201HT8P-E	MUP1401HT8P-E
System Retail Price		£20,360	£22,200	£22,367	£23,270	£25,110
Rated Cooling Capacity	kW	73.5	80.0	83.9	89.5	96.0
Rated Heating Capacity	kW	73.5	80.0	83.9	89.5	96.0
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	7.50-4.55 - 297.0-179.0	7.38-4.50 - 292.2-177.0
Dimensions (HxWxD)	mm	1690 x 2000 x 780	1690 x 2000 x 780	1690 x 2300 x 780	1690 x 2300 x 780	1690 x 2300 x 780
Weight	kg	228 + 228	228 + 228	312 + 228	334 + 228	334 + 228
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 40+32	380-415/3/50 40+40	380-415/3/50 40+32	380-415/3/50 40+32	380-415/3/50 40+40
Pipe Connections (Gas - Liquid)	inch	1 3/8 - 3/4	1 3/8 - 3/4	1 3/8 - 3/4	1 3/8 - 3/4	1 3/8 - 3/4
Max Pipe Length - Maximum Lift ID above/below OD	m	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40
Refrigerant - Additional Charge R410A	kg	6 + 6	6 + 6	9 + 6	9 + 6	9 + 6

# TOSHIBA

**SMMSu**  
SUPER MODULAR MULTI SYSTEM



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

Outdoor Reference	MMY-	UP3611HT8P-E	UP3811HT8P-E	UP4011HT8P-E	UP4211HT8P-E	UP4411HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2001HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP1201HT8P-E	MUP1401HT8P-E	MUP2001HT8P-E	MUP1801HT8P-E	MUP2001HT8P-E
System Retail Price		£25,716	£27,556	£28,020	£29,563	£30,466
Rated Cooling Capacity	kW	100.5	107.0	112.0	117.4	123.0
Rated Heating Capacity	kW	100.5	107.0	112.0	117.4	123.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.01-4.38 - 277.4-172.2	6.93-4.33 - 274.2-170.2	7.62-4.43 - 301.8-174.2	7.22-4.43 - 285.8-174.2	7.21-4.30 - 285.4-169.0
Dimensions (HxWxD)	mm	1690 x 2300 x 780	1690 x 2300 x 780	1690 x 2600 x 780	1690 x 2600 x 780	1690 x 2600 x 780
Weight	kg	356 + 228	356 + 228	334 + 334	356 + 312	356 + 334
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 63+32	380-415/3/50 63+40	380-415/3/50 40+40	380-415/3/50 63+40	380-415/3/50 63+40
Pipe Connections (Gas - Liquid)	inch	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8
Max Pipe Length - Maximum Lift ID above/below OD	m	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40
Refrigerant - Additional Charge R410A	kg	9 + 6	9 + 6	9 + 9	9 + 9	9 + 9



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

Outdoor Reference	MMY-	UP4611HT8P-E	UP4811HT8P-E	UP5011HT8P-E	UP5211HT8P-E	UP5411HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2001HT8P-E
Unit 2	MMY-	MUP2201HT8P-E	MUP2401HT8P-E	MUP1401HT8P-E	MUP1401HT8P-E	MUP2001HT8P-E
Unit 3	MMY-	-	-	MUP1201HT8P-E	MUP1401HT8P-E	MUP1401HT8P-E
System Retail Price		£31,434	£32,912	£36,816	£38,656	£39,120
Rated Cooling Capacity	kW	128.5	134.0	140.5	147.0	152.0
Rated Heating Capacity	kW	128.5	134.0	140.5	147.0	152.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.04-4.31 - 278.6-169.4	6.87-4.17 - 271.8-163.8	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 2600 x 780	1690 x 2600 x 780	1690 x 3310 x 780	1690 x 3310 x 780	1690 x 3610 x 780
Weight	kg	356 + 356	356 + 356	356 + 228 + 228	356 + 228 + 228	334 + 334 + 228
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 63+50	380-415/3/50 63+63	380-415/3/50 63+40+32	380-415/3/50 63+40+40	380-415/3/50 40+40+40
Pipe Connections (Gas - Liquid)	inch	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8
Max Pipe Length - Maximum Lift ID above/below OD	m	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40
Refrigerant - Additional Charge R410A	kg	9 + 9	9 + 9	9 + 6 + 6	9 + 6 + 6	9 + 9 + 6

# TOSHIBA

**SMMSu**  
SUPER MODULAR MULTI SYSTEM



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

Outdoor Reference	MMY-	UP5611HT8P-E	UP5811HT8P-E	UP6011HT8P-E	UP6211HT8P-E	UP6411HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
<b>Unit 2</b>	<b>MMY-</b>	<b>MUP2001HT8P-E</b>	<b>MUP2001HT8P-E</b>	<b>MUP2401HT8P-E</b>	<b>MUP2401HT8P-E</b>	<b>MUP2001HT8P-E</b>
Unit 3	MMY-	MUP1201HT8P-E	MUP1401HT8P-E	MUP1201HT8P-E	MUP1401HT8P-E	MUP2001HT8P-E
<b>System Retail Price</b>		<b>£39,726</b>	<b>£41,566</b>	<b>£42,172</b>	<b>£44,012</b>	<b>£44,476</b>
Rated Cooling Capacity	kW	156.5	163.0	167.5	174.0	179.0
Rated Heating Capacity	kW	156.5	163.0	167.5	174.0	179.0
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	6.92-4.27 - 273.8-167.8	7.34-4.34 - 290.6-170.6
Dimensions (HxWxD)	mm	1690 x 3610 x 780	1690 x 3610 x 780	1690 x 3610 x 780	1690 x 3610 x 780	1690 x 3910 x 780
Weight	kg	356 + 334 + 228	356 + 334 + 228	356 + 356 + 228	356 + 356 + 228	356 + 334 + 334
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 63+40+32	380-415/3/50 63+40+40	380-415/3/50 63+63+32	380-415/3/50 63+63+40	380-415/3/50 63+40+40
Pipe Connections (Gas - Liquid)	inch	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8
Max Pipe Length - Maximum Lift ID above/below OD	m	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40
Refrigerant - Additional Charge R410A	kg	9 + 9 + 6	9 + 9 + 6	9 + 9 + 6	9 + 9 + 6	9 + 9 + 9



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

Outdoor Reference	MMY-	UP6611HT8P-E	UP6811HT8P-E	UP7011HT8P-E	UP7211HT8P-E	UP7411HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2201HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3	MMY-	MUP2001HT8P-E	MUP2001HT8P-E	MUP2201HT8P-E	MUP2401HT8P-E	MUP1401HT8P-E
Unit 4	MMY-	-	-	-	-	MUP1201HT8P-E
System Retail Price		£45,444	£46,922	£47,890	£49,368	£53,272
Rated Cooling Capacity	kW	184.5	190.0	195.5	201.0	207.5
Rated Heating Capacity	kW	184.5	190.0	195.5	201.0	207.5
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.21-4.35 - 285.4-171.0	7.09-4.26 - 280.6-167.4	6.98-4.26 - 276.2-167.4	6.87-4.17 - 271.8-163.8	6.97-4.36 - 275.8-171.4
Dimensions (HxWxD)	mm	1690 x 3910 x 780	1690 x 3910 x 780	1690 x 3910 x 780	1690 x 3910 x 780	1690 x 4620 x 780
Weight	kg	356 + 356 + 334	356 + 356 + 334	356 + 356 + 356	356 + 356 + 356	356 + 356 + 228 + 228
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 63+50+40	380-415/3/50 63+63+40	380-415/3/50 63+63+50	380-415/3/50 63+63+63	380-415/3/50 63+63+40+32
Pipe Connections (Gas - Liquid)	inch	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8
Max Pipe Length - Maximum Lift ID above/below OD	m	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40
Refrigerant - Additional Charge R410A	kg	9 + 9 + 9	9 + 9 + 9	9 + 9 + 9	9 + 9 + 9	9 + 9 + 6 + 6

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

Outdoor Reference	MMY-	UP7611HT8P-E	UP7811HT8P-E	UP8011HT8P-E	UP8211HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2001HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3	MMY-	MUP1401HT8P-E	MUP2001HT8P-E	MUP2001HT8P-E	MUP2001HT8P-E
Unit 4	MMY-	MUP1401HT8P-E	MUP1401HT8P-E	MUP1201HT8P-E	MUP1401HT8P-E
System Retail Price		£55,112	£55,576	£56,182	£58,022
Rated Cooling Capacity	kW	214.0	219.0	223.5	230.0
Rated Heating Capacity	kW	214.0	219.0	223.5	230.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.93-4.33 - 274.2-170.2	7.30-4.39 - 289.0-172.6	7.14-4.34 - 282.6-170.6	7.10-4.32 - 281.0-169.8
Dimensions (HxWxD)	mm	1690 x 4620 x 780	1690 x 4920 x 780	1690 x 4920 x 780	1690 x 4920 x 780
Weight	kg	356 + 356 + 228 + 228	356 + 334 + 334 + 228	356 + 356 + 334 + 228	356 + 356 + 334 + 228
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 63+63+40+40	380-415/3/50 63+40+40+40	380-415/3/50 63+63+40+32	380-415/3/50 63+63+40+40
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8	2 1/8 - 7/8	2 1/8 - 7/8
Max Pipe Length - Maximum Lift ID above/below OD	m	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40
Refrigerant - Additional Charge R410A	kg	9 + 9 + 6 + 6	9 + 9 + 9 + 6	9 + 9 + 9 + 6	9 + 9 + 9 + 6



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

Outdoor Reference	MMY-	UP8411HT8P-E	UP8611HT8P-E	UP8811HT8P-E	UP9011HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2001HT8P-E	MUP2201HT8P-E
Unit 4	MMY-	MUP1201HT8P-E	MUP1401HT8P-E	MUP2001HT8P-E	MUP2001HT8P-E
System Retail Price		£58,628	£60,468	£60,932	£61,900
Rated Cooling Capacity	kW	234.5	241.0	246.0	251.5
Rated Heating Capacity	kW	234.5	241.0	246.0	251.5
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.95-4.26 - 275.0-167.4	6.91-4.25 - 273.4-167.0	7.21-4.30 - 285.4-169.0	7.12-4.30 - 281.8-169.0
Dimensions (HxWxD)	mm	1690 x 4920 x 780	1690 x 4920 x 780	1690 x 5220 x 780	1690 x 5220 x 780
Weight	kg	356 + 356 + 356 + 228	356 + 356 + 356 + 228	356 + 356 + 334 + 334	356 + 356 + 356 + 334
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 63+63+63+32	380-415/3/50 63+63+63+40	380-415/3/50 63+63+40+40	380-415/3/50 63+63+50+40
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8	2 1/8 - 7/8	2 1/8 - 7/8
Max Pipe Length - Maximum Lift ID above/below OD	m	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40
Refrigerant - Additional Charge R410A	kg	9 + 9 + 9 + 6	9 + 9 + 9 + 6	9 + 9 + 9 + 9	9 + 9 + 9 + 9

# TOSHIBA



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

Outdoor Reference	MMY-	UP9211HT8P-E	UP9411HT8P-E	UP9611HT8P-E	UP9811HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 4	MMY-	MUP2001HT8P-E	MUP2201HT8P-E	MUP2401HT8P-E	MUP1401HT8P-E
Unit 5	MMY-	-	-	-	MUP1201HT8P-E
<b>System Retail Price</b>		<b>£63,378</b>	<b>£64,346</b>	<b>£65,824</b>	<b>£69,728</b>

Rated Cooling Capacity	kW	257.0	262.5	268.0	274.5
Rated Heating Capacity	kW	257.0	262.5	268.0	274.5
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.03-4.24 - 278.2-166.6	6.95-4.24 - 275.0-166.6	6.87-4.17 - 271.8-163.8	6.95-4.31 - 275.0-169.4
Dimensions (HxWxD)	mm	1690 x 5220 x 780	1690 x 5220 x 780	1690 x 5220 x 780	1690 x 5930 x 780
Weight	kg	356 + 356 + 356 + 334	356 + 356 + 356 + 356	356 + 356 + 356 + 356	356 + 356 + 356 + 228 + 228
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 63+63+63+40	380-415/3/50 63+63+63+50	380-415/3/50 63+63+63+63	380-415/3/50 63+63+63+40+32
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8	2 1/8 - 7/8	2 1/8 - 7/8
Max Pipe Length - Maximum Lift ID above/below OD	m	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40
Refrigerant - Additional Charge R410A	kg	9 + 9 + 9 + 9	9 + 9 + 9 + 9	9 + 9 + 9 + 9	9 + 9 + 9 + 6 + 6





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

Outdoor Reference	MMY-	UP10011HT8P-E	UP10211HT8P-E	UP10411HT8P-E	UP10611HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3	MMY-	MUP2401HT8P-E	MUP2001HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 4	MMY-	MUP1401HT8P-E	MUP2001HT8P-E	MUP2001HT8P-E	MUP2001HT8P-E
Unit 5	MMY-	MUP1401HT8P-E	MUP1401HT8P-E	MUP1201HT8P-E	MUP1401HT8P-E
<b>System Retail Price</b>		<b>£71,568</b>	<b>£72,032</b>	<b>£72,638</b>	<b>£74,478</b>
Rated Cooling Capacity	kW	281.0	286.0	290.5	297.0
Rated Heating Capacity	kW	281.0	286.0	290.5	297.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.94-4.30 - 274.6-169.0	7.20-4.34 - 285.0-170.6	7.08-4.30 - 280.2-169.0	7.04-4.29 - 278.6-168.6
Dimensions (HxWxD)	mm	1690 x 5930 x 780	1690 x 6230 x 780	1690 x 6230 x 780	1690 x 6230 x 780
Weight	kg	356 + 356 + 356 + 228 + 228	356 + 356 + 334 + 334 + 228	356 + 356 + 356 + 334 + 228	356 + 356 + 356 + 334 + 228
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 63+63+63+40+40	380-415/3/50 63+63+40+40+40	380-415/3/50 63+63+63+40+32	380-415/3/50 63+63+63+40+40
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8	2 1/8 - 7/8	2 1/8 - 7/8
Max Pipe Length - Maximum Lift ID above/below OD	m	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40
Refrigerant - Additional Charge R410A	kg	9 + 9 + 9 + 6 + 6	9 + 9 + 9 + 9 + 6	9 + 9 + 9 + 9 + 6	9 + 9 + 9 + 9 + 6

# TOSHIBA



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

Outdoor Reference	MMY-	UP10811HT8P-E	UP11011HT8P-E	UP11211HT8P-E	UP11411HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 4	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2001HT8P-E	MUP2201HT8P-E
Unit 5	MMY-	MUP1201HT8P-E	MUP1401HT8P-E	MUP2001HT8P-E	MUP2001HT8P-E
<b>System Retail Price</b>		<b>£75,084</b>	<b>£76,924</b>	<b>£77,388</b>	<b>£78,356</b>

Rated Cooling Capacity	kW	301.5	308.0	313.0	318.5
Rated Heating Capacity	kW	301.5	308.0	313.0	318.5
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.93-4.24 - 274.2-166.6	6.90-4.23 - 273.0-166.2	7.13-4.28 - 282.2-168.2	7.07-4.28 - 279.8-168.2
Dimensions (HxWxD)	mm	1690 x 6230 x 780	1690 x 6230 x 780	1690 x 6530 x 780	1690 x 6530 x 780
Weight	kg	356 + 356 + 356 + 356 + 228	356 + 356 + 356 + 356 + 228	356 + 356 + 356 + 334 + 334	356 + 356 + 356 + 356 + 334
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 63+63+63+63+32	380-415/3/50 63+63+63+63+40	380-415/3/50 63+63+63+40+40	380-415/3/50 63+63+63+50+40
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8	2 1/8 - 7/8	2 1/8 - 7/8
Max Pipe Length - Maximum Lift ID above/below OD	m	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40
Refrigerant - Additional Charge R410A	kg	9 + 9 + 9 + 9 + 6	9 + 9 + 9 + 9 + 6	9 + 9 + 9 + 9 + 9	9 + 9 + 9 + 9 + 9



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

Outdoor Reference	MMY-	UP11611HT8P-E	UP11811HT8P-E	UP12011HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 4	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 5	MMY-	MUP2001HT8P-E	MUP2201HT8P-E	MUP2401HT8P-E
<b>System Retail Price</b>		<b>£79,834</b>	<b>£80,802</b>	<b>£82,280</b>
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>324.0</b>	<b>329.5</b>	<b>335.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>324.0</b>	<b>329.5</b>	<b>335.0</b>
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.00-4.22 - 277.0-165.8	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	1690 x 6530 x 780
Weight	kg	356 + 356 + 356 + 356 + 334	356 + 356 + 356 + 356 + 356	356 + 356 + 356 + 356 + 356
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 63+63+63+63+40	380-415/3/50 63+63+63+63+50	380-415/3/50 63+63+63+63+63
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8	2 1/8 - 7/8
Max Pipe Length - Maximum Lift ID above/below OD	m	1200 - 70 /40	1200 - 70 /40	1200 - 70 /40
Refrigerant - Additional Charge R410A	kg	9 + 9 + 9 + 9 + 9	9 + 9 + 9 + 9 + 9	9 + 9 + 9 + 9 + 9

# TOSHIBA



## SHRMe - VRF 3-Pipe Heat Recovery Outdoor Unit

Outdoor unit	MMY-	MAP0806FT8P-UK	MAP1006FT8P-UK	MAP1206FT8P-UK	MAP1406FT8P-UK
Outdoor Unit Retail Price		£7,908	£8,581	£11,301	£11,854
Rated Cooling Capacity	kW	22.4	28.0	33.5	40.0
Rated Heating Capacity	kW	22.4	28.0	33.5	40.0
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	5.61-3.57 - 221.4-138.5
Sound Pressure level - C	dB(A)	61	61	62	64
Dimensions (HxWxD)	mm	1830 x 990 x 780	1830 x 990 x 780	1830 x 1210 x 780	1830 x 1210 x 780
Weight	kg	263	263	316	316
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 20	380-415/3/50 25	380-415/3/50 25	380-415/3/50 32
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	1 1/8 - 7/8 - 5/8
Max Pipe Length - Maximum Lift ID above/below OD	m	1000 - 30/70	1000 - 30/70	1000 - 30/70	1000 - 30/70
Refrigerant - Additional Charge R410A	kg	11	11	11	11



## SHRMe - VRF 3-Pipe Heat Recovery Outdoor Unit (Continued)

Outdoor unit	MMY-	MAP1606FT8P-UK	MAP1806FT8P-UK	MAP2006FT8P-UK
Outdoor Unit Retail Price		£13,014	£13,908	£14,864
Rated Cooling Capacity	kW	45.0	50.4	56.0
Rated Heating Capacity	kW	45.0	50.4	56.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.72-3.50 - 225.8-135.8	5.89-3.59 - 232.6-139.3	5.64-3.59 - 222.6-139.3
Sound Pressure level - C	dB(A)	62	62	62
Dimensions (HxWxD)	mm	1830 x 1600 x 780	1830 x 1600 x 780	1830 x 1600 x 780
Weight	kg	377	377	377
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 40	380-415/3/50 40	380-415/3/50 50
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 - Maximum Lift ID above/below OD	m	1000 - 30/70	1000 - 30/70	1000 - 30/70
Refrigerant - Additional Charge R410A	kg	11	11	11

**TOSHIBA****SHRMe - VRF 3-Pipe Heat Recovery Outdoor Unit Combinations**

Outdoor Reference	MMY-	AP2216FT8P-UK	AP2416FT8P-UK	AP2616FT8P-UK	AP2816FT8P-UK
Unit 1	MMY-	MAP1206FT8P-UK	MAP1406FT8P-UK	MAP1406FT8P-UK	MAP1406FT8P-UK
Unit 2	MMY-	MAP1006FT8P-UK	MAP1006FT8P-UK	MAP1206FT8P-UK	MAP1406FT8P-UK
System Retail Price		£19,882	£20,435	£23,155	£23,708
Rated Cooling Capacity	kW	61.5	68.0	73.5	80.0
Rated Heating Capacity	kW	61.5	68.0	73.5	80.0
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	5.67-3.57 - 223.8-139.8
Sound pressure level - C	dB(A)	65	66	66.5	67.5
Dimensions (HxWxD)	mm	1830 x 2220 x 780	1830 x 2220 x 780	1830 x 2440 x 780	1830 x 2440 x 780
Weight	kg	316 + 263	316 + 263	316 + 316	316 + 316
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 25+25	380-415/3/50 32+25	380-415/3/50 32+25	380-415/3/50 32+32
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	1-3/8 - 1-1/8 - 7/8
Max Pipe Length - Maximum Lift ID above/below OD	m	300 - 70/30	300 - 70/30	300 - 70/30	300 - 70/30
Refrigerant - Additional Charge R410A	kg	11 + 11	11 + 11	11 + 11	11 + 11

# TOSHIBA



## SHRMe - VRF 3-Pipe Heat Recovery Outdoor Unit Combinations (Continued)

Outdoor Reference	MMY-	AP3016FT8P-UK	AP3216FT8P-UK	AP3416FT8P-UK	AP3616FT8P-UK
Unit 1	MMY-	MAP1606FT8P-UK	MAP1806FT8P-UK	MAP1806FT8P-UK	MAP1806FT8P-UK
Unit 2	MMY-	MAP1406FT8P-UK	MAP1406FT8P-UK	MAP1606FT8P-UK	MAP1806FT8P-UK
System Retail Price		£24,868	£25,762	£26,922	£27,816
Rated Cooling Capacity	kW	85.0	90.4	95.4	100.8
Rated Heating Capacity	kW	85.0	90.4	95.4	100.8
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.72-3.54 - 225.8-138.6	5.82-3.59 - 229.8-140.6	5.86-3.55 - 231.4-139.0	5.94-3.59 - 234.6-140.6
Sound pressure level - C	dB(A)	66.5	66.5	65.5	65.5
Dimensions (HxWxD)	mm	1830 x 2830 x 780	1830 x 2830 x 780	1830 x 3220 x 780	1830 x 3220 x 780
Weight	kg	377 + 316	377 + 316	377 + 377	377 + 377
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 40+32	380-415/3/50 40+32	380-415/3/50 40+40	380-415/3/50 40+40
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	1-5/8 - 1-3/8 - 7/8
Max Pipe Length - Maximum Lift ID above/below OD	m	300 - 70/30	300 - 70/30	300 - 70/30	1000 - 70/30
Refrigerant - Additional Charge R410A	kg	11 + 11	11 + 11	11 + 11	11 + 11



**TOSHIBA****SHRMe - VRF 3-Pipe Heat Recovery Outdoor Unit Combinations (Continued)**

Outdoor Reference	MMY-	AP3816FT8P-UK	AP4016FT8P-UK	AP4216FT8P-UK
Unit 1	MMY-	MAP2006FT8P-UK	MAP2006FT8P-UK	MAP1406FT8P-UK
Unit 2	MMY-	MAP1806FT8P-UK	MAP2006FT8P-UK	MAP1406FT8P-UK
Unit 3	MMY-	-	-	MAP1406FT8P-UK
System Retail Price		£28,772	£29,728	£35,562
Rated Cooling Capacity	kW	106.4	112.0	120.0
Rated Heating Capacity	kW	106.4	112.0	120.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.81-3.60 - 229.4-141.0	5.68-3.60 - 224.2-141.0	5.67-3.57 - 223.8-139.8
Sound pressure level - C	dB(A)	65.5	65.5	69
Dimensions (HxWxD)	mm	1830 x 3220 x 780	1830 x 3220 x 780	1830 x 3670 x 780
Weight	kg	377 + 377	377 + 377	316 + 316 + 316
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 50+40	380-415/3/50 50+50	380-415/3/50 32+32+32
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1-5/8 - 1-3/8 - 7/8	1-5/8 - 1-3/8 - 7/8	1-5/8 - 1-3/8 - 7/8
Max Pipe Length - Maximum Lift ID above/below OD	m	1000 - 70/30	1000 - 70/30	1000 - 70/30
Refrigerant - Additional Charge R410A	kg	11 + 11	11 + 11	11 + 11 + 11



# TOSHIBA



## SHRMe - VRF 3-Pipe Heat Recovery Outdoor Unit High Efficiency Combinations

Outdoor Reference	MMY-	AP1626FT8P-UK	AP1826FT8P-UK	AP2026FT8P-UK	AP2426FT8P-UK	AP2626FT8P-UK
Unit 1	MMY-	MAP0806FT8P-UK	MAP0806FT8P-UK	MAP1006FT8P-UK	MAP0806FT8P-UK	MAP0806FT8P-UK
Unit 2	MMY-	MAP0806FT8P-UK	MAP1006FT8P-UK	MAP1006FT8P-UK	MAP0806FT8P-UK	MAP0806FT8P-UK
Unit 3	MMY-	-	-	-	MAP0806FT8P-UK	MAP1006FT8P-UK
System Retail Price		£15,816	£16,489	£17,162	£23,724	£24,397

Rated Cooling Capacity	kW	44.8	50.4	56.0	67.2	72.8
Rated Heating Capacity	kW	44.8	50.4	56.0	67.2	72.8
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	6.19-3.64 - 244.6-142.6	6.17-3.61 - 243.4-141.0
Sound Pressure level - C	dB(A)	64	64	64	64	64
Dimensions (HxWxD)	mm	1830 x 2000 x 780	1830 x 2000 x 780	1830 x 2000 x 780	1830 x 3010 x 780	1830 x 3010 x 780
Weight	kg	263 + 263	263 + 263	263 + 263	263 + 263 + 263	263 + 263 + 263
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 20+20	380-415/3/50 20+25	380-415/3/50 25+25	380-415/3/50 20+20+20	380-415/3/50 20+20+25
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	1-3/8 - 1-1/8 - 3/4	1-3/8 - 1-1/8 - 7/8
Max Pipe Length - Maximum Lift ID above/below OD	m	300 - 70/30	300 - 70/30	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	11.0 + 11.0 + 11.0	11.0 + 11.0 + 11.0

**TOSHIBA****SHRMe - VRF 3-Pipe Heat Recovery Outdoor Unit High Efficiency Combinations**

Outdoor Reference	MMY-	AP2826FT8P-UK	AP3026FT8P-UK	AP3626FT8P-UK	AP4226FT8P-UK
Unit 1	MMY-	MAP0806FT8P-UK	MAP1006FT8P-UK	MAP1206FT8P-UK	MAP1606FT8P-UK
Unit 2	MMY-	MAP1006FT8P-UK	MAP1006FT8P-UK	MAP1206FT8P-UK	MAP1606FT8P-UK
Unit 3	MMY-	MAP1006FT8P-UK	MAP1006FT8P-UK	MAP1206FT8P-UK	MAP1006FT8P-UK
System Retail Price		£25,070	£25,743	£33,903	£34,609
Rated Cooling Capacity	kW	78.4	84.0	100.5	118.0
Rated Heating Capacity	kW	78.4	84.0	100.5	118.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.15-3.57 - 242.8-139.6	6.13-3.54 - 242.2-138.6	6.02-3.71 - 237.8-145.4	5.90-3.52 - 232.4-137.6
Sound pressure level - C	dB(A)	64	64	65	64.5
Dimensions (HxWxD)	mm	1830 x 3010 x 780	1830 x 3010 x 780	1830 x 3670 x 780	1830 x 4230 x 780
Weight	kg	263 + 263 + 263	263 + 263 + 263	316 + 316 + 316	377 + 377 + 263
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 20+25+25	380-415/3/50 25+25+25	380-415/3/50 25+25+25	380-415/3/50 40+40+25
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1-3/8 - 1-1/8 - 7/8	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 - Maximum Lift ID above/below OD	m	300 - 70/30	300 - 70/30	1000 - 70/30	1000 - 70/30
Refrigerant - Additional Charge R410A	kg	11.0 + 11.0 + 11.0	11 + 11 + 11	11 + 11 + 11	11 + 11 + 11



## VRF Indoor Units - Flow Selector Boxes

Flow Selector Unit	RBM-	Y1123FE	Y1803FE	Y2803FE	Y1124FE	Y1804FE	Y2804FE
Flow Selector Unit Retail Price		£751	£834	£1,307	£1,129	£1,252	£1,962
Height x Width x Depth	mm	190 x 490 x 160	190 x 490 x 160	200 x 640 x 200	180 x 425 x 300	180 x 425 x 300	180 x 495 x 350
Weight	kg	5	5	8	11	11	16
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	220-240/1/50	220-240/1/50	220-240/1/50

**TOSHIBA****VRF Indoor Units - Flow Selector Boxes**

<b>Multi Flow Selector Unit</b>	<b>RBM-</b>	<b>Y1801F4PE</b>	<b>Y1801F6PE</b>
<b>Flow Selector Unit Retail Price</b>		<b>£2,834</b>	<b>£4,251</b>
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. Connectable Indoor Units per Port		10	10
Max. Connectable Indoor Units		40	60
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

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## VRF R32 Outdoor Units (Heat Pump & Heat Recovery)

[MiNi SMMSe - VRF 2-pipe Heat Pump Outdoor Unit - 1 phase - R32](#)

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[SHRM-Advance - VRF 2-pipe \(Heat Pump\) and 3-pipe \(Heat Recovery\) Outdoor Units](#)

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[Flow Selector Boxes - R32](#)

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**TOSHIBA****TOSHIBA**  
MiNi-SMMS**Mini SMMSe - VRF 2-Pipe Heat Pump Outdoor Unit 1 phase**

Outdoor unit - Std	MCY-	MUG0401HSW-E	MUG0501HSW-E	MUG0601HSW-E
Outdoor Unit Retail Price		£4,710	£5,343	£5,754
Rated Cooling Capacity	kW	12.1	14.0	15.5
Rated Heating Capacity	kW	12.1	14.0	15.5
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 (H x W x D)	mm	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370
Weight	kg	100	100	100
Suggested Power Supply OD	V-ph-Hz-A	220/240-1-50 20	220/240-1-50 25	220/240-1-50 25
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Max Pipe Length - Maximum Lift ID above/below OD	m	100 - 20/30	100 - 20/30	100 - 20/30
Refrigerant Charge R32	kg	2.4	2.4	2.4

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## SHRMa - R32 VRF 2-Pipe & 3-Pipe Heat Recovery Outdoor Unit

Outdoor unit	MMY-	SUG0801MT8P-E	SUG1001MT8P-E	SUG1201MT8P-E	SUG1401MT8P-E	SUG1601MT8P-E
Outdoor Unit Retail Price		£8,212	£8,927	£11,819	£12,406	£13,676
Rated Cooling Capacity	kW	22.4	28.0	33.5	40.0	45.0
Rated Heating Capacity	kW	22.4	28.0	33.5	40.0	45.0
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	8.08-4.30 - 320.2-169.0	8.64-4.65 - 342.6-183.0
Dimensions (H x W x D)	mm	1690 x 990 x 780	1690 x 990 x 780	1690 x 990 x 780	1690 x 990 x 780	1690 x 1290 x 780
Weight	kg	232	232	232	232	329
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 20	380-415/3/50 32	380-415/3/50 32	380-415/3/50 40	380-415/3/50 40
2 Pipe Connections (Hot Gas - Liquid)	inch	5/8 - 1/2	3/4 - 1/2	3/4 - 1/2	3/4 - 1/2	7/8 - 5/8
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	1 1/8 - 3/4 - 1/2	1 1/8 - 7/8 - 5/8
Max Pipe Length - Maximum Lift ID above/below OD	m	500 - 40/90	500 - 40/90	500 - 40/90	500 - 40/90	500 - 40/90
Refrigerant - Additional Charge R32	kg	6.0	6.0	6.0	6.0	9.0



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## SHRMa - R32 VRF 2-Pipe & 3-Pipe Heat Recovery Outdoor Unit (Continued)

Outdoor unit	MMY-	SUG1801MT8P-E	SUG2001MT8P-E	SUG2201MT8P-E	SUG2401MT8P-E
Outdoor Unit Retail Price		£14,626	£15,642	£16,729	£17,893
Rated Cooling Capacity	kW	50.4	56.0	61.5	67.0
Rated Heating Capacity	kW	50.4	56.0	61.5	67.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.32-4.49 - 329.8-176.6	8.29-4.29 - 328.6-168.6	7.88-4.26 - 312.2-167.4	6.66-4.04 - 263.4-158.6
Dimensions (H x W x D)	mm	1690 x 1290 x 780	1690 x 1290 x 780	1690 x 1290 x 780	1690 x 1290 x 780
Weight	kg	329	361	361	361
Suggested Power Supply OD	V-ph-Hz-A	380-415/3/50 50	380-415/3/50 50	380-415/3/50 63	380-415/3/50 80
2 Pipe Connections (Hot Gas - Liquid)	inch	7/8 - 5/8	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	1 1/8 - 7/8 - 5/8
Max Pipe Length - Maximum Lift ID above/below OD	m	500 - 40/90	500 - 40/90	500 - 40/90	500 - 40/90
Refrigerant - Additional Charge R32	kg	9.0	9.0	9.0	9.0







## VRF Indoor Units - Flow Selector Boxes

Flow Selector Unit	RBM-	Y1121FUPE	Y1801FUPE	Y2801FUPE
Flow Selector Unit Retail Price		£1,089	£1,208	£1,894
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. Connectable 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

# TOSHIBA

## VRF Indoor Units - Flow Selector Boxes

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Multi Flow Selector Unit	RBM-	Y1801FU4PE	Y1801FU8PE	Y1801FU12PE
Flow Selector Unit Retail Price		£2,834	£4,251	£6,377
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. Connectable Indoor Units per Port		10	10	10
Max. Connectable 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

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### VRF Indoor Units - High wall (Continued)

Indoor unit	MMK-	UP0181HP-E	UP0241HP-E	UP0271HP-E	UP0301HP-E	UP0361HP-E
Indoor Unit Retail Price		£843	£929	£1,090	£1,147	£1,208
Rated Cooling Capacity	kW	5.6	7.1	8.0	9.0	11.2
Rated Heating Capacity	kW	6.3	8.0	9.0	10.0	12.5
Sound pressure level (H/M/L)	dB(A)	41-37-32	45-39-33	43-41-39	48-44-41	50-45-43
Dimensions (HxWxD)	mm	320 x 1050 x 250	320 x 1050 x 250	348 x 1200 x 280	348 x 1200 x 280	348 x 1200 x 280
Weight	kg	16	16	21	21	21
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 5	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	5/8 - 3/8

**TOSHIBA****VRF****VRF Indoor Units - High wall (Continued)**

Indoor unit	MMK-	UP0051DHPL-E	UP0071DHPL-E	UP0091DHPL-E	UP0121DHPL-E	UP0151DHPL-E	UP0181DHPL-E
VRF 2-Pipe Valve Kit	RBM-	PMV0361UP-E	PMV0361UP-E	PMV0361UP-E	PMV0361UP-E	PMV0901UP-E	PMV0901UP-E
Retail Price inc. VRF 2-Pipe Valve Kit		£1,138	£1,153	£1,165	£1,185	£1,330	£1,352
Rated Cooling Capacity	kW	1.7	2.2	2.8	3.6	4.5	5.6
Rated Heating Capacity	kW	1.9	2.5	3.2	4.0	5.0	6.3
Sound pressure level (H/M/L)	dB(A)	33/29/25	35/30/25	36/31/25	37/32/25	40/35/30	45/39/32
Dimensions (HxWxD)	mm	300 x 987 x 210	300 x 987 x 210	300 x 987 x 210	300 x 987 x 210	300 x 987 x 210	300 x 987 x 210
Weight	kg	11	11	11	11	11	11
Power supply	V-ph-Hz	220/240-1-50- 5	220/240-1-50- 5	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	1/2 - 1/4	1/2 - 1/4



### VRF Indoor Units - Smart Cassette

Indoor unit	MMU-	UP0091H-E	UP0121H-E	UP0151H-E	UP0181H-E	UP0241H-E
Facia Panel	RBC-	U41PG(W)-E	U41PG(W)-E	U41PG(W)-E	U41PG(W)-E	U41PG(W)-E
Indoor Unit Retail Price (Inc. Facia Panel)		£1,589	£1,712	£1,875	£1,959	£2,014
Rated Cooling Capacity	kW	2.8	3.6	4.5	5.6	7.1
Rated Heating Capacity	kW	3.2	4.0	5.0	6.3	8.0
Sound pressure level (H/M/L)	dB(A)	30-28-26	30-28-26	30-28-26	30-28-26	30-28-26
Dimensions (HxWxD) Indoor	mm	256 x 840 x 840	256 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	30 x 950 x 950
Weight Indoor/Panel	kg	18/5	18/5	25/5	25/5	25/5
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 5	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	5/8 - 3/8

**TOSHIBA****VRF****VRF Indoor Units - Smart Cassette (Continued)**

Indoor unit	MMU-	UP0271H-E	UP0301H-E	UP0361H-E	UP0481H-E	UP0561H-E
Facia Panel	RBC-	U41PG(W)-E	U41PG(W)-E	U41PG(W)-E	U41PG(W)-E	U41PG(W)-E
Indoor Unit Retail Price (Inc. Facia Panel)		£2,047	£2,106	£2,166	£2,275	£2,428
Rated Cooling Capacity	kW	8.0	9.0	11.2	14.0	16.0
Rated Heating Capacity	kW	9.0	10.0	12.5	16.0	18.0
Sound pressure level (H/M/L)	dB(A)	30-28-26	30-28-26	30-28-26	30-28-26	30-28-26
Dimensions (HxWxD) Indoor	mm	319 x 840 x 840	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	30 x 950 x 950
Weight Indoor/Panel	kg	25/5	25/5	25/5	25/5	25/5
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 5	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	5/8 - 3/8





### VRF Indoor Units - Compact Cassette

Indoor unit	MMU-	UP0051MH-E	UP0071MH-E	UP0091MH-E	UP0121MH-E	UP0151MH-E	UP0181MH-E
Facia Panel	RBC-	UM21PG(W)-E	UM21PG(W)-E	UM21PG(W)-E	UM21PG(W)-E	UM21PG(W)-E	UM21PG(W)-E
Indoor Unit Retail Price (Inc. Facia Panel)		£1,264	£1,290	£1,366	£1,414	£1,474	£1,551
Rated Cooling Capacity	kW	1.7	2.2	2.8	3.6	4.5	5.6
Rated Heating Capacity	kW	1.9	2.5	3.2	4.0	5.0	6.3
Sound pressure level (H/M/L)	dB(A)	32-30-29	37-33-29	38-33-29	38-34-30	40-35-31	47-39-34
Dimensions (HxWxD) Indoor	mm	256 x 575 x 575	256 x 575 x 575	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	12x620x620	12x620x620
Weight Indoor/Panel	kg	15/2.5	15/2.5	15/2.5	15/2.5	15/2.5	15/2.5
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 5	220/240-1-50- 5	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	1/2 - 1/4	1/2 - 1/4

**TOSHIBA****VRF****VRF Indoor Units - Cassette**

Indoor unit	MMU-	UP0091HP-E	UP0121HP-E	UP0151HP-E	UP0181HP-E	UP0241HP-E
Facia Panel	RBC-	U32PGP-E	U32PGP-E	U32PGP-E	U32PGP-E	U32PGP-E
Indoor Unit Retail Price (Inc. Facia Panel)		£1,179	£1,206	£1,259	£1,285	£1,331
Rated Cooling Capacity	kW	2.8	3.6	4.5	5.6	7.1
Rated Heating Capacity	kW	3.2	4.0	5.0	6.3	8.0
Sound pressure level (H/M/L)	dB(A)	30-29-27	30-29-27	31-29-27	32-29-27	35-31-28
Dimensions (HxWxD) Indoor	mm	256 x 840 x 840	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	30x950x950
Weight Indoor/Panel	kg	18/4	18/4	20/4	20/4	20/4
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 5	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	5/8 - 3/8



### VRF Indoor Units - Cassette (Continued)

Indoor unit	MMU-	UP0271HP-E	UP0301HP-E	UP0361HP-E	UP0481HP-E	UP0561HP-E
Facia Panel	RBC-	U32PGP-E	U32PGP-E	U32PGP-E	U32PGP-E	U32PGP-E
Indoor Unit Retail Price (Inc. Facia Panel)		£1,534	£1,654	£1,734	£1,801	£1,999
Rated Cooling Capacity	kW	8.0	9.0	11.2	14.0	16.0
Rated Heating Capacity	kW	9.0	10.0	12.5	16.0	18.0
Sound pressure level (H/M/L)	dB(A)	35-31-28	38-33-30	43-38-32	46-38-33	46-40-33
Dimensions (HxWxD) Indoor	mm	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
Dimensions (HxWxD) Panel	mm	30x950x950	30x950x950	30x950x950	30x950x950	30x950x950
Weight Indoor/Panel	kg	20/4	20/4	25/4	25/4	25/4
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 5	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	5/8 - 3/8

**TOSHIBA****VRF****VRF Indoor Units - 2-Way Cassette**

Indoor unit	MMU-	UP0071WH-E	UP0091WH-E	UP0121WH-E	UP0151WH-E	UP0181WH-E	UP0241WH-E
Facia Panel	RBC-	UW283PG(W)-E	UW283PG(W)-E	UW283PG(W)-E	UW283PG(W)-E	UW803PG(W)-E	UW803PG(W)-E
Indoor Unit Retail Price (Inc. Facia Panel)		£1,676	£1,721	£1,762	£1,819	£2,070	£2,170
Rated Cooling Capacity	kW	2.2	2.8	3.6	4.5	5.6	7.1
Rated Heating Capacity	kW	2.5	3.2	4.0	5.0	6.3	8.0
Sound pressure level (H/M/L)	dB(A)	34-32-30	34-32-30	34-32-30	35-33-30	35-33-30	38-35-33
Dimensions (HxWxD) Indoor	mm	295 x 815 x 570	295 x 815 x 570	295 x 815 x 570	295 x 815 x 570	345 x 1180 x 570	345 x 1180 x 570
Dimensions (HxWxD) Panel	mm	20x1050x680	20x1050x680	20x1050x680	20x1050x680	20x1415x680	20x1415x680
Weight Indoor/Panel	kg	18/10	18/10	18/10	18/10	26/14	26/14
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 5	220/240-1-50- 5	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	1/2 - 1/4	5/8 - 3/8



### VRF Indoor Units - 2-Way Cassette (Continued)

Indoor unit	MMU-	UP0271WH-E	UP0301WH-E	UP0361WH-E	UP0481WH-E	UP0561WH-E
Facia Panel	RBC-	UW803PG(W)-E	UW803PG(W)-E	UW1403PG(W)-E	UW1403PG(W)-E	UW1403PG(W)-E
Indoor Unit Retail Price (Inc. Facia Panel)		£2,430	£2,449	£2,915	£3,149	£3,408
Rated Cooling Capacity	kW	8.0	9.0	11.2	14.0	16.0
Rated Heating Capacity	kW	9.0	10.0	12.5	16.0	18.0
Sound pressure level (H/M/L)	dB(A)	38-35-33	40-37-34	42-39-36	43-40-37	46-42-39
Dimensions (HxWxD) Indoor	mm	345 x 1180 x 570	345 x 1180 x 570	345 x 1600 x 570	345 x 1600 x 570	345 x 1600 x 570
Dimensions (HxWxD) Panel	mm	20x1415x680	20x1415x680	20x1835x680	20x1835x680	20x1835x680
Weight Indoor/Panel	kg	26/14	26/14	36/14	36/14	36/14
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 5	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	5/8 - 3/8

**TOSHIBA****VRF****VRF Indoor Units - 1-Way Cassette**

Indoor unit	MMU-	UP0031YHP-E	UP0051YHP-E	UP0071YHP-E	UP0091YHP-E	UP0121YHP-E
Facia Panel	RBC-	UY32P-E	UY32P-E	UY32P-E	UY32P-E	UY32P-E
Indoor Unit Retail Price (Inc. Facia Panel)		£1,487	£1,522	£1,558	£1,596	£1,635
Rated Cooling Capacity	kW	0.9	1.7	2.2	2.8	3.6
Rated Heating Capacity	kW	1.3	1.9	2.5	3.2	4.0
Sound pressure level (H/M/L)	dB(A)	37-33-25	37-33-25	38-34-25	39-35-26	40-36-26
Dimensions (HxWxD) Indoor	mm	150 x 990 x 450	150 x 990 x 450	150 x 990 x 450	150 x 990 x 450	150 x 990 x 450
Dimensions (HxWxD) Panel	mm	30x1220x530	30x1220x530	30x1220x530	30x1220x530	30x1220x530
Weight Indoor/Panel	kg	14/4	14/4	14/4	14/4	14/4
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 5	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	3/8 - 1/4



### VRF Indoor Units - 1-Way Cassette (Continued)

Indoor unit	MMU-	UP0151YHP-E	UP0181YHP-E	UP0241YHP-E	UP0271YHP-E
Facia Panel	RBC-	UY42P-E	UY42P-E	UY42P-E	UY42P-E
Indoor Unit Retail Price (Inc. Facia Panel)		£1,788	£1,989	£2,091	£2,160
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>4.5</b>	<b>5.6</b>	<b>7.1</b>	<b>8.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>5.0</b>	<b>6.3</b>	<b>8.0</b>	<b>9.0</b>
Sound pressure level (H/M/L)	dB(A)	39-36-33	40-37-33	46-42-37	47-44-41
Dimensions (HxWxD) Indoor	mm	150 x 1180 x 450	150 x 1180 x 450	150 x 1180 x 450	150 x 1180 x 450
Dimensions (HxWxD) Panel	mm	30x1410x530	30x1410x530	30x1410x530	30x1410x530
Weight Indoor/Panel	kg	15/5	15/5	16/5	16/5
Suggested Power Supply	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

**TOSHIBA****VRF****VRF Indoor Units - Ceiling**

Indoor unit	MMC-	UP0151HP-E	UP0181HP-E	UP0241HP-E	UP0271HP-E	UP0361HP-E	UP0481HP-E	UP0561HP-E
Indoor Unit Retail Price		£1,419	£1,569	£1,662	£1,677	£1,702	£1,732	£1,853
Rated Cooling Capacity	kW	4.5	5.6	7.1	8.0	11.2	14.0	16.0
Rated Heating Capacity	kW	5.0	6.3	8.0	9.0	12.5	16.0	18.0
Sound pressure level (H/M/L)	dB(A)	36-34-28	36-34-28	36-34-28	36-34-28	36-34-28	36-34-28	36-34-28
Dimensions (HxWxD)	mm	235 x 952 x 690	235 x 952 x 690	235 x 1270 x 690	235 x 1270 x 690	235 x 1586 x 690	235 x 1586 x 690	235 x 1586 x 690
Weight	kg	24	24	30	30	39	39	39
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 5	220/240-1-50- 5	220/240-1-50- 5	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	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8





### VRF Indoor Units - Slim Ducted

Indoor unit	MMD-	UP0031SPHY-E	UP0051SPHY-E	UP0071SPHY-E	UP0091SPHY-E	UP0121SPHY-E
Indoor Unit Retail Price		£820	£824	£835	£851	£875
Rated Cooling Capacity	kW	0.9	1.7	2.2	2.8	3.6
Rated Heating Capacity	kW	1.0	1.9	2.5	3.2	4.0
Sound pressure level, rear suction (H/M/L)	dB(A)	29-27-25	30-28-26	31-29-26	32-29-26	33-30-27
Sound pressure level, bottom suction (H/M//L)	dB(A)	37-35-32	39-37-34	41-39-35	42-40-36	44-40-37
Max external static pressure	Pa	50	50	50	50	50
Dimensions (HxWxD)	mm	210 x 700 x 450	210 x 700 x 450	210 x 700 x 450	210 x 700 x 450	210 x 700 x 450
Weight	kg	15	15	15	15	15
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 5	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	3/8 - 1/4

**TOSHIBA****VRF****VRF Indoor Units - Slim Ducted (Continued)**

Indoor unit	MMD-	UP0151SPHY-E	UP0181SPHY-E	UP0241SPHY-E	UP0271SPHY-E
Indoor Unit Retail Price		£890	£935	£1,009	£1,090
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>4.5</b>	<b>5.6</b>	<b>7.1</b>	<b>8.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>5.0</b>	<b>6.3</b>	<b>8.0</b>	<b>9.0</b>
Sound pressure level, rear suction (H/M/L)	dB(A)	33-30-28	34-32-29	36-33-30	37-34-32
Sound pressure level, bottom suction (H/M//L)	dB(A)	42-39-37	44-42-39	47-44-41	48-45-43
Max external static pressure	Pa	50	50	50	50
Dimensions (HxWxD)	mm	210 x 900 x 450	210 x 900 x 450	210 x 1110 x 450	210 x 1110 x 450
Weight	kg	19	19	22	22
Suggested Power Supply	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 - Ducted

Indoor unit*	MMD-	UP0051BHP-E	UP0071BHP-E	UP0091BHP-E	UP0121BHP-E	UP0151BHP-E	UP0181BHP-E
Indoor Unit Retail Price		£918	£939	£966	£992	£1,021	£1,089
Rated Cooling Capacity	kW	1.7	2.2	2.8	3.6	4.5	5.6
Rated Heating Capacity	kW	1.9	2.5	3.2	4.0	5.0	6.3
Sound pressure level (H/M/L)	dB(A)	29-26-23	29-26-23	30-26-23	30-26-23	33-29-25	33-29-25
Max external static pressure	Pa	150	150	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	275 x 700 x 750	275 x 700 x 750
Weight	kg	23	23	23	23	23	23
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 5	220/240-1-50- 5	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	1/2 - 1/4	1/2 - 1/4

\* Vertical Conversion Kit (RBC-VCK1 - £654) available as an option

**TOSHIBA****VRF****VRF Indoor Units - Ducted (Continued)**

Indoor unit*	MMD-	UP0241BHP-E	UP0271BHP-E	UP0301BHP-E	UP0361BHP-E	UP0481BHP-E	UP0561BHP-E
Indoor Unit Retail Price		£1,138	£1,262	£1,347	£1,545	£1,653	£1,755
Rated Cooling Capacity	kW	7.1	8.0	9.0	11.2	14.0	16.0
Rated Heating Capacity	kW	8.0	9.0	10.0	12.5	16.0	18.0
Sound pressure level (H/M/L)	dB(A)	33-30-27	33-30-27	36-31-27	36-34-31	40-36-33	40-36-33
Max external static pressure	Pa	150	150	150	150	150	150
Dimensions (HxWxD)	mm	275 x 1000 x 750	275 x 1000 x 750	275 x 1000 x 750	275 x 1400 x 750	275 x 1400 x 750	275 x 1400 x 750
Weight	kg	30	30	30	40	40	40
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 5	220/240-1-50- 5	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	5/8 - 3/8	5/8 - 3/8

\* Vertical Conversion Kit (RBC-VCK1 - £654) available as an option

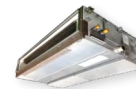


### VRF Indoor Units - High Static Ducted

Indoor unit	MMD-	UP0181HP-E	UP0241HP-E	UP0271HP-E	UP0361HP-E
Indoor Unit Retail Price		£1,390	£1,532	£1,598	£1,675
Rated Cooling Capacity	kW	5.6	7.1	8.0	11.2
Rated Heating Capacity	kW	6.3	8.0	9.0	12.5
Sound pressure level (H/M/L)	dB(A)	37-33-31	37-33-31	37-33-31	37-33-31
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 Supply	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

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## VRF Indoor Units - High Static Ducted (Continued)

Indoor unit	MMD-	UP0481HP-E	UP0561HP-E	UP0721HP-E1	UP0961HP-E1
Indoor Unit Retail Price		£1,854	£1,983	£3,347	£3,536
Rated Cooling Capacity	kW	14.0	16.0	22.4	28.0
Rated Heating Capacity	kW	16.0	18.0	25.0	31.5
Sound pressure level (H/M/L)	<b>dB(A)</b>	37-33-31	37-33-31	37-33-31	37-33-31
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 Supply	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



### VRF Indoor Units - Concealed

Indoor unit	MML-	UP0071BH-E	UP0091BH-E	UP0121BH-E	UP0151BH-E	UP0181BH-E	UP0241BH-E
Indoor Unit Retail Price		£1,127	£1,155	£1,189	£1,244	£1,323	£1,376
Rated Cooling Capacity	kW	2.2	2.8	3.6	4.5	5.6	7.1
Rated Heating Capacity	kW	2.5	3.2	4.0	5.0	6.3	8.0
Sound pressure level (H/M/L)	dB(A)	36-34-32	36-34-32	36-34-32	36-34-32	36-34-32	42-37-33
Dimensions (HxWxD)	mm	600 x 745 x 220	600 x 745 x 220	600 x 745 x 220	600 x 1045 x 220	600 x 1045 x 220	600 x 1045 x 220
Weight	kg	21	21	21	28	28	28
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 5	220/240-1-50- 5	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	1/2 - 1/4	5/8 - 3/8

**TOSHIBA****VRF****VRF Indoor Units - Cabinet**

Indoor unit	MML-	UP0071H-E	UP0091H-E	UP0121H-E	UP0151H-E	UP0181H-E	UP0241H-E
Indoor Unit Retail Price		£1,350	£1,383	£1,417	£1,489	£1,581	£1,649
Rated Cooling Capacity	kW	2.2	2.8	3.6	4.5	5.6	7.1
Rated Heating Capacity	kW	2.5	3.2	4.0	5.0	6.3	8.0
Sound pressure level (H/M/L)	dB(A)	39-37-35	39-37-35	45-41-38	45-41-38	49-44-39	49-44-39
Dimensions (HxWxD)	mm	630 x 950 x 230	630 x 950 x 230	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	38	38
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 5	220/240-1-50- 5	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	1/2 - 1/4	5/8 - 3/8





### VRF Indoor Units - Bi-Flow

Indoor unit	MML-	UP0071NHP-E	UP0091NHP-E	UP0121NHP-E	UP0151NHP-E	UP0181NHP-E
Indoor Unit Retail Price		£1,337	£1,441	£1,544	£1,648	£1,711
Rated Cooling Capacity	kW	2.2	2.8	3.6	4.5	5.6
Rated Heating Capacity	kW	2.5	3.2	4.0	5.0	6.3
Sound pressure level (H/M/L)	dB(A)	38-32-26	38-32-26	38-32-26	38-32-26	38-32-26
Dimensions (HxWxD)	mm	600 x 700 x 220	600 x 700 x 220	600 x 700 x 220	600 x 700 x 220	600 x 700 x 220
Weight	kg	17	17	17	17	17
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 5	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	1/2 - 1/4

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## VRF



### VRF Indoor Units - Floor-Standing

Indoor unit	MMF-	UP0151H-E	UP0181H-E	UP0241H-E	UP0271H-E	UP0361H-E	UP0481H-E	UP0561H-E
Indoor Unit Retail Price		£1,922	£2,040	£2,129	£2,191	£2,257	£2,370	£2,488
Rated Cooling Capacity	kW	4.5	5.6	7.1	8.0	11.2	14.0	16.0
Rated Heating Capacity	kW	5.0	6.3	8.0	9.0	12.5	16.0	18.0
Sound pressure level (H/M/L)	dB(A)	46-42-38	46-42-38	46-42-38	46-42-38	46-42-38	46-42-38	46-42-38
Dimensions (HxWxD)	mm	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 390	1750 x 600 x 390	1750 x 600 x 390
Weight	kg	46	46	47	47	61	61	61
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 5	220/240-1-50- 5	220/240-1-50- 5	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	1/2 - 3/8	1/2 - 3/8	1/2 - 3/8



### VRF Indoor Units - Fresh Air Intake

Indoor unit	MMD-	UP0481HFP-E	UP0721HFP-E1	UP0961HFP-E1	UP1121HFP-E1	UP1281HFP-E1
Indoor Unit Retail Price		£2,500	£4,139	£4,373	£4,679	£5,007
Rated Cooling Capacity	kW	14.0	22.4	28.0	33.5	40.0
Rated Heating Capacity	kW	8.9	13.9	17.4	20.8	25.2
Sound pressure level (H/M/L)	dB(A)	38-35-31	38-35-31	38-35-31	38-35-31	38-35-31
Max external static pressure	Pa	200	200	200	200	200
Dimensions (HxWxD)	mm	327 x 1430 x 750	477 x 1430 x 900	477 x 1430 x 900	477 x 1430 x 900	477 x 1430 x 900
Weight	kg	44	99	99	99	99
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 10	220/240-1-50- 15	220/240-1-50- 15	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	7/8 - 1/2	1-1/8 - 5/8

**TOSHIBA****VRF****VRF Indoor Units - Hot Water Module**

Indoor unit	MMW-	UP0271LQ-E	UP0561LQ-E	AP0481CHQ-E
Indoor Unit Retail Price		£3,395	£3,481	£7,478
Rated Cooling Capacity	kW	8.0	16.0	14.0
Rated Heating Capacity	kW	25.0	27.0	44.0
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 Supply	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 connectable to SMMSu 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
<b>Outdoor Unit Retail Price (Inc. EEV)</b>		<b>£7,573</b>	<b>£8,209</b>
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 Supply	V-ph-Hz-A	380/415-3-50 20	380/415-3-50 25
<b>Control Panel</b>	<b>RBC-</b>	<b>DXC031</b>	<b>DXC031</b>
<b>Control Panel Retail Price</b>		<b>£898</b>	<b>£898</b>
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8
Suggested Power Supply	V/ph/Hz	220/240-1-50- 6	220/240-1-50- 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil
<b>Cooling</b>	<b>kW</b>	<b>22.4</b>	<b>28.0</b>
<b>Heating</b>	<b>kW</b>	<b>25.0</b>	<b>31.5</b>
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

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## VRF



### VRF Air Handling Unit Application Single-Circuit DX Coils

System Capacity Or Combination Capacity	HP	4	5	4	5	6
Control Panel	MM-	DXC010	DXC010	DXC010	DXC010	DXC010
DXC010 Control Panel Retail Price*		£706	£706	£706	£706	£706
Dimensions (HxWxD)	mm	400 x 300 x 150	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	8
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 6	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	AMTU31-E
DX Coil Valve Kit Header	MM-	DXV140	DXV140	DXV140	DXV140	DXV140
DX Coil Valve Kit Price		£331	£331	£331	£331	£331
AHU DX Coil Design (third party supply)		AHU DX COIL	AHU DX COIL	AHU DX COIL	AHU DX COIL	AHU DX COIL
Cooling Capacity	kW	11.2	14.0	11.2	14.0	16.0
Heating Capacity	kW	12.5	16.0	12.5	16.0	18.0
Air Volume	m3/hr	1280 - 1920	1680 - 2520	1280 - 1920	1680 - 2520	1850 - 3740
Coil Volume	cm3	1700 - 2300	2125 - 2875	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	9.52 - 3/8
Evaporating Temperature Range	°C	6.5	6.5	6.5	6.5	6.5
Suction Superheat (Target)	K	5	5	5	5	5
Interface / Valve Retail Price		£1,037	£1,037	£1,037	£1,037	£1,037

\* Control Panel retail price includes controller



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

System Capacity Or Combination Capacity	HP	4	5	6	8	10
Control Panel	MM-	DXC010	DXC010	DXC010	DXC010	DXC010
DXC010 Control Panel Retail Price*		£706	£706	£706	£706	£706
Dimensions (HxWxD)	mm	400 x 300 x 150	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	8
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 6	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	AMTU31-E
DX Coil Valve Kit Header	MM-	DXV140	DXV140	DXV140	DXV280	DXV280
DX Coil Valve Kit Price		£331	£331	£331	£331	£331
AHU DX Coil Design (third party supply)		AHU DX COIL	AHU DX COIL	AHU DX COIL	AHU DX COIL	AHU DX COIL
Cooling Capacity	kW	11.2	14.0	16.0	22.4	28.0
Heating Capacity	kW	12.5	16.0	18.0	22.4	28.0
Air Volume	m3/hr	1280 - 1920	1680 - 2520	1850 - 3740	2880 - 4320	3360 - 5040
Coil Volume	cm3	1700 - 2300	2125 - 2875	2550 - 3450	3400 - 4600	4250 - 5750
Coil Diameter	mm - "	9.52 - 3/8	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	6.5
Suction Superheat (Target)	K	5	5	5	5	5
Interface/Valve Retail Price		£1,037	£1,037	£1,037	£1,037	£1,037

\* Control Panel retail price includes controller

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## VRF



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

Interface/Valve Retail Price		£1,082	£1,082	£1,082	£1,082	£1,082
<b>Dx-coil controller(s)</b>	<b>TCB-IFDMX01UP-E</b>	<b>£633</b>	<b>£633</b>	<b>£633</b>	<b>£633</b>	<b>£633</b>
<b>Dx-Valve kit(s)</b>		<b>£449</b>	<b>£449</b>	<b>£449</b>	<b>£449</b>	<b>£449</b>
Interface/Valve Retail Price		£1,350	£1,350	£1,350	£1,350	£1,350
<b>Dx-coil controller</b>	<b>TCB-IFDMR01UP-E</b>	<b>£901</b>	<b>£901</b>	<b>£901</b>	<b>£901</b>	<b>£901</b>
<b>Dx-Valve kit(s)</b>		<b>£449</b>	<b>£449</b>	<b>£449</b>	<b>£449</b>	<b>£449</b>
Outdoor Combinations	HP	8	10	12	14	16
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	1	1	1	1	1
RBM-A101UPVA-E Dx-Valve kit(s)	No.	1	1	1	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	-	-	-	1	1
HEX circuit(s) Interlaced, Split face	No.	1	1	1	1	1
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	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	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1	4.1/1	4.1/1
Suggested Power Supply (Dx-controller)	V-ph-Hz-A	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>22.4</b>	<b>28.0</b>	<b>33.5</b>	<b>40.0</b>	<b>45.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>22.4</b>	<b>28.0</b>	<b>33.5</b>	<b>40.0</b>	<b>45.0</b>
Air Volume	m3/hr	2880 - 4320	3360 - 5040	4240 - 6400	4920 - 7420	5760 - 8640
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	3400 - 4600 9.52- 3/8	4250 - 5750 9.52 - 3/8	5100 - 6900 9.52 - 3/8	5950 - 8050 9.52 - 3/8	6800 - 9200 9.52- 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	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)

<b>Interface/Valve Retail Price</b>		<b>£2,164</b>	<b>£1,082</b>	<b>£2,164</b>	<b>£1,082</b>	<b>£2,164</b>
<b>Dx-coil controller(s)</b>	<b>TCB-IFDMX01UP-E</b>	<b>£1,266</b>	<b>£633</b>	<b>£1,266</b>	<b>£633</b>	<b>£1,266</b>
<b>Dx-Valve kit(s)</b>		<b>£898</b>	<b>£449</b>	<b>£898</b>	<b>£449</b>	<b>£898</b>
<b>Interface/Valve Retail Price</b>		<b>£2,700</b>	<b>£1,350</b>	<b>£2,700</b>	<b>£1,350</b>	<b>£2,700</b>
<b>Dx-coil controller</b>	<b>TCB-IFDMR01UP-E</b>	<b>£1,802</b>	<b>£901</b>	<b>£1,802</b>	<b>£901</b>	<b>£1,802</b>
<b>Dx-Valve kit(s)</b>		<b>£898</b>	<b>£449</b>	<b>£898</b>	<b>£449</b>	<b>£898</b>
Outdoor Combinations	HP	8+8	18	8+10	20	10+10
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	2	1	2	1	2
RBM-A101UPVA-E Dx-Valve kit(s)	No.	2	-	2	-	2
RBM-A201UPVA-E Dx-Valve kit(s)	No.	-	1	-	1	-
HEX circuit(s) Interlaced, Split face	No.	2	1	2	1	2
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	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	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1	4.1/1	4.1/1
Suggested Power Supply (Dx-controller)	V-ph-Hz-A	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>44.8</b>	<b>50.4</b>	<b>50.4</b>	<b>56.0</b>	<b>56.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>44.8</b>	<b>50.4</b>	<b>50.4</b>	<b>56.0</b>	<b>56.0</b>
Air Volume	m <sup>3</sup> /hr	5760 - 8640	6240 - 9360	6240 - 9360	6720 - 10080	6720 - 10080
HEX Coil Volume (min-max) / Diameter	cm <sup>3</sup> /mm (inch)	6800 - 9200 9.52- 3/8	7650 - 10350 9.52 - 3/8	7650 - 10350 9.52 - 3/8	8500 - 11500 9.52 - 3/8	8500 - 11500 9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	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



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

Interface/Valve Retail Price		£2,164	£1,531	£2,164	£3,246	£3,246
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,266	£633	£1,266	£1,899	£1,899
Dx-Valve kit(s)		£898	£898	£898	£1,347	£1,347
Interface/Valve Retail Price		£2,700	£1,799	£2,700	£4,050	£4,050
Dx-coil controller	TCB-IFDMR01UP-E	£1,802	£901	£1,802	£2,703	£2,703
Dx-Valve kit(s)		£898	£898	£898	£1,347	£1,347
Outdoor Combinations	HP	12+10	24	12+12	8+8+8	10+8+8
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	2	1	2	3	3
RBM-A101UPVA-E Dx-Valve kit(s)	No.	2	2	2	-	3
RBM-A201UPVA-E Dx-Valve kit(s)	No.	-	-	-	3	-
HEX circuit(s) Interlaced, Split face	No.	2	1	2		3
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	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	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1	4.1/1	4.1/1
Suggested Power Supply (Dx-controller)	V-ph-Hz-A	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6
Rated Cooling Capacity	kW	61.5	67.0	67.0	67.2	72.8
Rated Heating Capacity	kW	61.5	67.0	67.0	67.2	72.8
Air Volume	m3/hr	7620 - 11490	8290 - 12510	8290 - 12510	8290 - 12510	8970 - 13530
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	"9350 - 12650 9.52 - 3/8 "	"10200 - 13800 9.52 -3/8 "	"10200 - 13800 9.52 -3/8 "	"10200 - 13800 9.52 -3/8 "	11050 - 14950 9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	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)

<b>Interface/Valve Retail Price</b>		<b>£1,531</b>	<b>£2,164</b>	<b>£3,246</b>	<b>£3,246</b>	<b>£1,531</b>
<b>Dx-coil controller(s)</b>	<b>TCB-IFDMX01UP-E</b>	<b>£633</b>	<b>£1,266</b>	<b>£1,899</b>	<b>£1,899</b>	<b>£633</b>
<b>Dx-Valve kit(s)</b>		<b>£898</b>	<b>£898</b>	<b>£1,347</b>	<b>£1,347</b>	<b>£898</b>
<b>Interface/Valve Retail Price</b>		<b>£1,799</b>	<b>£2,700</b>	<b>£4,050</b>	<b>£4,050</b>	<b>£1,799</b>
<b>Dx-coil controller</b>	<b>TCB-IFDMR01UP-E</b>	<b>£901</b>	<b>£1,802</b>	<b>£2,703</b>	<b>£2,703</b>	<b>£901</b>
<b>Dx-Valve kit(s)</b>		<b>£898</b>	<b>£898</b>	<b>£1,347</b>	<b>£1,347</b>	<b>£898</b>
Outdoor Combinations	HP	14+14	14+14	10+10+8	10+10+10	16+16
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	1	2	3	3	1
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	3	3	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	2	2	-	-	2
HEX circuit(s) Interlaced, Split face	No.	1	2	3	3	1
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	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	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1	4.1/1	4.1/1
Suggested Power Supply (Dx-controller)	V-ph-Hz-A	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>80.0</b>	<b>80.0</b>	<b>72.8</b>	<b>84.0</b>	<b>90.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>80.0</b>	<b>80.0</b>	<b>72.8</b>	<b>84.0</b>	<b>90.0</b>
Air Volume	m3/hr	9650 - 14550	9650 - 14550	9650 - 14550	10320 - 15570	11520 - 17280
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	11900 - 16100 9.52 - 3/8	11900 - 16100 9.52 - 3/8	11900 - 16100 9.52 - 3/8	12750 - 17250 9.52 - 3/8	13600 - 18400 9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	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



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

<b>Interface/Valve Retail Price</b>		<b>£2,164</b>	<b>£2,164</b>	<b>£1,531</b>	<b>£2,164</b>	<b>£2,164</b>
<b>Dx-coil controller(s)</b>	<b>TCB-IFDMX01UP-E</b>	<b>£1,266</b>	<b>£1,266</b>	<b>£633</b>	<b>£1,266</b>	<b>£1,266</b>
<b>Dx-Valve kit(s)</b>		<b>£898</b>	<b>£898</b>	<b>£898</b>	<b>£898</b>	<b>£898</b>
<b>Interface/Valve Retail Price</b>		<b>£2,700</b>	<b>£2,700</b>	<b>£1,799</b>	<b>£2,700</b>	<b>£2,700</b>
<b>Dx-coil controller</b>	<b>TCB-IFDMR01UP-E</b>	<b>£1,802</b>	<b>£1,802</b>	<b>£901</b>	<b>£1,802</b>	<b>£1,802</b>
<b>Dx-Valve kit(s)</b>		<b>£898</b>	<b>£898</b>	<b>£898</b>	<b>£898</b>	<b>£898</b>
Outdoor Combinations	HP	16+16	18+16	18+18	18+18	20+18
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	2	2	1	2	2
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	2	2	2	2	2
HEX circuit(s) Interlaced, Split face	No.	2	2	1	2	2
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	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	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1	4.1/1	4.1/1
Suggested Power Supply (Dx-controller)	V-ph-Hz-A	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>90.0</b>	<b>95.4</b>	<b>100.8</b>	<b>100.8</b>	<b>106.4</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>90.0</b>	<b>95.4</b>	<b>100.8</b>	<b>100.8</b>	<b>106.4</b>
Air Volume	m <sup>3</sup> /hr	11520 - 17280	11670 - 17610	12480 - 18720	12480 - 18720	13030 - 19650
HEX Coil Volume (min-max) / Diameter	cm <sup>3</sup> /mm (inch)	13600 - 18400 9.52 - 3/8	14450 - 19550 9.52 - 3/8	15300 - 20700 9.52 - 3/8	15300 - 20700 9.52 - 3/8	16150 - 21850 9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	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)

<b>Interface/Valve Retail Price</b>		<b>£1,531</b>	<b>£2,164</b>	<b>£3,246</b>	<b>£3,246</b>	<b>£3,246</b>
<b>Dx-coil controller(s)</b>	<b>TCB-IFDMX01UP-E</b>	<b>£633</b>	<b>£1,266</b>	<b>£1,899</b>	<b>£1,899</b>	<b>£1,899</b>
<b>Dx-Valve kit(s)</b>		<b>£898</b>	<b>£898</b>	<b>£1,347</b>	<b>£1,347</b>	<b>£1,347</b>
<b>Interface/Valve Retail Price</b>		<b>£1,799</b>	<b>£2,700</b>	<b>£4,050</b>	<b>£4,050</b>	<b>£4,050</b>
<b>Dx-coil controller</b>	<b>TCB-IFDMR01UP-E</b>	<b>£901</b>	<b>£1,802</b>	<b>£2,703</b>	<b>£2,703</b>	<b>£2,703</b>
<b>Dx-Valve kit(s)</b>		<b>£898</b>	<b>£898</b>	<b>£1,347</b>	<b>£1,347</b>	<b>£1,347</b>
Outdoor Combinations	HP	20+20	20+20	14+14+14	16+14+14	16+16+14
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	1	2	3	3	3
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	2	2	3	3	3
HEX circuit(s) Interlaced, Split face	No.	1	2	3	3	3
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	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	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1	4.1/1	4.1/1
Suggested Power Supply (Dx-controller)	V-ph-Hz-A	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>112.0</b>	<b>112.0</b>	<b>120.0</b>	<b>125.0</b>	<b>130.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>112.0</b>	<b>112.0</b>	<b>120.0</b>	<b>125.0</b>	<b>130.0</b>
Air Volume	m3/hr	13440 - 21160	13440 - 21160	14380 - 21690	15050 - 22710	15730 - 23730
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	17000 - 23000 9.52 - 3/8	17000 - 23000 9.52 - 3/8	17850 - 24150 9.52 - 3/8	18700 - 25300 9.52 - 3/8	19550 - 26450 9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	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



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

<b>Interface/Valve Retail Price</b>		<b>£3,062</b>	<b>£3,246</b>	<b>£3,246</b>	<b>£3,246</b>	<b>£3,246</b>
<b>Dx-coil controller(s)</b>	<b>TCB-IFDMX01UP-E</b>	<b>£1,266</b>	<b>£1,899</b>	<b>£1,899</b>	<b>£1,899</b>	<b>£1,899</b>
<b>Dx-Valve kit(s)</b>		<b>£1,796</b>	<b>£1,347</b>	<b>£1,347</b>	<b>£1,347</b>	<b>£1,347</b>
<b>Interface/Valve Retail Price</b>		<b>£3,598</b>	<b>£4,050</b>	<b>£4,050</b>	<b>£4,050</b>	<b>£4,050</b>
<b>Dx-coil controller</b>	<b>TCB-IFDMR01UP-E</b>	<b>£1,802</b>	<b>£2,703</b>	<b>£2,703</b>	<b>£2,703</b>	<b>£2,703</b>
<b>Dx-Valve kit(s)</b>		<b>£1,796</b>	<b>£1,347</b>	<b>£1,347</b>	<b>£1,347</b>	<b>£1,347</b>
Outdoor Combinations	HP	24+24	16+16+16	18+16+16	18+18+16	18+18+18
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	2	3	3	3	3
RBM-A101UPVA-E Dx-Valve kit(s)	No.	4	-	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	-	3	3	3	3
HEX circuit(s) Interlaced, Split face	No.	2	3	3	3	3
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	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	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1	4.1/1	4.1/1
Suggested Power Supply (Dx-controller)	V-ph-Hz-A	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>134.0</b>	<b>135.0</b>	<b>140.4</b>	<b>145.8</b>	<b>151.2</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>134.0</b>	<b>135.0</b>	<b>140.4</b>	<b>145.8</b>	<b>151.2</b>
Air Volume	m3/hr	16320 - 24480	16320 - 24480	17080 - 25760	17760 - 26780	18720 - 28080
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	20400 - 27600 9.52 - 3/8	20400 - 27600 9.52 - 3/8	21250 - 28750 9.52 - 3/8	22100 - 29900 9.52 - 3/8	22950 - 31050 9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	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		£3,062	£3,246	£4,328	£3,246	£3,246
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,266	£1,899	£2,532	£1,899	£1,899
Dx-Valve kit(s)		£1,796	£1,347	£1,796	£1,347	£1,347
Interface/Valve Retail Price		£3,598	£4,050	£5,400	£4,050	£4,050
Dx-coil controller	TCB-IFDMR01UP-E	£1,802	£2,703	£3,604	£2,703	£2,703
Dx-Valve kit(s)			£1,347	£1,796	£1,347	£1,347
Outdoor Combinations	HP	14+14+14+14	20+18+18	14+14+14+14	20+20+18	20+20+20
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	2	3	4	3	3
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	4	3	4	3	3
HEX circuit(s) Interlaced, Split face	No.	2	3	4	3	3
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	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	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1	4.1/1	4.1/1
Suggested Power Supply (Dx-controller)	V-ph-Hz-A	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>160.0</b>	<b>156.8</b>	<b>160.0</b>	<b>162.4</b>	<b>168.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>160.0</b>	<b>156.8</b>	<b>160.0</b>	<b>162.4</b>	<b>168.0</b>
Air Volume	m3/hr	19110 - 28820	19110 - 28820	19110 - 28820	19780 - 29840	20160 - 30240
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	23800 - 32200 9.52 - 3/8	23800 - 32200 9.52 - 3/8	23800 - 32200 9.52 - 3/8	24650 - 33350 9.52 - 3/8	25500 - 34500 9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	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



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

<b>Interface/Valve Retail Price</b>		<b>£4,328</b>	<b>£3,062</b>	<b>£4,328</b>	<b>£4,328</b>	<b>£4,328</b>
<b>Dx-coil controller(s)</b>	<b>TCB-IFDMX01UP-E</b>	<b>£2,532</b>	<b>£1,266</b>	<b>£2,532</b>	<b>£2,532</b>	<b>£2,532</b>
<b>Dx-Valve kit(s)</b>		<b>£1,796</b>	<b>£1,796</b>	<b>£1,796</b>	<b>£1,796</b>	<b>£1,796</b>
<b>Interface/Valve Retail Price</b>		<b>£5,400</b>	<b>£3,598</b>	<b>£5,400</b>	<b>£5,400</b>	<b>£5,400</b>
<b>Dx-coil controller</b>	<b>TCB-IFDMR01UP-E</b>	<b>£3,604</b>	<b>£1,802</b>	<b>£3,604</b>	<b>£3,604</b>	<b>£3,604</b>
<b>Dx-Valve kit(s)</b>		<b>£1,796</b>	<b>£1,796</b>	<b>£1,796</b>	<b>£1,796</b>	<b>£1,796</b>
Outdoor Combinations	HP	16+16+16+14	16+16+16+16	16+16+16+16	18+16+16+16	18+18+16+16
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	4	2	4	4	4
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	4	4	4	4	4
HEX circuit(s) Interlaced, Split face	No.	4	2	4	4	4
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	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	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1	4.1/1	4.1/1
Suggested Power Supply (Dx-controller)	V-ph-Hz-A	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>175.0</b>	<b>180.0</b>	<b>180.0</b>	<b>185.4</b>	<b>190.8</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>175.0</b>	<b>180.0</b>	<b>180.0</b>	<b>185.4</b>	<b>190.8</b>
Air Volume	m3/hr	21140 - 31880	21810 - 32900	21810 - 32900	22490 - 33920	23160 - 34940
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	26350 - 35650 9.52 - 3/8	27200 - 36800 9.52 - 3/8	27200 - 36800 9.52 - 3/8	28050 - 37950 9.52 - 3/8	28900 - 39100 9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	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		£4,328	£3,062	£4,328	£4,328	£4,328
Dx-coil controller(s)	TCB-IFDMX01UP-E	£2,532	£1,266	£2,532	£2,532	£2,532
Dx-Valve kit(s)		£1,796	£1,796	£1,796	£1,796	£1,796
Interface/Valve Retail Price		£5,400	£3,598	£5,400	£5,400	£5,400
Dx-coil controller	TCB-IFDMR01UP-E	£3,604	£1,802	£3,604	£3,604	£3,604
Dx-Valve kit(s)		£1,796	£1,796	£1,796	£1,796	£1,796
Outdoor Combinations	HP	18+18+18+16	18+18+18+18	18+18+18+18	20+18+18+18	20+20+18+18
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	4	2	4	4	4
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	4	4	4	4	4
HEX circuit(s) Interlaced, Split face	No.	4	2	4	4	4
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	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	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1	4.1/1	4.1/1
Suggested Power Supply (Dx-controller)	V-ph-Hz-A	220/240-1-50- 6	220/240-1-50- 6	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	207.2	212.8
Rated Heating Capacity	kW	196.2	201.6	201.6	207.2	212.8
Air Volume	m3/hr	23840 - 35960	24520 - 36980	24520 - 36980	25190 - 38000	25870 - 39010
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	29750 - 40250 9.52 - 3/8	30600 - 41400 9.52 - 3/8	30600 - 41400 9.52 - 3/8	31450 - 42550 9.52 - 3/8	32300 - 43700 9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	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



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

<b>Interface/Valve Retail Price</b>		<b>£4,328</b>	<b>£3,062</b>	<b>£4,328</b>	<b>£5,410</b>	<b>£4,593</b>
<b>Dx-coil controller(s)</b>	<b>TCB-IFDMX01UP-E</b>	<b>£2,532</b>	<b>£1,266</b>	<b>£2,532</b>	<b>£3,165</b>	<b>£1,899</b>
<b>Dx-Valve kit(s)</b>		<b>£1,796</b>	<b>£1,796</b>	<b>£1,796</b>	<b>£2,245</b>	<b>£2,694</b>
<b>Interface/Valve Retail Price</b>		<b>£5,400</b>	<b>£3,598</b>	<b>£5,400</b>	<b>£6,750</b>	<b>£5,397</b>
<b>Dx-coil controller</b>	<b>TCB-IFDMR01UP-E</b>	<b>£3,604</b>	<b>£1,802</b>	<b>£3,604</b>	<b>£4,505</b>	<b>£2,703</b>
<b>Dx-Valve kit(s)</b>		<b>£1,796</b>	<b>£1,796</b>	<b>£1,796</b>	<b>£2,245</b>	<b>£2,694</b>
Outdoor Combinations	HP	20+20+20+18	20+20+20+20	20+20+20+20	18+16+16+16+16	14+14+14+14+14+14
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	4	2	4	5	3
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	4	4	4	5	6
HEX circuit(s) Interlaced, Split face	No.	4	2	4	5	3
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	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	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1	4.1/1	4.1/1
Suggested Power Supply (Dx-controller)	V-ph-Hz-A	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>218.4</b>	<b>224.0</b>	<b>224.0</b>	<b>230.4</b>	<b>240.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>218.4</b>	<b>224.0</b>	<b>224.0</b>	<b>230.4</b>	<b>240.0</b>
Air Volume	m3/hr	26540 - 40030	27220 - 41050	27220 - 41050	27890 - 42070	28570 - 43090
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	33150 - 44850 9.52 - 3/8	34000 - 46000 9.52 - 3/8	34000 - 46000 9.52 - 3/8	34850 - 47150 9.52 - 3/8	35700 - 48300 9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	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		£5,859	£6,492	£5,410	£5,410	£5,410
Dx-coil controller(s)	TCB-IFDMX01UP-E	£3,165	£3,798	£3,165	£3,165	£3,165
Dx-Valve kit(s)		£2,694	£2,694	£2,245	£2,245	£2,245
Interface/Valve Retail Price		£7,199	£8,100	£6,750	£6,750	£6,750
Dx-coil controller	TCB-IFDMR01UP-E	£4,505	£5,406	£4,505	£4,505	£4,505
Dx-Valve kit(s)		£2,694	£2,694	£2,245	£2,245	£2,245
Outdoor Combinations	HP	18+18+16+16+16	14+14+14+14+14+14	18+18+18+16+16	18+18+18+18+16	18+18+18+18+18
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	5	6	5	5	5
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	6	6	5	5	5
HEX circuit(s) Interlaced, Split face	No.	5	6	5	5	5
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	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	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1	4.1/1	4.1/1
Suggested Power Supply (Dx-controller)	V-ph-Hz-A	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6
Rated Cooling Capacity	kW	235.8	240.0	241.2	246.6	252.0
Rated Heating Capacity	kW	235.8	240.0	241.2	246.6	252.0
Air Volume	m3/hr	28570 - 43090	28570 - 43090	29250 - 44110	29920 - 45130	30600 - 46150
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	35700 - 48300 9.52 - 3/8	35700 - 48300 9.52 - 3/8	36550 - 49450 9.52 - 3/8	37400 - 50600 9.52 - 3/8	38250 - 51750 9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	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



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

<b>Interface/Valve Retail Price</b>		<b>£5,410</b>	<b>£5,410</b>	<b>£4,593</b>	<b>£5,410</b>	<b>£6,492</b>
<b>Dx-coil controller(s)</b>	<b>TCB-IFDMX01UP-E</b>	<b>£3,165</b>	<b>£3,165</b>	<b>£1,899</b>	<b>£3,165</b>	<b>£3,798</b>
<b>Dx-Valve kit(s)</b>		<b>£2,245</b>	<b>£2,245</b>	<b>£2,694</b>	<b>£2,245</b>	<b>£2,694</b>
<b>Interface/Valve Retail Price</b>		<b>£6,750</b>	<b>£6,750</b>	<b>£5,397</b>	<b>£6,750</b>	<b>£8,100</b>
<b>Dx-coil controller</b>	<b>TCB-IFDMR01UP-E</b>	<b>£4,505</b>	<b>£4,505</b>	<b>£2,703</b>	<b>£4,505</b>	<b>£5,406</b>
<b>Dx-Valve kit(s)</b>		<b>£2,245</b>	<b>£2,245</b>	<b>£2,694</b>	<b>£2,245</b>	<b>£2,694</b>
Outdoor Combinations	HP	20+18+18+18+18	20+20+18+18+18	16+16+16+16+16+16	20+20+20+18+18	16+16+16+16+16+16
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	5	5	3	5	6
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	5	5	6	5	6
HEX circuit(s) Interlaced, Split face	No.	5	5	3	5	6
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	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	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1	4.1/1	4.1/1
Suggested Power Supply (Dx-controller)	V-ph-Hz-A	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>257.6</b>	<b>263.2</b>	<b>270.0</b>	<b>268.8</b>	<b>270.0</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>257.6</b>	<b>263.2</b>	<b>270.0</b>	<b>268.8</b>	<b>270.0</b>
Air Volume	m <sup>3</sup> /hr	31270 - 47170	31950 - 48190	32630 - 49210	32630 - 49210	32630 - 49210
HEX Coil Volume (min-max) / Diameter	cm <sup>3</sup> /mm (inch)	39100 - 52900 9.52 - 3/8	39950 - 54050 9.52 - 3/8	40800 - 55200 9.52 - 3/8	40800 - 55200 9.52 - 3/8	40800 - 55200 9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	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		£5,410	£5,410	£6,492	£6,492	£6,492
Dx-coil controller(s)	TCB-IFDMX01UP-E	£3,165	£3,165	£3,798	£3,798	£3,798
Dx-Valve kit(s)		£2,245	£2,245	£2,694	£2,694	£2,694
Interface/Valve Retail Price		£6,750	£6,750	£8,100	£8,100	£8,100
Dx-coil controller	TCB-IFDMR01UP-E	£4,505	£4,505	£5,406	£5,406	£5,406
Dx-Valve kit(s)		£2,245	£2,245	£2,694	£2,694	£2,694
Outdoor Combinations	HP	20+20+20+20+18	20+20+20+20+20	18+18+18+16+16+16	18+18+18+ 18+16+16	18+18+18+18+18+16
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	5	5	6	6	6
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	5	5	6	6	6
HEX circuit(s) Interlaced, Split face	No.	5	5	6	6	6
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	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	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1	4.1/1	4.1/1
Suggested Power Supply (Dx-controller)	V-ph-Hz-A	220/240-1-50-6	220/240-1-50-6	220/240-1-50-6	220/240-1-50-6	220/240-1-50-6
Rated Cooling Capacity	kW	274.4	280.0	286.2	291.6	297.0
Rated Heating Capacity	kW	274.4	280.0	286.2	291.6	297.0
Air Volume	m3/hr	33300 - 50230	33980 - 51250	34650 - 52270	35330 - 53280	36000 - 54300
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	41650 - 56350 9.52 - 3/8	42500 - 57500 9.52 - 3/8	43350 - 58650 9.52 - 3/8	44200 - 59800 9.52 - 3/8	45050 - 60950 9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	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



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

<b>Interface/Valve Retail Price</b>		<b>£4,593</b>	<b>£6,492</b>	<b>£6,492</b>	<b>£6,492</b>	<b>£6,492</b>
<b>Dx-coil controller(s)</b>	<b>TCB-IFDMX01UP-E</b>	<b>£1,899</b>	<b>£3,798</b>	<b>£3,798</b>	<b>£3,798</b>	<b>£3,798</b>
<b>Dx-Valve kit(s)</b>		<b>£2,694</b>	<b>£2,694</b>	<b>£2,694</b>	<b>£2,694</b>	<b>£2,694</b>
<b>Interface/Valve Retail Price</b>		<b>£5,397</b>	<b>£8,100</b>	<b>£8,100</b>	<b>£8,100</b>	<b>£8,100</b>
<b>Dx-coil controller</b>	<b>TCB-IFDMR01UP-E</b>	<b>£2,703</b>	<b>£5,406</b>	<b>£5,406</b>	<b>£5,406</b>	<b>£5,406</b>
<b>Dx-Valve kit(s)</b>		<b>£2,694</b>	<b>£2,694</b>	<b>£2,694</b>	<b>£2,694</b>	<b>£2,694</b>
Outdoor Combinations	HP	18+18+18+18+18+18	18+18+18+18+18+18	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	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	3	6	6	6	6
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	6	6	6	6	6
HEX circuit(s) Interlaced, Split face	No.	3	6	6	6	6
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	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	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1	4.1/1	4.1/1
Suggested Power Supply (Dx-controller)	V-ph-Hz-A	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6
<b>Rated Cooling Capacity</b>	<b>kW</b>	<b>302.4</b>	<b>302.4</b>	<b>308.0</b>	<b>313.6</b>	<b>319.2</b>
<b>Rated Heating Capacity</b>	<b>kW</b>	<b>302.4</b>	<b>302.4</b>	<b>308.0</b>	<b>313.6</b>	<b>319.2</b>
Air Volume	m3/hr	36680 - 55320	36680 - 55320	37360 - 56340	38030 - 57360	38710 - 58380
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	45900 - 62100 9.52 - 3/8	45900 - 62100 9.52 - 3/8	46750 - 63250 9.52 - 3/8	47600 - 64400 9.52 - 3/8	48450 - 65550 9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6	6.5/6	6.5/6

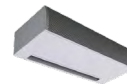
Note: Please refer to VRF Dx Coil Interface Design Guide for guidance on performance and specifications



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

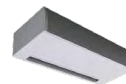
Interface/Valve Retail Price		£6,492	£6,492	£4,593	£6,492
Dx-coil controller(s)	TCB-IFDMX01UP-E	£3,798	£3,798	£1,899	£3,798
Dx-Valve kit(s)		£2,694	£2,694	£2,694	£2,694
Interface/Valve Retail Price		£8,100	£8,100	£5,397	£8,100
Dx-coil controller	TCB-IFDMR01UP-E	£5,406	£5,406	£2,703	£5,406
Dx-Valve kit(s)		£2,694	£2,694	£2,694	£2,694
Outdoor Combinations	HP	20+20+20+20+18+18	20+20+20+20+20+18	20+20+20+20+20+20	20+20+20+20+20+20
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	6	6	3	6
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	6	6	6	6
HEX circuit(s) Interlaced, Split face	No.	6	6	3	6
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	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	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1	4.1/1
Suggested Power Supply (Dx-controller)	V-ph-Hz-A	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6
Rated Cooling Capacity	kW	324.8	330.4	336.0	336.0
Rated Heating Capacity	kW	324.8	330.4	336.0	336.0
Air Volume	m3/hr	39380 - 59400	40060 - 60420	40740 - 61440	40740 - 61440
HEX Coil Volume (min-max) / Diameter	cm3/mm (Inch)	49300 - 66700 9.52 - 3/8	50150 - 67850 9.52 - 3/8	51000 - 69000 9.52 - 3/8	51000 - 69000 9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	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****VRF Air Curtains - Free Hanging Unit**

<b>Free-Hanging Type</b>	<b>RAV-</b>	<b>CT101CH-M</b>	<b>CT101CH-L</b>	<b>CT151CH-M</b>	<b>CT151CH-L</b>	<b>CT201CH-M</b>
Indoor Unit Retail Price		£6,005	£6,772	£7,590	£7,980	£8,696
<b>VRF System Interface (factory-fitted)</b>		<b>MMD-ODH1</b>	<b>MMD-ODH1</b>	<b>MMD-ODH1</b>	<b>MMD-ODH1</b>	<b>MMD-ODH1</b>
Interface Retail Price		£1,055	£1,055	£1,055	£1,055	£1,055
<b>Indoor/Interface Retail Price</b>		<b>£7,060</b>	<b>£7,827</b>	<b>£8,645</b>	<b>£9,035</b>	<b>£9,751</b>
Capacity Code	HP	3	3	4	4	5
Capacity - COP	kW	8 - 2.63	8 - 2.77	11.2 - 2.56	11.2 - 2.93	14 - 2.75
Standard Air Flow	l/s	444	614	667	819	889
Standard Air Flow	m3/h	1600	2210	2400	2950	3200
Width	mm	1000	1000	1500	1500	2000
Maximum Height	m	3	3.2	3	3.2	3
Pressure Level M	dB(A)	54	55	55	56	56
Dimensions (HxWxD)	mm	260 x 1210 x 490	260 x 1210 x 490	260 x 1710 x 490	260 x 1710 x 490	260 x 2210 x 490
Weight	kg	48	51	77	80	101
Flare Connection (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 10	220/240-1-50- 10	220/240-1-50- 10	220/240-1-50- 10	220/240-1-50- 10



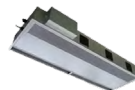


### VRF Air Curtains - Free Hanging Unit (Continued)

Free-Hanging Type	RAV-	CT201CH-L	CT251CH-M	CT251CH-L
Indoor Unit Retail Price		£9,872	£9,883	£10,342
<b>VRF System Interface (factory-fitted)</b>		<b>MMD-ODH1</b>	<b>MMD-ODH1</b>	<b>MMD-ODH1</b>
Interface Retail Price		£1,055	£1,055	£1,055
<b>Indoor/Interface Retail Price</b>		<b>£10,927</b>	<b>£10,938</b>	<b>£11,397</b>
Capacity Code	HP	5	6	6
Capacity - COP	kW	14 - 3.20	16 - 3.27	16 - 3.81
Standard Air Flow	l/s	1228	1111	1433
Standard Air Flow	m <sup>3</sup> /h	4420	4000	5160
Width	mm	2000	2500	2500
Maximum Height	m	3.2	3	3.2
Pressure Level M	dB(A)	57	57	58
Dimensions (HxWxD)	mm	260 x 2210 x 490	260 x 2710 x 490	260 x 2710 x 490
Weight	kg	107	132	138
Flare Connection (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 16	220/240-1-50- 10	220/240-1-50- 16

**TOSHIBA****VRF****VRF Air Curtains - Cassette Unit**

<b>Cassette Type</b>	<b>RAV-</b>	<b>CT101UH-M</b>	<b>CT101UH-L</b>	<b>CT151UH-M</b>	<b>CT151UH-L</b>
Indoor Unit Retail Price		£6,287	£7,215	£7,651	£8,215
<b>VRF System Interface (factory-fitted)</b>		<b>MMD-ODH1</b>	<b>MMD-ODH1</b>	<b>MMD-ODH1</b>	<b>MMD-ODH1</b>
Interface Retail Price		£1,055	£1,055	£1,055	£1,055
<b>Indoor/Interface Retail Price</b>		<b>£7,342</b>	<b>£8,270</b>	<b>£8,706</b>	<b>£9,270</b>
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	m <sup>3</sup> /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 Supply	V-ph-Hz-A	220/240-1-50- 10	220/240-1-50- 10	220/240-1-50- 10	220/240-1-50- 10



### VRF Air Curtains - Cassette Unit (Continued)

Cassette Type	RAV-	CT201UH-M	CT201UH-L	CT251UH-M	CT251UH-L
Indoor Unit Retail Price		£8,821	£9,950	£9,955	£11,017
<b>VRF System Interface (factory-fitted)</b>		<b>MMD-ODH1</b>	<b>MMD-ODH1</b>	<b>MMD-ODH1</b>	<b>MMD-ODH1</b>
Interface Retail Price		£1,055	£1,055	£1,055	£1,055
<b>Indoor/Interface Retail Price</b>		<b>£9,876</b>	<b>£11,005</b>	<b>£11,010</b>	<b>£12,072</b>
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	m <sup>3</sup> /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 Supply	V-ph-Hz-A	220/240-1-50- 10	220/240-1-50- 16	220/240-1-50- 10	220/240-1-50- 16

# TOSHIBA

## VRF



### VRF Air Curtains - Built-in Unit

Free-Hanging Type	RAV-	CT101BH-M	CT101BH-L	CT151BH-M	CT151BH-L	CT201BH-M
Indoor Unit Retail Price		£7,001	£7,056	£8,425	£8,812	£9,183
<b>VRF System Interface (factory-fitted)</b>		<b>MMD-ODH1</b>	<b>MMD-ODH1</b>	<b>MMD-ODH1</b>	<b>MMD-ODH1</b>	<b>MMD-ODH1</b>
Interface Retail Price		£1,055	£1,055	£1,055	£1,055	£1,055
<b>Indoor/Interface Retail Price</b>		<b>£8,056</b>	<b>£8,111</b>	<b>£9,480</b>	<b>£9,867</b>	<b>£10,238</b>
Capacity Code	HP	3	3	4	4	5
Capacity - COP	kW	8 - 2.63	8 - 2.77	11.2 - 2.56	11.2 - 2.93	14 - 2.75
Standard Air Flow	l/s	444	614	667	819	889
Standard Air Flow	m3/h	1600	2210	2400	2950	3200
Width	mm	1000	1000	1500	1500	2000
Maximum Height	m	3	3.2	3	3.2	3
Pressure Level M	dB(A)	54	55	55	56	56
Dimensions (HxWxD)	mm	405-485 x 1105 x 720	405-485 x 1105 x 720	405-485 x 1605 x 720	405-485 x 1605 x 720	405-485 x 2105 x 720
Weight	kg	71	74	105	108	129
Flare Connection (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 10	220/240-1-50- 10	220/240-1-50- 10	220/240-1-50- 10	220/240-1-50- 10



### VRF Air Curtains - Built-in Unit (Continued)

Free-Hanging Type	RAV-	CT201BH-L	CT251BH-M	CT251BH-L
Indoor Unit Retail Price		£10,066	£10,396	£11,359
<b>VRF System Interface (factory-fitted)</b>		<b>MMD-ODH1</b>	<b>MMD-ODH1</b>	<b>MMD-ODH1</b>
Interface Retail Price		£1,055	£1,055	£1,055
<b>Indoor/Interface Retail Price</b>		<b>£11,121</b>	<b>£11,451</b>	<b>£12,414</b>
Capacity Code	HP	5	6	6
Capacity - COP	kW	14 - 3.20	16 - 3.27	16 - 3.81
Standard Air Flow	l/s	1228	1111	1433
Standard Air Flow	m3/h	4420	4000	5160
Width	mm	2000	2500	2500
Maximum Height	m	3.2	3	3.2
Pressure Level M	dB(A)	57	57	58
Dimensions (HxWxD)	mm	405-485 x 2105 x 720	405-485 x 2605 x 720	405-485 x 2605 x 720
Weight	kg	135	170	176
Flare Connection (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 16	220/240-1-50- 10	220/240-1-50- 16

# TOSHIBA

## VRF

### VRF Accessories

RAV Accessories	Product Range	Model	Description	Price
			<b>Wireless Controller/Receiver Kits</b>	
<b>Wireless Controller/ Receiver Kits</b>	VRF	RBC-AX32U(W)-E	Wireless Remote Controller Kit - 4 Way Cassette (Replaces RBC-AX31U(W)-E)	£202
		RBC-AX32UM(W)-E	Wireless Remote Controller (New 7 Series Compact Cassettes)	£131
		RBC-AX32UW(W)-E	Wireless Remote Controller Kit - 2 Way Cassette	£214
		RBC-AX33CE	Wireless Remote Controller Kit - Ceiling (7 Series)	£221
		RBC-AX41U(W)-E	Wireless Receiver Kit for 4-Way Cassette	£220
		RBC-AX33UYP-E	Wireless Receiver Kit for 1-Way Cassette	£55
		RBC-AXU31C-E	Wireless Remote Controller Kit - Ceiling	£241
		RBC-AXU31-E	Wireless Remote Controller Kit - Others (Exclude High Static Ducted)	£310
		RBC-AXU31U-E	Wireless Receiver Kit for 4-Way Cassette	£220
		RBC-AXU31UM-E	Wireless Receiver Kit for Compact Cassette	£142
		RBC-AXU31UW-E	Wireless Receiver Kit for 2-Way Cassette	£259
		RBC-AXU31UMP-E	Wireless Remote Controller Kit for compact 4way White	£129
		RBC-AXU31UMPB-E	Wireless Remote Controller Kit for compact 4-way Black	£141
		RBC-AXU33UP-E	Wireless Receiver Kit for 4-Way Cassette (Compatible with MMU-UP_1HP-E & RAV-HM_1UTP-E)	£154
		RBC-AXU41U-E	Wireless Receiver Kit for 4-Way Cassette	£220
RBC-AXU33UPB-E	Wireless Remote Controller kit (IR receiver + handset), Black color	£169		

### VRF Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
<b>Controller Wired</b>				
<b>Controller Wired</b>	VRF	RBC-AS41E	Simplified Remote Controller	£103
		RBC-ASCU11-E	Compact Remote Controller	£74
		RBC-AMT32E	Standard Remote Controller	£78
		RBC-AMTU31-E	Standard Remote Controller	£86
		RBC-AMS41E	Standard Remote Controller C/W 24/7 Schedule Timer	£95
		RBC-AMSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer	£152
		RBC-AWSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer + Bluetooth	£175
		RBC-MTSC1	Mini Touch Screen Controller	£284
		RBC-MTSC2	Mini Touch Screen Controller C/W Schedule Timer	£337
<b>Central Controller Wired</b>				
<b>Central Controller Wired</b>	VRF	BMS-CT1280E	Touch Screen Controller	£4,189
		BMS-CT2560U-E	256 Touch Screen Controller (Multi Language)	£4,547
		BMS-CT5121E	Touch Screen Controller	£5,620
		BMS-IFBN640TLE	BACnet Interface For LC And VRF	£1,890
		BMS-SM1281ETLE	Smart Manager With Data Analyser	£2,926
		RBC-BP2	Black Pear BMS Controller	£4,483
		RBC-BPB1	Black Pear Controller For BACnet	£4,170
		RBC-BPM1	Black Pear Controller For Modbus	£4,170

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## VRF

### VRF Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
<b>Central Controller Wired (Continued)</b>				
<b>Central Controller Wired (Continued)</b>	VRF	RBC-BPT1	Black Pear Controller For Trend	£4,170
		RBC-TBPTS	Toshiba "Smart Touch" Black Pear Touch Screen For 64 Indoor Units.	£3,431
		RBC-TBPTSBC	Smart Touch Back Box	£181
		TCB-SC640U-E	64 Central Remote Controller	£1,024
		TCB-SC643TLE	Central Controller	£943
<b>Control Panel</b>				
<b>Control Panel</b>	VRF	RBC-AC1	Unit Auto Change Over With Temperature High Limit Stat (1 Run/1 Standby)	£1,772
		RBC-AC2	Unit Auto Change Over With Temperature High Limit Stat (2 Run/1 Standby)	£2,063
		RBC-AM1E	Remote Controller	£164
		RBC-EM1-PE	Energy Monitoring Kit	£1,318
<b>Indoor Interface</b>				
<b>Indoor Interface</b>	VRF	BMS-IFBN1280U-E	1:1 KNX® interface	£1,873
		BMS-IFKX0TLR-E	KNX interface for LC-VRF	£445
		BMS-IFLSV4E	TCS-Net Relay Interface	£974
		BMS-IFMBOTLR-E	Modbus interface for LC-VRF	£372
		BMS-IFMBOUEW-E	MODBUS CONTROLLER FOR ESTIA R32	£486
		BMS-IFMB1280U-E	Modbus Interface	£1,941
		BMS-STBN10E	BACnet Server Software	£2,281
		BMS-WB2561PWE	Web Server/Gateway Server Connection Of Up To 256 Indoor Units	£4,020



### VRF Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
<b>Indoor Interface (Continued)</b>				
<b>Indoor Interface (Continued)</b>	VRF	MMD-ODH1	VRF Air Curtain Accessory Kit	£1,055
		RBC-AVS2	Averaging Sensors	£192
		RBC-AVS3	Averaging Sensors	£212
		RBC-AVS4	Averaging Sensors	£226
		RBC-SMF1	Enables Control Of External Fans	£63
		RBC-SMIM2	Indicator Module For Unit In Heating Mode, Cooling Mode Or Fan	£94
		RBC-SMIM3	Indicator Module For Stopping Fault And Unit Run	£89
		RBC-SMIM4	Indicator Module For Stopping Fault And Unit Run	£99
		RBC-TO-RC-WIFI-1	IntesisHome Wi-Fi - Toshiba LC and VRF	£311
		RBC-TS11	Monitoring & Control Interface For VRF & DI/SDI	£325
		RBC-TXIO	Input/Output Interface For Third Party Equipment	£397
		RB-I301-E	Leak Detection Sensor Kit	£193
		TCB-ADCN510UP-E	4-Way Cassette Facia Panel Adapter	£46
		TCB-IFCB5-PE	Window Switch & Remote ON/OFF	£31
		TCB-PCNT20E	Network Adapter	£223
		TCB-PSMT1E	Multi-tenant Kit for VRF Systems	£288
TCB-PX100-PE	Enclosure For The Window Switch Remote ON/OFF	£22		

# TOSHIBA

## VRF

### VRF Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
			<b>Indoor Interface Lead</b>	
<b>Indoor Interface Lead</b>	VRF	RBC-TAEX1	Extension Sensor TA	£41
		RBC-CBK15FE	15m Long Extension Cable Including	£106
		RBC-CN61CIMC	CN61 5 M Lead	£29
		RBC-FSEX15	15M Extension Cable For FS	£128
		RBC-IT4-PE	Timer For DI/SDI	£152
		RBC-SMCN61	Interface Lead For ON/OFF And Unit Remote Controller Lock	£11
		RBC-SMCN61L	Interface Lead For Remote Controller Lock	£11
		RBC-SMT1	Timer Interface Lead	£11
		TCB-KBCN32VEE	Connector For CN 32	£197
		TCB-KBCN60OPE	Connector For CN 60	£386
		TCB-KBCN61HAE	Connector For CN 61	£392
		TCB-KBCN70OAE	Connector For CN 70	£192
		TCB-KBCN73DEE	Connector For CN 73	£194
		TCB-KBCN80EXE	Connector For CN 80	£200
			<b>Interface</b>	
<b>Interface</b>	VRF	BMS-IFDD03E	Digital I/O Relay Interface	£674
		BMS-IFWH5E	Energy Monitoring Relay Interface	£637
		RBC-DI1-PE	Digital Input/Output Module (DI160)	£401
		RBC-IT2-PE	Timer Interface For R407C Equipment	£143

### VRF Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
<b>Interface (Continued)</b>				
<b>Interface (Continued)</b>	VRF	TCB-DK01SS-E	Dyna Doctor Hardware	£2,102
		TCB-IFCB640TLE	Analog Interface	£2,085
		TCB-IFCG1TLE	General Purpose Interface	£2,085
		TCB-IFLN642TLE	LonWorks Gateway,	£1,594
		TCB-IFMB641TLE	Modbus Interface	£1,788
		TCB-PCUC2E	Application Control Kit	£150
		TCB-PX40MUME	Control Box Enclosure For Interface PCB's	£85
<b>Occupancy Sensor</b>				
<b>Occupancy Sensor</b>	VRF	TCB-SIR33UP-E	Occupancy Sensor Kit (Compatible with MMU-UP_1HP-E & RAV-HM_1UTP-E)	£88
		TCB-SIR41U-E	Occupancy Sensor (Smart Cassettes)	£101
		TCB-SIR41UM-E	Occupancy Sensor (New 7 Series Compact Cassettes)	£101
		TCB-SIR41UYP-E	Occupancy Sensor (1-Way cassette)	£88
<b>Remote Sensor</b>				
<b>Remote Sensor</b>	VRF	TCB-TC41LE	Remote Sensor (Replaces TCB-TC21LE2)	£86
		TCB-TC41U-E	Remote Sensor	£93
<b>Air DisCharge, Filtration &amp; Inlet</b>				
<b>Air DisCharge, Filtration &amp; Inlet</b>	VRF	RBC-VCK1	Ducted Vertical Conversion Kit	£654
		RBM-FGUS1P-E	Fin Guard Option Kit (08~14HP)	£220
		RBM-FGUM1P-E	Fin Guard Option Kit (16~24HP)	£245

# TOSHIBA

## VRF

### VRF Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
<b>Air DisCharge, Filtration &amp; Inlet (Continued)</b>				
<b>Air DisCharge, Filtration &amp; Inlet (Continued)</b>	VRF	TCB-BC1602UE	4 Way Cassette Air DisCharge Direction Kit (Suit 31PG)	£81
		TCB-FF101URE2	Fresh Air Connection Spigot Kit (New 7 Series Compact Cassettes)	£56
		TCB-FF151US-E	Auxiliary Fresh Air Flange	£68
		TCB-SF160C6BPE	DisCharge spigots for LC/VRF Ducted 4.0-6.0 HP	£212
		TCB-SF56C6BPE	DisCharge spigots for LC/VRF Ducted 1.5-2.0 HP	£141
		TCB-SF80C6BPE	DisCharge spigots for LC/VRF Ducted 3.0 HP	£166
		TCB-TDL0141SDY-E	3D Diffusor Slim Ducted	£151
		TCB-TDL0181SDY-E	3D Diffusor Slim Ducted	£170
		TCB-TDL0271SDY-E	3D Diffusor Slim Ducted	£196
		TCB-EAPC1UHP-E	Air Purifier Kit 4-Way Cassette (Heating RC + PURE Button)	£1,072
		TCB-EAPC1UYHP-E	Air Purifier Kit 1-Way Cassette	£214
		TCB-FC0481DF-E	Filter Chamber (48)	£559
		TCB-FC1281DF-E	Filter Chamber (72-128)	£939
		TCB-FC1403UW-E	Filter Chamber (*0362-0562)	£793
		TCB-FC283UW-E	Filter Chamber (*0072-0152)	£472
		TCB-FC803UW-E	Filter Chamber (*0182-0302)	£676
		TCB-FCY100DE	Filter Chamber (*0721-0961)	£865
		TCB-FCY51DFE	Filter Chamber (*0481)	£513
		TCB-GB1601UE2	Fresh-Air Inlet Box	£77

### VRF Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
<b>Air DisCharge, Filtration &amp; Inlet (Continued)</b>				
<b>Air DisCharge, Filtration &amp; Inlet (Continued)</b>	VRF	TCB-GB1602UE	Fresh Air Inlet Box	£81
		TCB-GB1602UE2	Fresh Air Inlet Box	£67
		TCB-GFC1601UE2	Fresh-Air & Filter Chamber	£357
		TCB-GFC1602UE2	Fresh Air & Filter Chamber	£177
		TCB-LF1403UW-E	Super Long Life Pre-Filter (*0362-0562)	£589
		TCB-LF283UW-E	Super Long Life Pre-Filter (*0072-0152)	£336
		TCB-LF803UW-E	Super Long Life Pre-Filter (*0182-0302)	£550
		TCB-LK1401D-E	Long Life Filter Kit For MMD-*036_056#HP-E	£92
		TCB-LK2801DP-E	Long Life Filter Kit For MMD-*072_096#HP-E	£141
		TCB-LK801D-E	Long Life Filter Kit For MMD-*018_027#HP-E	£71
		TCB-PF3DE	Filter Kit High Static Ducted 8~10hp	£219
		TCB-PF4D-1E	Long Life Pre-Filter (*0481)	£157
		TCB-PLFC1UPE-120	PM2.5 After Pre-filter 4-Way Cassette	£1,602
		TCB-PLFC2UPE-80	PM2.5 Before Pre-filter 4-Way Cassette	£2,037
		TCB-UFH0481D-E	High Efficiency Filter 90% (48)	£554
		TCB-UFH1281D-E	High Efficiency Filter 90% (72-128)	£792
		TCB-UFH7DE	High-Efficiency Filter 90 (*0721-0961)	£729
		TCB-UFH8D-1E	High-Efficiency Filter 90 (*0481)	£510
		TCB-UFM0481D-E	High Efficiency Filter 65% (48)	£551

# TOSHIBA

## VRF

### VRF Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
<b>Air DisCharge, Filtration &amp; Inlet (Continued)</b>				
<b>Air DisCharge, Filtration &amp; Inlet (Continued)</b>	VRF	TCB-UFM1281D-E	High Efficiency Filter 65% (72-128)	£744
		TCB-UFM3DE	High-Efficiency Filter 65 (*0721-0961)	£686
		TCB-UFM4D-1E	High-Efficiency Filter 65 (*0481)	£507
		TCB-SP1602UE	4-Way Cassette Spacer Height Adjustment For RBC-U31PGP(W)-E	£215
<b>Pulse Modulating Valve Kit</b>				
<b>Pulse Modulating Valve Kit</b>	VRF	RBM-PMV0361U-E	VRF 2-Pipe Valve Kit (models 3~12)	£232
		RBM-PMV0363E	VRF 2-Pipe Valve Kit (models 3~12)	£214
		RBM-PMV0901U-E	VRF 2-Pipe Valve Kit (models 15~24)	£267
		RBM-PMV0903E	VRF 2-Pipe Valve Kit (models 15~24)	£245
<b>R32 Leak Detection</b>				
<b>R32 Leak Detection</b>	VRF	RBM-SV1121HUPE	Shut-off Valve Box Below 11.2kW	£778
		RBM-SV1801HUPE	Shut-off Valve Box 11.2 to Below 18.0kW	£872
		TCB-BT1UPE	Battery Kit for Shut-off Valve and Flow Selector Box	£265
		TCB-LD1UPE	Leak Detector for SHRM-a	£280
		RBC-VRFR32AK	EN378 Indoor Unit Interface Kit	£106
		RBC-VRFR32CN80	EN378 FS Box Interface Kit	£282

### VRF Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
<b>R410A Leak Detection</b>				
<b>R410a Leak Detection</b>	VRF	RBC-RCS1	Room Leak Detection Concentration Sensor With White Faceplate	£478
		RBC-RCS2	Room Leak Detection Concentration Sensor With Stainless Steel Faceplate	£495
		RBC-RD3-PE	Refrigerant - Additional Charge Leak Detector (Indoor Unit)	£510
		RBC-RD6-PE	Refrigerant - Additional Charge Leak Detector (Outdoor Unit)	£7,190
		RBC-RI1	Room Indicator For Use With RBC-RP1 (Legrand Graphite) Currently Grey	£92
		RBC-LDCIMC	Leak Detection 15M Lead	£56
		RBC-RP1	Repeater Panel C/W Battery Back Up	£1,650
		RBC-TSRP1	Repeater Panel (for use with RBC-TBPTS)	£770
		TCB-AW17861	Leak Detection, Isolation Valve (12.0 mm - 1/2")	£347
		TCB-AW17862	Leak Detection, Isolation Valve (15.9 mm - 5/8")	£347
		TCB-AW17863	Leak Detection, Isolation Valve (19.0 mm - 3/4")	£377
		TCB-AW17864	Leak Detection, Isolation Valve (22.2mm - 7/8")	£412
		TCB-AW17865	Leak Detection, Isolation Valve (28.6mm - 1,1/8")	£568
		TCB-AW17866	Leak Detection, Isolation Valve (34.9mm - 1,3/8")	£597
		TCB-AW17867	Leak Detection, Isolation Valve (41.3mm - 1,5/8")	£618
		TCB-LD1	Leak Detection For SMMSe/SHRMe	£230
		TCB-LD12V	Room Leak Detection Transformer 12v & Cable Kit (use with TCB-LDS1 & TCB-LDS2)	£199
		TCB-LD2	Leak Detection For SMMSe/SHRMe (No Valves)	£1,678
		TCB-LD2UK	Leak Detection For SMMSe/SHRMe (No Valves)	£2,174

**TOSHIBA****VRF****VRF Accessories (Continued)**

RAV Accessories	Product Range	Model	Description	Price
<b>R410A Leak Detection (Continued)</b>				
<b>R410a Leak Detection (Continued)</b>	VRF	TCB-LDS1	Room Leak Detection Concentration Sensor With White Faceplate (requires Remote 12v Transformer)	£478
		TCB-LDS1BLK	Room Leak Detection Concentration Sensor With Black Faceplate (requires Remote 12v Transformer)	£430
		TCB-LDS2	Room Leak Detection Concentration Sensor With Stainless Steel Faceplate (requires Remote 12v Transformer)	£495
<b>Outdoor Interface</b>				
<b>Outdoor Interface</b>	VRF	TCB-IFCB-4E2	Remote Location ON/OFF Control Box	£332
		TCB-IFDES1001P-E	Optional sensor (10m lead wire) for new VRF DX-Kit Interface	£117
		TCB-PCDM4E	Power Peak-Cut Control Board (SMMS/SHRM)	£118
		TCB-PCIN4E	Error Output Control Board (SMMS/SHRM)	£129
		TCB-PCMO4E	External Input PCB	£91
		TCB-SS1UU-E	Link Adapter with 8GB MicroSD Card	£2,466
<b>Header Joints</b>				
<b>Header Joints</b>	VRF	RBM-HY1043E	4 Way Header 2 Pipe < 14.2	£198
		RBM-HY1083E	8 Way Header 2 Pipe < 14.2	£338
		RBM-HY2043E	4 Way Header 2 Pipe < 14.2-25.2hp	£217
		RBM-HY2083E	8 Way Header 2 Pipe < 14.2-25.2hp	£370
		RBM-HY1043FE	4 Way Header 3 Pipe < 14.2	£259
		RBM-HY1083FE	8 Way Header 3 Pipe < 14.2	£414
		RBM-HY2043FE	4 Way Header 3 Pipe < 14.2-25.2hp	£340
		RBM-HY2083FE	8 Way Header 3 Pipe < 14.2-25.2hp	£421



### VRF Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
<b>Branch Joints</b>				
<b>Branch Joints</b>	VRF	RBM-BT14E	Y-Connector <26HP (SMMS)	£191
		RBM-BT24E	Y-Connector >26HP (SMMS)	£225
		RBM-BT34E	Y-Connector >46hp	£315
		RBM-BY105E	Y Joint 2 Pipe < 6.4-14.2hp	£79
		RBM-BY205E	Y Joint 2 Pipe < 14.2-25.2hp	£135
		RBM-BY305E	Y Joint 2 Pipe 25.2hp	£208
		RBM-BY405E	Y Joint 2 Pipe 61.2hp	£279
		RBM-BY55E	Y Joint 2 Pipe < 6.4hp	£70
		RBM-BT14FE	Y-Connector <26HP (SHRM)	£172
		RBM-BT24FE	Y-Connector >26HP (SHRM)	£262
		RBM-BY105FE	Y Joint 3 Pipe < 6.4-14.2hp	£126
		RBM-BY205FE	Y Joint 3 Pipe < 14.2-25.2hp	£207
		RBM-BY305FE	Y Joint 3 Pipe 25.2hp	£307
		RBM-BY55FE	Y Joint 3 Pipe < 6.4hp	£98
<b>Condensate</b>				
<b>Condensate</b>	VRF	TCB-DP22CE2	Drain Up Kits For DI Ceiling FCU	£272
		TCB-DP31CE	Drain Pump For DI Ceiling	£298
		TCB-DP31HEXE	Drain Pump Kit	£738
		TCB-DP32DFE	Drain Pump Kit	£775

**TOSHIBA****VRF****VRF Accessories (Continued)**

RAV Accessories	Product Range	Model	Description	Price
<b>Condensate (Continued)</b>				
<b>Condensate (Continued)</b>	VRF	TCB-DP40DFP-E	Drain Pump Kit (Lift up to 330 mm)	£435
		TCB-DP40DPE	Drain Pump Kit (MMD-*0726 To 0966HP-E)	£435
		TCB-KP13CE	Elbow Piping Kit RAV-HM_1CTP 40-56	£84
		TCB-KP14CPE	Ceiling Suspended Elbow Piping Kit (1.5-2.0hp)	£83
		TCB-KP22CE2	Elbow Piping Kit (*0241-0481)	£104
		TCB-KP23CE	Elbow Piping Kit RAV-HM_1CTP 80-160	£103
		TCB-KP24CPE	Ceiling Suspended Elbow Piping Kit (2.5-5.0hp)	£100
<b>Anti-Corrosion Coating</b>				
<b>Anti-Corrosion Coating</b>	VRF	CACC-VRF	VRF Module Unit Coil Anti-Corrosion Coating	£1,599
		CACC-VRF1	VRF Large Module Unit Coil Anti-Corrosion Coatings	£1,890
		CACC-VRF2	VRF Extra-Large Module Unit Anti-Corrosion Coatings	£1,267
<b>Painted Finish</b>				
<b>Painted Finish</b>	VRF	Painted-4WAYCASSETTE	Painted Cassette Unit Chassis	£462
		Painted-Ducted	Painted Ducted Unit Chassis	£480
		Painted-Ducted	Painted Ducted Unit Chassis	£548
		Painted-Ducted	Painted Ducted Unit Chassis	£617
		Painted-High Wall	Painted High Wall Unit Facia	£326
		PAINT-U21FP	Painted Compact Cassette Facia Panel	£291
		PAINT-U31FP	Painted 4-Way Cassette Facia Panel	£325

### VRF Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
<b>Split Case/Sections</b>				
<b>Split Case/Sections</b>	VRF	TTS-VRFSD-ML	VRF Strip Down On UK Mainland	£4,619
		TTS-VRFSD-MLF	Full VRF Strip Down On UK Mainland	£7,350
		TTS-VRFSD-OS	VRF Strip Down On Non-UK Mainland	£6,144
		TTS-VRFSD-OSF	Full VRF Strip Down On Non-UK Mainland	£8,683
<b>Site Services</b>				
<b>Site Services</b>	VRF	TTS-VRFSCA	Toshiba VRF System Commissioning Assistance	£676

# TOSHIBA

## Air - to - Air Heat Exchangers

<a href="#">Air-to-Air Heat Exchanger Standard Version (VN-U Series) - 150-1000m<sup>3</sup></a>	243 - 244
<a href="#">Air-to-Air Heat Exchanger Standard Version (VN-M Series) - 1500-2000m<sup>3</sup></a>	245
<a href="#">Air-to-Air Heat Exchanger + DX Coil</a>	246
<a href="#">Air-to-Air Heat Exchanger + DX Coil + Humidifier</a>	247
<a href="#">VN Accessories</a>	248 - 249



## Air-to-Air Heat Exchanger Standard Version

Air-to-Air Heat Exchanger	VN-	U00151SY-E	U00251SY-E	U00351SY-E	U00501SY-E
Unit Retail Price		£1,326	£1,358	£1,561	£1,895
Operating Range - Around Unit	°C - %RH	-15 to 50 - ≤ 80	-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	-20 to 52 - ≤ 80
Operating Range - Return Air	°C - %RH	5 to 40 - ≤ 80	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	500-400-300-260
External Static Pressure Extra High-High-Medium-Low	Pa	90-60-43-25	75-53-30-15	160-100-57-26	125-80-45-35
Sound Pressure Extra High-High-Medium-Low	dB(A)	28-25-22-20	28-27-24-20	34-31-26-21	36-31-27-25
Temperature Exchange Efficiency (High Air Flow)	%	83.5	80.5	81.5	79.5
Enthalpy Exchange Efficiency (High Air Flow)	%	80.0	76.0	76.0	74.0
Dimensions (HxWxD)	mm	278x735x778	278x735x778	305x880x880	337x1020x920
Weight	kg	29	29	40	47
Ducted Nominal Diameter Supply/Return	mm	100 x 2/100 x 2	150 x 2/150 x 2	150 x 2/150 x 2	200 x 2/200 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)	220/240-1-50- 6 (16)

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

<b>Air-to-Air Heat Exchanger</b>	<b>VN-</b>	<b>U00651SY-E</b>	<b>U00801SY-E</b>	<b>U01001SY-E</b>
<b>Unit Retail Price</b>		<b>£2,108</b>	<b>£2,515</b>	<b>£2,740</b>
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	m <sup>3</sup> /h	650-520-390-260	800-640-480-320	1000-800-600-400
External Static Pressure Extra High-High-Medium-Low	Pa	150-100-58-28	145-92-53-22	170-110-60-30
Sound Pressure Extra High-High-Medium-Low	dB(A)	39-35-30-24	39-35-30-23	41-38-33-24
Temperature Exchange Efficiency (High Air Flow)	%	77.5	79.0	78.5
Enthalpy Exchange Efficiency (High Air Flow)	%	72.0	74.0	73.0
Dimensions (HxWxD)	mm	337x1020x920	386x1230x1130	386x1230x1130
Weight	kg	47	63	63
Ducted Nominal Diameter Supply/Return	mm	200 x 2/200 x 2	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- 6 (16)	220/240-1-50- 10 (16)



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

Air-to-Air Heat Exchanger	VN-	M1500HE1	M2000HE1
<b>Unit Retail Price</b>		<b>£5,970</b>	<b>£6,560</b>
Operating Range - Around Unit	°C - %RH	-10 to 40 - ≤ 80	-10 to 40 - ≤ 80
Operating Range - Outdoor Air	°C - %RH	-15 to 43 - ≤ 80	-15 to 43 - ≤ 80
Operating Range - Return Air	°C - %RH	5 to 40 - ≤ 80	5 to 40 - ≤ 80
Standard Air Flow, Extra High - High - Low	m3/h	1500 - 1500 - 1200	2000 - 2000 - 1400
External Static Pressure Extra High - High - Low	Pa	140 - 110 - 80	105 - 80 - 70
Sound Pressure Extra High - High - Low	dB(A)	41.0 - 40.0 - 36.0	41.5 - 40.5 - 36.5
Filtration Efficiency Grade (Collection Effect Weighing Method)	%	82	82
Dimensions (HxWxD)	mm	1189 x 1189 x 810	1189 x 1189 x 810
Weight	kg	126	126
Ducted Nominal Diameter Supply/Return	mm	250 x 4/283 x 730 x 2	250 x 4/283 x 730 x 2
Suggested Power Supply (with Heater Kit)	V-ph-Hz-A	220/240-1-50- 10 (16)	220/240-1-50- 10 (20)



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## Air-to-Air Heat Exchanger + DX Coil

Air-to-Air Heat Exchanger	MMD-	VN502HEX1E	VN802HEX1E	VN1002HEX1E
Indoor Unit Retail Price		£4,837	£7,047	£8,049
Cooling Capacity	kW	4.10 (1.30)	6.56 (2.06)	8.25 (2.32)
Heating Capacity	kW	5.53 (2.33)	8.61 (3.61)	10.92 (4.32)
Combinations		SMMSe - SHRMe - MiNi SMMSe*	SMMSe - SHRMe - MiNi SMMSe*	SMMSe - SHRMe - MiNi SMMSe*
Operating Range - Around Unit	°C - %RH	-10 to 40 - ≤ 80	-10 to 40 - ≤ 80	-10 to 40 - ≤ 80
Operating Range - Outdoor Air	°C - %RH	-15 to 43 - ≤ 80	-15 to 43 - ≤ 80	-15 to 43 - ≤ 80
Operating Range - Return Air	°C - %RH	5 to 40 - ≤ 80	5 to 40 - ≤ 80	5 to 40 - ≤ 80
Standard Air Flow, Extra High - High - Low	m3/h	500 - 500 - 440	800 - 800 - 640	950 - 950 - 820
Air Flow Limit Upper - Lower	m3/h	600 - 330	960 - 480	1140 - 640
External Static Pressure Extra High - High - Low	Pa	120 - 105 - 115	120 - 100 - 100	135 - 120 - 105
Sound Pressure Extra High - High - Low	dB(A)	37.5 - 36.5 - 34.5	41.0 - 40.0 - 38.0	43.0 - 42.0 - 40.0
Filtration Efficiency Grade (Collection Effect Weighing Method)	%	82	82	82
Dimensions (HxWxD)	mm	430 x 1140 x 1690	430 x 1189 x 1739	430 x 1189 x 1739
Weight	kg	84	100	101
Ducted Nominal Diameter Supply/Return	mm	200 x 2/200 x 2	250 x 2/250 x 2	250 x 2/250 x 2
Flare Connection (gas - liquid)	mm	3/8 - 1/4	1/2 - 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)	220/240-1-50- 6 (10)

\*Mini SMMSe MCY-MHP\_4S(8)-E only



# TOSHIBA



## Air-to-Air Heat Exchanger + DX Coil + Humidifier

Air-to-Air Heat Exchanger	MMD-	VNK502HEX1E	VNK802HEX1E	VNK1002HEX1E
Indoor Unit Retail Price		£5,458	£7,946	£9,086
Cooling Capacity	kW	4.10 (1.30)	6.56 (2.06)	8.25 (2.32)
Heating Capacity	kW	5.53 (2.33)	8.61 (3.61)	10.92 (4.32)
Combinations		SMMSe - SHRMe - MiNi SMMSe*	SMMSe - SHRMe - MiNi SMMSe*	SMMSe - SHRMe - MiNi SMMSe*
Operating Range - Around Unit	°C - %RH	-10 to 40 - ≤ 80	-10 to 40 - ≤ 80	-10 to 40 - ≤ 80
Operating Range - Outdoor Air	°C - %RH	-15 to 43 - ≤ 80	-15 to 43 - ≤ 80	-15 to 43 - ≤ 80
Operating Range - Return Air	°C - %RH	5 to 40 - ≤ 80	5 to 40 - ≤ 80	5 to 40 - ≤ 80
Standard Air Flow Extra High - High - Low	m3/h	500 - 500 - 440	800 - 800 - 640	950 - 950 - 820
Air Flow Limit Upper - Lower	m3/h	600 - 330	960 - 480	1140 - 640
External Static Pressure Extra High - High - Low	Pa	95 - 85 - 95	105 - 85 - 90	110 - 90 - 115
Sound Pressure Extra High - High - Low	dB(A)	36.5 - 35.5 - 33.5	40.0 - 39.0 - 38.0	42.0 - 41.0 - 39.0
Filtration Efficiency Grade (Collection Effect Weighing Method)	%	82	82	82
Humidifier Capacity / Humidifier Feed Water Pressure	kg/h	3 / 0.02 - 0.49	5 / 0.02 - 0.49	6 / 0.02 - 0.49
Dimensions (HxWxD)	mm	430 x 1140 x 1690	430 x 1189 x 1739	430 x 1189 x 1739
Weight	kg	91	111	112
Ducted Nominal Diameter Supply/Return	mm	200 x 2/200 x 2	250 x 2/250 x 2	250 x 2/250 x 2
Flare Connection (gas - liquid)	mm	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4
Water Supply Connection External Threaded		R1/2	R1/2	R1/2
Suggested Power Supply (with Heater Kit)	V-ph-Hz-A	220/240-1-50- 6 (10)	220/240-1-50- 6 (10)	220/240-1-50- 6 (10)

\*Mini SMMSe MCY-MHP\_4S(8)-E only

# TOSHIBA

## VN Accessories

VN Accessories	Product Range	Model	Description	Price
<b>Controller Wired</b>				
<b>Controller Wired</b>	VN	RBC-AMSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer	£152
		NRC-01HE	Remote Controller	£120
<b>Indoor Interface</b>				
<b>Indoor Interface</b>	VN	NRB-1HE	Remote ON/OFF Adapter A2A Heat Exchanger	£120
<b>Indoor Interface Lead</b>				
<b>Indoor Interface Lead</b>	VN	RBC-VNL1	VN Unit Interface Lead	£63
<b>Air to Air Heat Exchanger</b>				
<b>Air to Air Heat Exchanger</b>	VN	TCB-SFMCA1V-E	Multi Function Sensor (CO2/PM)-(Compatible with all Model Sizes)	£619
		RBC-VNMC-HE1	Control For VN-U00151/01001SY-E - VN-M1500/2000HE1 Heater Kits	£357
		RBC-VNMC-PE	Control For VN-M150/1000HE-E Heater Kits	£468
		RBC-VNMH1-PE	100mm Heater Kit (For VN-U00151SY-E)	£413
		RBC-VNMH2-PE	150mm Heater Kit (For VN-U00251 / 351SY-E)	£424
		RBC-VNMH3-PE	200mm Heater Kit (For VN-U00501 / 650SY-E)	£478
		RBC-VNMH4-PE	250mm Heater Kit (For VN-U00801 / 01001SY-E)	£490

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## VN Accessories (Continued)

VN Accessories	Product Range	Model	Description	Price
<b>Air to Air Heat Exchanger (Continued)</b>				
<b>Air to Air Heat Exchanger (Continued)</b>	VN	RBC-VNUWPH01	Weatherproof Housing for VN-U0015/VN-U00251/VN-U00351SY-E	£4,245
		RBC-VNUWPH02	Weatherproof Housing for VN-U0501/VN-U0651SY-E	£4,671
		RBC-VNUWPH03	Weatherproof Housing for VN-U0801/VN-U01001SY-E	£5,112
		RBC-VNWPH01	VN-M Weatherproof Housing For VN-M150/VN-M250/VN-M350HE	£2,910
		RBC-VNWPH02	VN-M Weatherproof Housing For VN-M500/VN-M650HE	£3,475
		RBC-VNWPH03	VN-M Weatherproof Housing For VN-M800/VN-M1000HE	£4,040
		RBC-VNWPH04	VN-M Weatherproof Housing For VN-M1500/VN-2000HE	£5,783





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