

TOSHIBA

EXPERIENCE
THE FUTURE

Retail Price List 2024

Effective from 1st May 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		£236	£249	£254	£263	£323	£387	£465
Outdoor Unit	RAS-	05E2AVG-E	07E2AVG-E	10E2AVG-E	13E2AVG-E	16E2AVG-E	18E2AVG-E	24E2AVG-E
Outdoor Unit Retail Price		£518	£545	£558	£639	£922	£1,107	£1,330
System Retail Price*		£754	£794	£812	£902	£1,245	£1,494	£1,795
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	£529	£573	£637	£726	£761	£849
Outdoor Unit	RAS-	10J2AVSG-E1	13J2AVSG-E1	16J2AVSG-E1	18J2AVSG-E1	22J2AVSG-E1	24J2AVSG-E1
Outdoor Unit Retail Price	Black	£783	£972	£1,188	£1,316	£1,454	£1,683
System Retail Price*		£1,312	£1,545	£1,825	£2,042	£2,215	£2,532
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	£470	£501	£554	£638	£667	£737
Outdoor Unit	RAS-	10J2AVSG-E1	13J2AVSG-E1	16J2AVSG-E1	18J2AVSG-E1	22J2AVSG-E1	24J2AVSG-E1
Outdoor Unit Retail Price	White	£783	£972	£1,188	£1,316	£1,454	£1,683
System Retail Price*		£1,253	£1,473	£1,742	£1,954	£2,121	£2,420
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-E1	B13N4KVRG-E	B16N4KVRG-E
Indoor Unit Retail Price		£643	£670	£752
Outdoor Unit	RAS-	10J2AVSG-E1	13J2AVSG-E1	16J2AVSG-E1
Outdoor Unit Retail Price		£783	£972	£1,188
System Retail Price*		£1,426	£1,642	£1,940
Rated Cooling Capacity	kW	2.5	3.5	4.6
Rated Heating Capacity	kW	3.2	4.2	5.5
SEER - SCOP		8.50 - 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
System Retail Price*		£1,938	£2,038	£2,461
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

Indoor Unit	RAS-	B10S4KVPGE	B13S4KVPGE	B18S4KVPGE
Indoor Unit Retail Price		£791	£816	£864
Outdoor Unit	RAS-	10S4AVPGE	13S4AVPGE	18S4AVPGE
Outdoor Unit Retail Price		£1,389	£1,473	£1,902
System Retail Price*		£2,180	£2,289	£2,766
Rated Cooling Capacity	kW	2.5	3.5	5.0
Rated Heating Capacity	kW	3.2	4.0	6.0
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**

Indoor Unit	RAS-	B10S4KVDG-E	B13S4KVDG-E	B18S4KVDG-E
Indoor Unit Retail Price		£998	£1,034	£1,128
Outdoor Unit	RAS-	10S4AVPG-E	13S4AVPG-E	18S4AVPG-E
Outdoor Unit Retail Price		£1,389	£1,473	£1,902
System Retail Price*		£2,387	£2,507	£3,030
Rated Cooling Capacity	kW	2.5	3.5	5.0
Rated Heating Capacity	kW	3.2	4.0	6.0
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		£774	£843	£935
Outdoor Unit	RAS-	10J2AVSG-E1	13J2AVSG-E1	18J2AVSG-E1
Outdoor Unit Retail Price		£783	£972	£1,316
System Retail Price*		£1,557	£1,815	£2,251
Rated Cooling Capacity	kW	2.5	3.5	5.0
Rated Heating Capacity	kW	3.2	4.2	6.0
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		£1,145	£1,169	£1,310	£1,852
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

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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		£2,192	£2,673	£3,043
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
Indoor Unit Retail Price		£1,269	£1,344	£1,401
Remote Controller	RBC-	AXU31UM-E	AXU31UM-E	AXU31UM-E
Remote Controller Retail Price		£145	£145	£145
Indoor Unit Retail Price (inc. Facia Panel & Controller) *		£1,414	£1,489	£1,546
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 (£220) available as optional accessories

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

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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)*		£959	£972	£985	£1,050	£1,227	£1,268
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 (£220) available as optional accessories

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

RAS Accessories

RAS Accessories	Product Range	Model	Description	Price
Wireless Controller				
Wireless Controller	RAS	RB-RXS31-E	Weekly-Timer, IMS Combination (WH-TA03EE)	£80
		RB-RXS33-E	Remote Controller Weekly-Timer (WH-TA15PE)	£80
		RB-RXS34-E	Remote Controller RAS (Seiya, Shorai, Console, Daiseikai)	£92
Controller Wired				
Controller Wired	RAS	RB-RWS21-E	Hard Wired Remote Controller RAS Cassette & Ducted	£220
Indoor Interfaces				
Indoor Interface	RAS	RBC-IS-IR-WIFI-1	IntesisHome Wi-Fi Universal Controller	£283
		RB-N105S-G	Wi-Fi Adapter	£146
		RB-N106S-G	Wi-Fi Adapter & Cable	£153
		RBC-IT3-PE	Timer Interface For Daiseikai 2 & 3	£167
Fabric Covers				
Fabric Cover	RAS Haori	RB-I4101-E	Fabric Dark Grey	£75
		RB-I4102-E	Fabric Light Grey	£75
		RB-I4103-E	Fabric Bluish Grey	£93
		RB-I4104-E	Fabric Grey Beige	£93
		RB-I4105-E	Fabric Dark Brown	£93
		RB-I4106-E	Fabric Emerald Blue	£93
Anti-Corrosion Coating				
Anti-Corrosion Coating	RAS	CACC-SF	Single Fan Unit Coil Anti-Corrosion Coating	£327

**TOSHIBA****TOSHIBA**

DIGITAL INVERTER CLASSIC

TOSHIBA

DIGITAL INVERTER

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SUPER DIGITAL INVERTER

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RAV Digital Inverters

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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		£565	£609	£732	£732
Outdoor Unit	RAV-	GV561ATP-E	GV801ATP-E	GV1101ATP-E	GV1101AT8P-E
Outdoor Unit Retail Price		£985	£1,262	£1,506	£1,883
System Retail Price*		£1,550	£1,871	£2,238	£2,615
Rated Cooling Capacity	kW	5.0	6.7	9.5	9.5
Rated Heating Capacity	kW	5.3	7.0	10.0	10.0
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	R32/1.7

* 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



Indoor unit (4-way Cassette)	RAV-	HM561UTP-E	HM801UTP-E	HM1101UTP-E	HM1101UTP-E
Facia Panel	RBC-	U32PGP-E	U32PGP-E	U32PGP-E	U32PGP-E
Indoor Unit Retail Price (inc. Facia Panel)		£1,057	£1,136	£1,239	£1,239
Outdoor unit	RAV-	GV561ATP-E	GV801ATP-E	GV1101ATP-E	GV1101AT8P-E
Outdoor Unit Retail Price		£985	£1,262	£1,506	£1,883
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Facia Panel & Controller)*		£2,198	£2,554	£2,901	£3,278

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	6.20-4.20 - 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	R32/1.7

* Other control options are available as accessories

RAV - 4-WAY CASSETTE



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**TOSHIBA****TOSHIBA**

DIGITAL INVERTER CLASSIC

**RAV 4-Way Cassette - Digital Inverter Classic - Series 1 (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
Indoor Unit Retail Price (inc. Facia Panel)		£1,267	£1,267	£1,355	£1,355
Outdoor unit	RAV-	GV1401ATP-E	GV1401AT8P-E	GV1601ATP-E	GV1601AT8P-E
Outdoor Unit Retail Price		£1,851	£1,984	£2,136	£2,463
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Facia Panel & Controller)*		£3,274	£3,407	£3,647	£3,974
Rated Cooling Capacity	kW	11.5	12.1	13.0	13.0
Rated Heating Capacity	kW	11.9	12.3	13.5	13.5
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	R32/1.9	R32/2.2	R32/2.2

* Other control options are available as accessories

TOSHIBA

RAV Standard Ducted - Digital Inverter Classic Series 1

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DIGITAL INVERTER CLASSIC



Indoor Unit (Standard Ducted)	RAV-	HM561BTP-E	HM801BTP-E	HM1101BTP-E	HM1101BTP-E	HM1401BTP-E
Indoor Unit Retail Price		£801	£1,034	£1,182	£1,182	£1,319
Outdoor Unit	RAV-	GV561ATP-E	GV801ATP-E	GV1101ATP-E	GV1101AT8P-E	GV1401ATP-E
Outdoor Unit Retail Price		£985	£1,262	£1,506	£1,883	£1,851
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£1,942	£2,452	£2,844	£3,221	£3,326

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	R32/1.7	R32/1.9

* 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		£1,319	£1,439	£1,439
Outdoor Unit	RAV-	GV1401AT8P-E	GV1601ATP-E	GV1601AT8P-E
Outdoor Unit Retail Price		£1,984	£2,136	£2,463
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller)*		£3,459	£3,731	£4,058
Rated Cooling Capacity	kW	12.1	13.0	13.0
Rated Heating Capacity	kW	12.3	13.5	13.5
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	R32/2.2	R32/2.2

* Other control options are available as accessories

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DIGITAL INVERTER



RAV High-Wall - Digital Inverter - Series 1

Indoor Unit (High-wall)	RAV-	HM301KRTP-E	HM401KRTP-E	HM561KRTP-E	HM801KRTP-E
Indoor Unit Retail Price		£422	£458	£565	£609
Outdoor Unit	RAV-	GM301ATP-E	GM401ATP-E	GM561ATP-E1	GM801ATP-E
Outdoor Unit Retail Price		£778	£932	£1,109	£1,464
System Retail Price*		£1,200	£1,390	£1,674	£2,073

Rated Cooling Capacity	kW	2.5	3.6	5.0	6.7
Rated Heating Capacity	kW	3.4	4.0	5.3	7.7
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.36-4.10 - A++/A+	6.12-4.22 - A++/A+	6.31-4.00 - A++/A+	5.73-4.01 - A+/A+
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 - 38	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	R32/1.1/20	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	HM1101 KRTP-E
Indoor Unit Retail Price		£671	£732	£732
Outdoor Unit	RAV-	GM901ATP-E	GM1101ATP-E	GM1101AT8P-E
Outdoor Unit Retail Price		£1,617	£1,929	£2,227
System Retail Price*		£2,288	£2,661	£2,959
Rated Cooling Capacity	kW	8.0	9.5	9.5
Rated Heating Capacity	kW	9.0	11.2	11.2
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

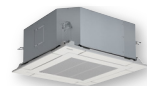
* Standard wireless remote controller included in system price

* Other control options are available as accessories

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DIGITAL INVERTER



RAV Compact Cassette - Digital Inverter - Series 1

Indoor unit (600X600 Cassette)	RAV-	HM301MUT-E	HM401MUT-E	HM561MUT-E
Facia Panel	RBC-	UM21PG(W)-E	UM21PG(W)-E	UM21PG(W)-E
Indoor Unit Retail Price (inc. Facia Panel)		£1,173	£1,182	£1,200
Outdoor unit	RAV-	GM301ATP-E	GM401ATP-E	GM561ATP-E1
Outdoor Unit Retail Price		£778	£932	£1,109
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Facia Panel & Controller)*		£1,226	£1,380	£1,557
Rated Cooling Capacity	kW	2.5	3.6	5.0
Rated Heating Capacity	kW	3.4	4.0	5.3
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.94-4.70 - A+/A++	5.76-4.44 - A+/A+	6.10-4.37 - 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 - 38
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	R32/1.1/20

* Other control options are available as accessories



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DIGITAL INVERTER

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

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
Indoor Unit Retail Price (inc. Facia Panel)		£1,057	£1,136	£1,188	£1,239	£1,239
Outdoor unit	RAV-	GM561ATP-E1	GM801ATP-E	GM901ATP-E	GM1101ATP-E	GM1101AT8P-E
Outdoor Unit Retail Price		£1,109	£1,464	£1,617	£1,929	£2,227
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156
System Retail Price (inc. Facia Panel & Controller)*		£2,322	£2,756	£2,961	£3,324	£3,622

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	6.47-4.60 - 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 - 38	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	R32/1.1/20	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)

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
Indoor Unit Retail Price (inc. Facia Panel)		£1,267	£1,267	£1,355	£1,355
Outdoor unit	RAV-	GM1401ATP-E	GM1401AT8P-E	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,033	£2,346	£2,735	£3,036
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Facia Panel & Controller)*		£3,456	£3,769	£4,246	£4,547
Rated Cooling Capacity	kW	12.0	12.0	14.0	14.0
Rated Heating Capacity	kW	13.0	13.0	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.71-4.29 - 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		£822	£897	£1,061	£1,109	£1,157
Outdoor unit	RAV-	GM401ATP-E	GM561ATP-E1	GM801ATP-E	GM901ATP-E	GM1101ATP-E
Outdoor Unit Retail Price		£932	£1,109	£1,464	£1,617	£1,929
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£1,910	£2,162	£2,681	£2,882	£3,242
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+++	5.61-4.32 - 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 - 38	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	R32/1.1/20	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)

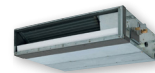
Indoor unit (Ceiling)	RAV-	HM1101CTP-E	HM1401CTP-E	HM1401CTP-E	HM1601CTP-E	HM1601CTP-E
Indoor Unit Retail Price		£1,157	£1,458	£1,458	£1,485	£1,485
Outdoor unit	RAV-	GM1101AT8P-E	GM1401ATP-E	GM1401AT8P-E	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,227	£2,033	£2,346	£2,735	£3,036
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£3,540	£3,647	£3,960	£4,376	£4,677

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 Slim Ducted - Digital Inverter - Series 1**

Indoor Unit (Slim Ducted)	RAV-	HM561SDTY-E
Indoor Unit Retail Price		£738
Outdoor Unit	RAV-	GM561ATP-E1
Outdoor Unit Retail Price		£1,109
Controller	RBC-	AMSU52-E
Controller Retail Price		£156
System Retail Price (inc. Controller)*		£2,003
Rated Cooling Capacity	kW	5.0
Rated Heating Capacity	kW	5.3
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.68-4.00 - A+/A+
Dimensions (H x W x D) - ID	mm	210 x 900 x 450
Dimensions (H x W x D) - OD	mm	550 x 780 x 290
Weight ID - OD	kg	19 - 38
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	5/30 - 30
Chargeless Pipe Length	m	20
Refrigerant - Additional Charge	Type/kg/g	R32/1.1/20

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		£801	£1,034	£1,108	£1,182	£1,182
Outdoor Unit	RAV-	GM561ATP-E1	GM801ATP-E	GM901ATP-E	GM1101ATP-E	GM1101AT8P-E
Outdoor Unit Retail Price		£1,109	£1,464	£1,617	£1,929	£2,227
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156
System Retail Price (inc. Controller) *		£2,066	£2,654	£2,881	£3,267	£3,565

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	5.39-4.08 - 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 - 38	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	R32/1.1/20	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



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**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**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		£1,319	£1,319	£1,439	£1,439
Outdoor Unit	RAV-	GM1401ATP-E	GM1401AT8P-E	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,033	£2,346	£2,735	£3,036
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£3,508	£3,821	£4,330	£4,631
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



RAV High Static Ducted - Big DI Inverter Series 1

Indoor Unit (High Static Ducted)	RAV-	RM2241DTP-E2	RM2801DTP-E2
Indoor Unit Retail Price		£3,604	£3,820
Outdoor Unit	RAV-	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller)*		£9,111	£9,337
Rated Cooling Capacity	kW	19.0	22.5
Rated Heating Capacity	kW	22.4	27.0
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 Indoor Unit	V-ph-Hz-A	220/240-1-50 15	220/240-1-50 15
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	Type/kg/g	R32/5.0/80	R32/5.0/80

* Other control options are available as accessories



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**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		£1,976	£2,118	£2,284	£2,284	£2,396	£2,396
Outdoor Unit	RAV-	GM561ATP-E1	GM801ATP-E	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E	GM1401AT8P-E
Outdoor Unit Retail Price		£1,109	£1,464	£1,929	£2,227	£2,033	£2,346
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£3,241	£3,738	£4,369	£4,667	£4,585	£4,898
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	5.25-4.00 - 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 - 38	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	R32/1.1/20	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

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

TOSHIBA

DIGITAL INVERTER



Indoor unit x2	RAV-	HM301 KRTP-E	HM401 KRTP-E	HM561 KRTP-E	HM561 KRTP-E	HM801 KRTP-E
Indoor Unit Retail Price (Eacg)		£422	£458	£565	£565	£609
Outdoor unit	RAV-	GM561 ATP-E1	GM801 ATP-E	GM1101 ATP-E	GM1101 AT8P-E	GM1401 ATP-E
Outdoor Unit Retail Price		£1,109	£1,464	£1,929	£2,227	£2,033
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£2,109	£2,536	£3,215	£3,513	£3,407

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	10 - 38	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	220/240-1-50 16 (3C+E)	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	1/2 - 1/4	550 x 780 x 290	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	5 - 30/30	10 - 44	14 - 68	14 - 68	14 - 68
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	20	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	R32/1.1/20-20	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 (£227) not included, pipe connectors can be obtained locally

RAV - HIGH - WALL



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**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**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 (Each)		£609	£609	£609	£732
Outdoor unit	RAV-	GM1401AT8P-E	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1
Outdoor Unit Retail Price		£2,346	£2,735	£3,036	£5,351
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£3,720	£4,109	£4,410	£6,971
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 (£227) 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 (Each)		£1,173	£1,182	£1,200	£1,200
Outdoor unit	RAV-	GM561ATP-E1	GM801ATP-E	GM1101ATP-E	GM1101AT8P-E
Outdoor Unit Retail Price		£1,109	£1,464	£1,929	£2,227
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£3,611	£3,984	£4,485	£4,783
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	15 - 38	*/-	5.50-4.02 - A/A+	5.50-4.02 - A/A+
Dimensions (H x W x D) - ID	mm	220/240-1-50 16 (3C+E)	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	1/2 - 1/4	550 x 780 x 290	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	5 - 30/30	15 - 44	15 - 68	15 - 68
Suggested Power Supply OD & Interconnecting Cable	V-ph-Hz-A	20	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	R32/1.1/20-20	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 (£227) 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 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 (Each)		£1,057	£1,057	£1,136	£1,136
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E	GM1401AT8P-E
Outdoor Unit Retail Price		£1,929	£2,227	£2,033	£2,346
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£4,199	£4,497	£4,461	£4,774
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 (£227) not included, pipe connectors can be obtained locally

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

TOSHIBA

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

TOSHIBA

DIGITAL INVERTER



Indoor unit x2	RAV-	HM801UTP-E	HM801UTP-E	HM1101UTP-E	HM1401UTP-E
Indoor Unit Retail Price (Each)		£1,136	£1,136	£1,239	£1,267
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£2,735	£3,036	£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller) *		£5,163	£5,464	£7,985	£8,051

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 (€227) 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**

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 (Each)		£822	£897	£897	£1,061	£1,061
Outdoor unit	RAV-	GM801ATP-E	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E	GM1401AT8P-E
Outdoor Unit Retail Price		£1,464	£1,929	£2,227	£2,033	£2,346
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£3,264	£3,879	£4,177	£4,311	£4,624

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 (£227) not included, pipe connectors can be obtained locally



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 (Each)		£1,061	£1,061	£1,157	£1,458
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£2,735	£3,036	£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£5,013	£5,314	£7,821	£8,433
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 (€227) 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 (Each)		£801	£801	£1,034	£1,034
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E	GM1401AT8P-E
Outdoor Unit Retail Price		£1,929	£2,227	£2,033	£2,346
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£3,687	£3,985	£4,257	£4,570
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 (£227) not included, pipe connectors can be obtained locally

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 (Each)		£1,034	£1,034	£1,182	£1,319
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£2,735	£3,036	£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£4,959	£5,260	£7,871	£8,155

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 (£227) 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 1**

Indoor unit x2	RAV-	HM561FT-E	HM561FT-E	HM801FT-E	HM801FT-E	HM1101FT-E	HM1401FT-E
Indoor Unit Retail Price (Each)		£1,976	£1,976	£2,118	£2,118	£2,284	£2,396
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E	GM1401AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£1,929	£2,227	£2,033	£2,346	£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£6,037	£6,335	£6,425	£6,738	£10,075	£10,309

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 (£227) 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

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

TOSHIBA

DIGITAL INVERTER



Indoor unit x3	RAV-	HM301 KRTP-E	HM301 KRTP-E	HM401 KRTP-E	HM401 KRTP-E
Indoor Unit Retail Price (Each)		£422	£422	£458	£458
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E	GM1401AT8P-E
Outdoor Unit Retail Price		£1,929	£2,227	£2,033	£2,346
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller) *		£3,641	£3,939	£3,853	£4,166

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 (£290) is included in the system price

RAV - HIGH - WALL



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**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 (Each)		£565	£565	£609	£609
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£2,735	£3,036	£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£4,876	£5,177	£7,624	£7,634
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

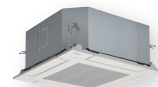
** Branch kit RBC-TRP100E (£290) is included in the system price

TOSHIBA

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

TOSHIBA

DIGITAL INVERTER



Indoor unit x3	RAV-	HM301MUT-E	HM301MUT-E	HM401MUT-E	HM401MUT-E	HM561MUT-E	HM561MUT-E
Indoor Unit Retail Price (Each)		£1,173	£1,173	£1,182	£1,182	£1,200	£1,200
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E	GM1401AT8P-E	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£1,929	£2,227	£2,033	£2,346	£2,735	£3,036
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£5,894	£6,192	£6,025	£6,338	£6,781	£7,082

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 (£290) 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**

DIGITAL INVERTER

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

Indoor unit x3	RAV-	HM561UTP-E	HM561UTP-E	HM801UTP-E	HM801UTP-E
Indoor Unit Retail Price (Each)		£1,057	£1,057	£1,136	£1,136
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£2,735	£3,036	£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£6,352	£6,653	£9,205	£9,215

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 (£290) is included in the system price

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

TOSHIBA

RAV Triple-Split Ceiling - Digital Inverter - Series 1

TOSHIBA

DIGITAL INVERTER



Indoor unit x3	RAV-	HM401CTP-E	HM401CTP-E	HM561CTP-E
Indoor Unit Retail Price (Each)		£822	£822	£897
Outdoor unit	RAV-	GM1401ATP-E	GM1401AT8P-E	GM1601ATP-E
Outdoor Unit Retail Price		£2,033	£2,346	£2,735
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller)*		£4,945	£5,258	£5,872

Rated Cooling Capacity	kW	12.1	12.1	14.0
Rated Heating Capacity	kW	12.8	12.8	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.36-4.19 - 211.4/164.6	5.36-4.19 - 211.4/164.6	5.90-4.10 - 233.0/161.0
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 950 x 690	235 x 950 x 690
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	23 - 68	23 - 68	23 - 95
Suggested Power 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 (£290) is included in the system price



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

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

Indoor unit x3	RAV-	HM561CTP-E	HM801CTP-E	HM801CTP-E
Indoor Unit Retail Price (Each)		£897	£1,061	£1,061
Outdoor unit	RAV-	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£3,036	£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller)*		£6,173	£8,980	£8,990
Rated Cooling Capacity	kW	14.0	20.0	23.5
Rated Heating Capacity	kW	16.0	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.90-4.10 - 233.0/161.0	5.94-3.81 - 234.6/149.4	5.41-3.67 - 213.4/143.8
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 1270 x 690	235 x 1270 x 690
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	23 - 94	29 - 142	29 - 142
Suggested Power 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 (£290) 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 (Each)		£801	£801	£1,034	£1,034
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£2,735	£3,036	£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£5,584	£5,885	£8,899	£8,909

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 (\$290) is included in the system price

RAV - STANDARD DUCTED



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**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

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

Indoor unit x3	RAV-	HM801FT-E	HM801FT-E
Indoor Unit Retail Price (Each)		£2,118	£2,118
Outdoor unit	RAV-	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller)*		£12,151	£12,161

Rated Cooling Capacity	kW	20.0	23.5
Rated Heating Capacity	kW	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.36-3.62 - 211.4/141.8	5.15-3.59 - 203.0/140.6
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 210
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	45 - 142	45 - 142
Suggested Power 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 (£290) 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

DIGITAL INVERTER



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

Indoor unit x4	RAV-	HM301 KRTP-E	HM301 KRTP-E	HM401 KRTP-E	HM401 KRTP-E	HM561 KRTP-E	HM801 KRTP-E
Indoor Unit Retail Price (Each)		£422	£422	£458	£458	£565	£609
Outdoor unit	RAV-	GM1401 ATP-E	GM1401 AT8P-E	GM1601 ATP-E	GM1601 AT8P-E	GM2241 AT8-E1	GM2801 AT8-E1
Outdoor Unit Retail Price		£2,033	£2,346	£2,735	£3,036	£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£3,877	£4,190	£4,723	£5,024	£7,767	£7,953

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 (£310) not included, pipe connectors can be obtained locally

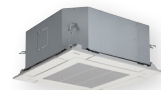
RAV - HIGH - WALL



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**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 (Each)		£1,173	£1,173	£1,182	£1,182	£1,200
Outdoor unit	RAV-	GM1401ATP-E	GM1401AT8P-E	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1
Outdoor Unit Retail Price		£2,033	£2,346	£2,735	£3,036	£5,351
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£6,881	£7,194	£7,619	£7,920	£10,307
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 (£310) 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 4-Way Cassette - Digital Inverter - Series 1

Indoor unit x4	RAV-	HM561UTP-E	HM801UTP-E
Indoor Unit Retail Price (Each)		£1,057	£1,136
Outdoor unit	RAV-	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller)*		£9,735	£10,061

Rated Cooling Capacity	kW	20.0	23.0
Rated Heating Capacity	kW	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.80-4.06 - 269.0/159.4	6.42-3.91 - 253.8/153.4
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	20 - 142	20 - 142
Suggested Power 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 (£310) 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**

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 (Each)		£822	£822	£897	£1,061
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£2,735	£3,036	£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£6,179	£6,480	£9,095	£9,761
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 (£310) not included, pipe connectors can be obtained locally

TOSHIBA

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DIGITAL INVERTER



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

Indoor unit x4	RAV-	HM561BTP-E	HM801BTP-E
Indoor Unit Retail Price (Each)		£801	£1,034
Outdoor unit	RAV-	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller)*		£8,711	£9,653

Rated Cooling Capacity	kW	20.0	23.5
Rated Heating Capacity	kW	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.58-3.76 - 220.2/147.4	5.35-3.67 - 211.0/143.8
Dimensions (H x W x D) - ID	mm	275 x 700 x 750	275 x 1000 x 750
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	23 - 142	30 - 142
Suggested Power 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 (£310) not included, pipe connectors can be obtained locally

RAV - STANDARD DUCTED



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**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

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

Indoor unit x4	RAV-	HM561FT-E	HM561FT-E
Indoor Unit Retail Price (Each)		£1,976	£1,976
Outdoor unit	RAV-	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£5,351	£5,361
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller)*		£13,411	£13,421

Rated Cooling Capacity	kW	20.0	23.5
Rated Heating Capacity	kW	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.32-3.61 - 209.8/141.4	5.12-3.59 - 201.8/140.6
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 210
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	44 - 142	44 - 142
Suggested Power 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 (£310) 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

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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		£422	£458	£565	£609
Outdoor Unit	RAV-	GM302ATP-E	GM402ATP-E	GM562ATP-E	GM802ATW-E
Outdoor Unit Retail Price		£778	£932	£1,109	£1,464
System Retail Price*		£1,200	£1,390	£1,674	£2,073

Rated Cooling Capacity	kW	2.5	3.6	5.0	6.7
Rated Heating Capacity	kW	3.4	4.0	5.3	7.7
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		£671	£732	£732
Outdoor Unit	RAV-	GM902ATW-E	GM1102ATW-E	GM1102AT8W-E
Outdoor Unit Retail Price		£1,617	£1,929	£2,227
System Retail Price*		£2,288	£2,661	£2,959
Rated Cooling Capacity	kW	8.0	9.5	9.5
Rated Heating Capacity	kW	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

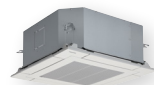
* Standard wireless remote controller included in system price

* Other control options are available as accessories

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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
Indoor Unit Retail Price (inc. Facia Panel)		£1,173	£1,182	£1,200
Outdoor unit	RAV-	GM302ATP-E	GM402ATP-E	GM562ATP-E
Outdoor Unit Retail Price		£778	£932	£1,109
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Facia Panel & Controller)*		£2,107	£2,270	£2,465

Rated Cooling Capacity	kW	3.4	4.0	5.3
Rated Heating Capacity	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



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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
Indoor Unit Retail Price (inc. Facia Panel)		£1,057	£1,136	£1,188	£1,239	£1,239
Outdoor unit	RAV-	GM562ATP-E	GM802ATW-E	GM902ATW-E	GM1102ATW-E	GM1102AT8W-E
Outdoor Unit Retail Price		£1,109	£1,464	£1,617	£1,929	£2,227
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156
System Retail Price (inc. Facia Panel & Controller)*		£2,322	£2,756	£2,961	£3,324	£3,622
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 - 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
Indoor Unit Retail Price (inc. Facia Panel)		£1,267	£1,267	£1,355	£1,355
Outdoor unit	RAV-	GM1402ATW-E	GM1402AT8W-E	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,033	£2,346	£2,735	£3,036
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Facia Panel & Controller)*		£3,456	£3,769	£4,246	£4,547
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	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		£822	£897	£1,061	£1,109	£1,157
Outdoor unit	RAV-	GM402ATP-E	GM562ATP-E	GM802ATW-E	GM902ATW-E	GM1102ATW-E
Outdoor Unit Retail Price		£932	£1,109	£1,464	£1,617	£1,929
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£1,910	£2,162	£2,681	£2,882	£3,242

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

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

TOSHIBA

DIGITAL INVERTER



Indoor unit (Ceiling)	RAV-	HM1101CTP-E	HM1401CTP-E	HM1401CTP-E	HM1601CTP-E	HM1601CTP-E
Indoor Unit Retail Price		£1,157	£1,458	£1,458	£1,485	£1,485
Outdoor unit	RAV-	GM1102AT8W-E	GM1402ATW-E	GM1402AT8W-E	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,227	£2,033	£2,346	£2,735	£3,036
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£3,540	£3,647	£3,960	£4,376	£4,677

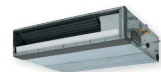
Rated Cooling Capacity	kW	9.5	12.1	12.1	14.0	14.0
Rated Heating Capacity	kW	11.2	13.0	13.0	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.46-4.29 - A++/A+	6.16-4.28 - 243.4/168.2	5.87-4.20 - 231.8/165	6.25-4.30 - 247/169	6.12-4.22 - 241.8/165.8
Dimensions (H x W x D) - ID	mm	235 x 1586 x 690	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**

Indoor unit (Slim Ducted)	RAV-	HM301SDTY-E	HM401SDTY-E	HM561SDTY-E	HM801SDTY-E
Indoor Unit Retail Price		£668	£682	£738	£826
Outdoor unit	RAV-	GM302ATP-E	GM402ATP-E	GM562ATP-E	GM802ATW-E
Outdoor Unit Retail Price		£778	£932	£1,109	£1,464
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£1,602	£1,770	£2,003	£2,446
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	6.41-4.35 - 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

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		£801	£1,034	£1,108	£1,182	£1,182
Outdoor unit	RAV-	GM562ATP-E	GM802ATW-E	GM902ATW-E	GM1102ATW-E	GM1102AT8W-E
Outdoor Unit Retail Price		£1,109	£1,464	£1,617	£1,929	£2,227
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£2,066	£2,654	£2,881	£3,267	£3,565

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

DIGITAL INVERTER



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**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		£1,319	£1,319	£1,439	£1,439
Outdoor unit	RAV-	GM1402ATW-E	GM1402AT8W-E	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,033	£2,346	£2,735	£3,036
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£3,508	£3,821	£4,330	£4,631
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

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		£1,976	£2,118	£2,202	£2,284	£2,284
Outdoor Unit	RAV-	GM562ATP-E	GM802ATW-E	GM902ATW-E	GM1102ATW-E	GM1102AT8W-E
Outdoor Unit Retail Price		£1,109	£1,464	£1,617	£1,929	£2,227
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£3,241	£3,738	£3,975	£4,369	£4,667

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	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

TOSHIBA

DIGITAL INVERTER



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

**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		£2,396	£2,396	£2,513	£2,513
Outdoor Unit	RAV-	GM1402ATW-E	GM1402AT8W-E	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,033	£2,346	£2,735	£3,036
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£4,585	£4,898	£5,404	£5,705

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 (Each)		£565	£565	£609
Outdoor unit	RAV-	GM1 102ATW-E	GM1 102AT8W-E	GM1 402ATW-E
Outdoor Unit Retail Price		£1,929	£2,227	£2,033
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller)*		£3,215	£3,513	£3,407

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

** Branch Kit RBC-TWP101E (£227) not included, pipe connectors can be obtained locally



**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

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

Indoor unit x2	RAV-	HM801KRTP-E	HM801KRTP-E	HM801KRTP-E
Indoor Unit Retail Price (Each)		£609	£609	£609
Outdoor unit	RAV-	GM1402AT8W-E	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,346	£2,735	£3,036
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller)*		£3,720	£4,109	£4,410
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

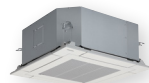
* Other control options are available as accessories

** Branch Kit RBC-TWP101E (€227) not included, pipe connectors can be obtained locally

TOSHIBA

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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 (Each)		£1,200	£1,200
Outdoor unit	RAV-	GM1102ATW-E	GM1102AT8W-E
Outdoor Unit Retail Price		£1,929	£2,227
Controller	RBC	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller)*		£4,485	£4,783

Rated Cooling Capacity	kW	9.5	9.5
Rated Heating Capacity	kW	11.2	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	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 (£227) 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 (Each)		£1,057	£1,057	£1,136	£1,136	£1,136	£1,136
Outdoor unit	RAV-	GM1102ATW-E	GM1102AT8W-E	GM1402ATW-E	GM1402AT8W-E	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£1,929	£2,227	£2,033	£2,346	£2,735	£3,036
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£4,199	£4,497	£4,461	£4,774	£5,163	£5,464

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 (£227) not included, pipe connectors can be obtained locally

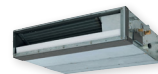
*** See single split systems pages for cassette panel model reference.

TOSHIBA

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

TOSHIBA

DIGITAL INVERTER



Indoor unit x2	RAV-	HM561SDTY-E	HM561SDTY-E	HM801SDTY-E	HM801SDTY-E
Indoor Unit Retail Price (Each)		£738	£738	£826	£826
Outdoor unit	RAV-	GM1102ATW-E	GM1102AT8W-E	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£1,929	£2,227	£2,735	£3,036
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller) *		£3,561	£3,859	£4,543	£4,844

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 (£227) not included, pipe connectors can be obtained locally

RAV - SLIM DUCTED



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**TOSHIBA****TOSHIBA**

DIGITAL INVERTER

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

Indoor unit x2	RAV-	HM561CTP-E	HM561CTP-E	HM801CTP-E
Indoor Unit Retail Price (Each)		£897	£897	£1,061
Outdoor unit	RAV-	GM1102ATW-E	GM1102AT8W-E	GM1402ATW-E
Outdoor Unit Retail Price		£1,929	£2,227	£2,033
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller)*		£3,879	£4,177	£4,311

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 (£227) not included, pipe connectors can be obtained locally



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

Indoor unit x2	RAV-	HM801CTP-E	HM801CTP-E	HM801CTP-E
Indoor Unit Retail Price (Each)		£1,061	£1,061	£1,061
Outdoor unit	RAV-	GM1402AT8W-E	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,346	£2,735	£3,036
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller) *		£4,624	£5,013	£5,314

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	5.83 - 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 (£227) 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 (Each)		£801	£801	£1,034	£1,034	£1,034	£1,034
Outdoor unit	RAV-	GM1102ATW-E	GM1102AT8W-E	GM1402ATW-E	GM1402AT8W-E	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£1,929	£2,227	£2,033	£2,346	£2,735	£3,036
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£3,687	£3,985	£4,257	£4,570	£4,959	£5,260

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 (€227) not included, pipe connectors can be obtained locally



**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 (Each)		£1,976	£1,976	£2,118	£2,118	£2,118	£2,118
Outdoor unit	RAV-	GM1102ATW-E	GM1102AT8W-E	GM1402ATW-E	GM1402AT8W-E	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£1,929	£2,227	£2,033	£2,346	£2,735	£3,036
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£6,037	£6,335	£6,425	£6,738	£7,127	£7,428

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 (£227) 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

Indoor unit x3	RAV-	HM561KRTP-E	HM561KRTP-E
Indoor Unit Retail Price (Each)		£565	£565
Outdoor unit	RAV-	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,735	£3,036
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller)**		£4,876	£5,177

Rated Cooling Capacity	kW	14.0	14.0
Rated Heating Capacity	kW	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.63 - 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 (£290) 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 (Each)		£1,200	£1,200
Outdoor unit	RAV-	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,735	£3,036
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller)**		£6,781	£7,082
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 (£290) is included in the system price

TOSHIBA

TOSHIBA

DIGITAL INVERTER



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

Indoor unit x3	RAV-	HM561UTP-E	HM561UTP-E
Indoor Unit Retail Price (Each)		£1,057	£1,057
Outdoor unit	RAV-	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,735	£3,036
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller)**		£6,352	£6,653

Rated Cooling Capacity	kW	14.0	14.0
Rated Heating Capacity	kW	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.51 - 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.

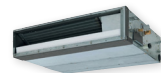
** Branch kit RBC-TRP100E (£290) is included in the system price.

*** 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 (Each)		£738	£738
Outdoor unit	RAV-	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,735	£3,036
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller)**		£5,395	£5,696

Rated Cooling Capacity	kW	14.0	14.0
Rated Heating Capacity	kW	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.1 - 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 (£290) 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 (Each)		£897	£897
Outdoor unit	RAV-	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,735	£3,036
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller)**		£5,872	£6,173
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 kit RBC-TRP100E (£290) 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 (Each)		£801	£801
Outdoor unit	RAV-	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,735	£3,036
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller)**		£5,584	£5,885

Rated Cooling Capacity	kW	14.0	14.0
Rated Heating Capacity	kW	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.83 - 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 (£290) is included in the system price

TOSHIBA

TOSHIBA

DIGITAL INVERTER



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

Indoor unit x3	RAV-	HM561FT-E	HM561FT-E
Indoor Unit Retail Price (Each)		£1,976	£1,976
Outdoor unit	RAV-	GM1602ATW-E	GM1602AT8W-E
Outdoor Unit Retail Price		£2,735	£3,036
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller)**		£9,109	£9,410

Rated Cooling Capacity	kW	20.0	20.0
Rated Heating Capacity	kW	22.4	22.4
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 (£290) 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		£565	£609	£732	£732
Outdoor Unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,470	£2,138	£3,097	£3,278
System Retail Price*		£2,035	£2,747	£3,829	£4,010

Rated Cooling Capacity	kW	5.0	7.1	10.0	10.0
Rated Heating Capacity	kW	5.6	8.0	11.2	11.2
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 (Smart Cassette)	RAV-	HM561UT-E	HM801UT-E	HM1101UT-E	HM1401UT-E
Facia Panel	RBC-	U33P-E	U33P-E	U33P-E	U33P-E
Indoor Unit Retail Price (inc. Facia Panel)		£1,297	£1,544	£1,579	£1,615
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1401AT-E1
Outdoor Unit Retail Price		£1,470	£2,138	£3,097	£3,400
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Facia Panel & Controller)*		£2,923	£3,838	£4,832	£5,171
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





TOSHIBA

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SUPER DIGITAL INVERTER



RAV Compact Cassette - Super Digital Inverter - Series 1

Indoor unit (600x600 Cassette)	RAV-	HM561MUT-E
Facia Panel	RBC-	UM21PG(W)-E
Indoor Unit Retail Price (inc. Facia Panel)		£1,200
Outdoor unit	RAV-	GP561ATW-E
Outdoor Unit Retail Price		£1,470
Controller	RBC-	AMSU52-E
Controller Retail Price		£156
System Retail Price (inc. Facia Panel & Controller)*		£2,826

Rated Cooling Capacity	kW	5.0
Rated Heating Capacity	kW	5.6
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 (4-Way Cassette)	RAV-	HM561UTP-E	HM801UTP-E	HM1101UTP-E	HM1101UTP-E
Facia Panel	RBC-	U32PGP-E	U32PGP-E	U32PGP-E	U32PGP-E
Indoor Unit Retail Price (inc. Facia Panel)		£1,057	£1,136	£1,239	£1,239
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,470	£2,138	£3,097	£3,278
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Facia Panel & Controller)*		£2,683	£3,430	£4,492	£4,673

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 (4-Way Cassette)	RAV-	HM1401UTP-E	HM1401UTP-E	HM1601UTP-E
Facia Panel	RBC-	U32PGP-E	U32PGP-E	U32PGP-E
Indoor Unit Retail Price (inc. Facia Panel)		£1,267	£1,267	£1,355
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,400	£3,423	£3,639
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Facia Panel & Controller)*		£4,823	£4,846	£5,150
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

Indoor unit (Ceiling)	RAV-	HM561CTP-E	HM801CTP-E	HM1101CTP-E	HM1101CTP-E
Indoor Unit Retail Price		£897	£1,061	£1,157	£1,157
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,470	£2,138	£3,097	£3,278
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£2,523	£3,355	£4,410	£4,591

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)**

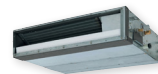
Indoor unit (Ceiling)	RAV-	HM1401CTP-E	HM1401CTP-E	HM1601CTP-E
Indoor Unit Retail Price		£1,458	£1,458	£1,485
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,400	£3,423	£3,639
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller)*		£5,014	£5,037	£5,280
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	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		£738	£826
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E
Outdoor Unit Retail Price		£1,470	£2,138
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156
System Retail Price (inc. Controller)*		£2,364	£3,120
Rated Cooling Capacity	kW	5.0	7.1
Rated Heating Capacity	kW	5.6	8.0
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		£801	£1,034	£1,182	£1,182
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,470	£2,138	£3,097	£3,278
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£2,427	£3,328	£4,435	£4,616

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		£1,319	£1,319	£1,439
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,400	£3,423	£3,639
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller)*		£4,875	£4,898	£5,234

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		£1,976	£2,118	£2,284	£2,284
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,470	£2,138	£3,097	£3,278
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£3,602	£4,412	£5,537	£5,718
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		£2,396	£2,396	£2,513
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,400	£3,423	£3,639
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller)*		£5,952	£5,975	£6,308

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 (Each)		£422	£458	£565	£565
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,470	£2,138	£3,097	£3,278
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£2,470	£3,210	£4,383	£4,564

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 (£227) not included, pipe connectors can be obtained locally

TOSHIBA

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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 (Each)		£609	£609	£609
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,400	£3,423	£3,639
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller)*		£4,774	£4,797	£5,013

Rated Cooling Capacity	kW	12.1	12.1	14.0
Rated Heating Capacity	kW	13.0	13.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	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

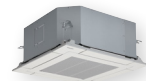
** Branch Kit RBC-TWP101E (£227) not included, pipe connectors can be obtained locally

RAV - HIGH - WALL



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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 (Each)		£1,173	£1,182	£1,200	£1,200
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,470	£2,138	£3,097	£3,278
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£3,972	£4,658	£5,653	£5,834

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	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 (£227) not included, pipe connectors can be obtained locally

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

TOSHIBA

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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 (Each)		£1,057	£1,057	£1,136	£1,136	£1,136
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,097	£3,278	£3,400	£3,423	£3,639
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£5,367	£5,548	£5,828	£5,851	£6,067

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 (£227) not included, pipe connectors can be obtained locally

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

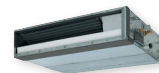
RAV - 4-WAY CASSETTE



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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 (Each)		£682	£738	£738	£826
Outdoor unit	RAV-	GP801ATW-E	GP1101AT-E	GP1101AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£2,138	£3,097	£3,278	£3,639
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156
System Retail Price (inc. Controller)*		£3,658	£4,729	£4,910	£5,447

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 (£227) not included, pipe connectors can be obtained locally

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

TOSHIBA

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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 (Each)		£822	£897	£897	£1,061	£1,061	£1,061
Outdoor unit	RAV-	GP801ATW-E	GP1101AT-E	GP1101AT8-E	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£2,138	£3,097	£3,278	£3,400	£3,423	£3,639
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£3,938	£5,047	£5,228	£5,678	£5,701	£5,917

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 (£227) 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 (Each)		£801	£801	£1,034	£1,034	£1,034
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,097	£3,278	£3,400	£3,423	£3,639
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£4,855	£5,036	£5,624	£5,647	£5,863

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 (£227) not included, pipe connectors can be obtained locally

TOSHIBA

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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 (Each)		£1,976	£1,976	£2,118	£2,118	£2,118
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,097	£3,278	£3,400	£3,423	£3,639
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156
System Retail Price (inc. Controller)*		£7,205	£7,386	£7,792	£7,815	£8,031

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 (£227) 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 (Each)		£422	£422	£458	£458	£565
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,097	£3,278	£3,400	£3,423	£3,639
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156
System Retail Price (inc. Controller)**		£4,809	£4,990	£5,220	£5,243	£5,780

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 (£290) is included in the system price

TOSHIBA

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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 (Each)		£1,173	£1,173	£1,182	£1,182	£1,200
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,097	£3,278	£3,400	£3,423	£3,639
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156	£156	£156
System Retail Price (inc. Controller)**		£7,062	£7,243	£7,392	£7,415	£7,685

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 (£290) 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**

Indoor unit x3	RAV-	HM561UTP-E
Indoor Unit Retail Price (Each)		£1,057
Outdoor unit	RAV-	GP1601AT8-E
Outdoor Unit Retail Price		£3,639
Controller*	RBC-	AMSU52-E
Controller Retail Price		£156
System Retail Price (inc. Controller)**		£7,256
Rated Cooling Capacity	kW	14.0
Rated Heating Capacity	kW	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.90-4.38 - 273.0-172.2
Dimensions (H x W x D) - ID	mm	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320
Weight ID - OD	kg	20 - 95
Suggested Power 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

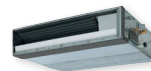
* Other control options are available as accessories.

** Branch kit RBC-TRP100E (£290) 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

Indoor unit x3	RAV-	HM561SDTY-E
Indoor Unit Retail Price (Each)		£738
Outdoor unit	RAV-	GP1601AT8-E
Outdoor Unit Retail Price		£3,639
Controller*	RBC-	AMSU52-E
Controller Retail Price		£156
System Retail Price (inc. Controller)**		£6,299
Rated Cooling Capacity	kW	14.0
Rated Heating Capacity	kW	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.19 - 4.09 - *
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 (£290) is included in the system price

RAV - SLIM DUCTED



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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 (Each)		£822	£822	£897
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,400	£3,423	£3,639
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller)**		£6,312	£6,335	£6,776
Rated Cooling Capacity	kW	12.1	12.1	14.0
Rated Heating Capacity	kW	12.8	12.8	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.93-4.73 - 314.2-186.2	6.55-4.22 - 259.0-165.8	6.17-4.21 - 243.8-165.4
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 950 x 690	235 x 950 x 690
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	23 - 104	23 - 95	23 - 95
Suggested Power 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 (£290) is included in the system price

TOSHIBA

TOSHIBA
SUPER DIGITAL INVERTER



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

Indoor unit x3	RAV-	HM561BTP-E
Indoor Unit Retail Price (Each)		£801
Outdoor unit	RAV-	GP1601AT8-E
Outdoor Unit Retail Price		£3,639
Controller*	RBC-	AMSU52-E
Controller Retail Price		£156
System Retail Price (inc. Controller)**		£6,488
Rated Cooling Capacity	kW	14.0
Rated Heating Capacity	kW	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.75-3.96 - 227.0-155.4
Dimensions (H x W x D) - ID	mm	275 x 700 x 750
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320
Weight ID - OD	kg	23 - 95
Suggested Power 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 (£290) is included in the system price

RAV - STANDARD DUCTED



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SUPER DIGITAL INVERTER

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

Indoor unit x3	RAV-	HM561FT-E
Indoor Unit Retail Price (Each)		£1,976
Outdoor unit	RAV-	GP1601AT8-E
Outdoor Unit Retail Price		£3,639
Controller*	RBC-	AMSU52-E
Controller Retail Price		£156
System Retail Price (inc. Controller)**		£10,013

Rated Cooling Capacity	kW	20.0
Rated Heating Capacity	kW	22.4
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.75-3.98 - 227.0-156.2
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320
Weight ID - OD	kg	44 - 95
Suggested Power 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 (£290) 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.

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SUPER DIGITAL INVERTER



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

Indoor unit x4	RAV-	HM301KRTP-E	HM301KRTP-E	HM401KRTP-E
Indoor Unit Retail Price (Each)		£422	£422	£458
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,400	£3,423	£3,639
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller)**		£5,244	£5,267	£5,627

Rated Cooling Capacity	kW	12.1	12.1	14.0
Rated Heating Capacity	kW	13.0	13.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.10-7.10 - 281.0-281.0	6.44-6.44 - 254.6-254.6	6.13-6.13 - 242.2-242.2
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	10 - 104	10 - 95	10 - 95
Suggested Power 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 (€310) not included, pipe connectors can be obtained locally



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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 (Each)		£1,173	£1,173	£1,182
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,400	£3,423	£3,639
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£156	£156	£156
System Retail Price (inc. Controller)**		£8,248	£8,271	£8,523
Rated Cooling Capacity	kW	12.1	12.1	12.1
Rated Heating Capacity	kW	12.8	12.8	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	*/-	*/-	6.32-6.32 - 249.8-249.8
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	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 (£310) not included, pipe connectors can be obtained locally.

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

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SUPER DIGITAL INVERTER



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

Indoor unit x4	RAV-	HM401CTP-E
Indoor Unit Retail Price (Each)		£822
Outdoor unit	RAV-	GP1601AT8-E
Outdoor Unit Retail Price		£3,639
Controller*	RBC-	AMSU52-E
Controller Retail Price		£156
System Retail Price (inc. Controller)**		£7,083

Rated Cooling Capacity	kW	14.0
Rated Heating Capacity	kW	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.17-6.17 - 243.8-243.8
Dimensions (H x W x D) - ID	mm	235 x 950 x 690
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320
Weight ID - OD	kg	23 - 95
Suggested Power 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 (£310) 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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DIGITAL INVERTER CLASSIC



RBC-AHU1 Air Handling Unit Applications Digital Inverter Classic

Outdoor Unit	RAV-	GV561ATP-E	GV801ATP-E	GV1101ATP-E	GV1101AT8P-E
Outdoor Unit Retail Price		£985	£1,262	£1,506	£1,883
Sound Pressure Level C/H	dB(A)	46/48	48/52	51/53	53/60
Gas Side - Liquid Side	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min.-Max. Length	m	5/30 - 20	5/30 - 20	5/30 - 30	5/30 - 30
Base Charge/Chargeless To	Type/kg/m	R32/0.9/20	R32/1.4/35	R32/1.7/35	R32/1.7/35
Dimensions (HxWxD)	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300	710 x 900 x 320
Total Weight	kg	36	39	45	59
Suggested Power 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
Control Panel	RBC-	AHU1	AHU1	AHU1	AHU1
Control Panel Retail Price		£561	£561	£561	£561
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
Cooling	kW	5.6	8.0	11.2	11.2
Heating	kW	6.3	9.0	13.0	13.0
Air Volume Min - Max	m3/h	480 - 1100	700 - 1500	1260 - 2500	1260 - 2500
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5	5	5

* Follow installation guidance for A2L refrigerant



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

Outdoor Unit	RAV-	GV1401ATP-E	GV1401AT8P-E	GV1601ATP-E	GV1601AT8P-E
Outdoor Unit Retail Price		£1,851	£1,984	£2,136	£2,463
Sound Pressure Level C/H	dB(A)	53/60	53/60	57/59	57/59
Gas Side - Liquid Side	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min.-Max. Length	m	5/30 - 30	5/30 - 30	5/30 - 30	5/30 - 30
Base Charge/Chargeless To	Type/kg/m	R32/1.9/35	R32/1.9/35	R32/2.2/35	R32/2.2/35
Dimensions (HxWxD)	mm	710 x 900 x 320	710 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Total Weight	kg	57	59	64	66
Suggested Power 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
Control Panel	RBC-	AHU1	AHU1	AHU1	AHU1
Control Panel Retail Price		£561	£561	£561	£561
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
Cooling	kW	13.2	13.2	13.2	13.2
Heating	kW	16.0	13.0	13.0	13.0
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

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RBC-AHU1 Air Handling Unit Applications Digital Inverter

Outdoor Unit	RAV-	GM301ATP-E	GM401ATP-E	GM561ATP-E1	GM801ATP-E	GM901ATP-E
Outdoor Unit Retail Price		£778	£932	£1,109	£1,464	£1,617
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	R32/1.1/20 - 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	38	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
Control Panel Retail Price		£561	£561	£561	£561	£561
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
Cooling	kW	2.5	3.6	5.6	8.0	8.0
Heating	kW	3.4	4.0	6.3	9.0	9.0
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
Outdoor Unit Retail Price		£1,929	£2,227	£2,033	£2,346	£2,735
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
Control Panel	RBC-	AHU1	AHU1	AHU1	AHU1	AHU1
Control Panel Retail Price		£561	£561	£561	£561	£561
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
Cooling	kW	11.2	11.2	13.2	13.2	13.2
Heating	kW	13.0	13.0	16.0	13.0	13.0
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)

Outdoor Unit	RAV-	GM1601AT8P-E	GM2241AT8-E1	GM2801AT8-E1
Outdoor Unit Retail Price		£3,036	£5,351	£5,361
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
Control Panel	RBC-	AHU1	AHU1	AHU1
Control Panel Retail Price		£561	£561	£561
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
Cooling	kW	13.2	22.4	27.0
Heating	kW	13.0	25.0	31.5
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-	GP561ATW-E	GP801AT-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,470	£2,480	£3,097	£3,278
Sound Pressure Level C/H	dB(A)	46/48	46/48	49/50	49/50
Gas Side	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
Control Panel	RBC-	AHU1	AHU1	AHU1	AHU1
Control Panel Retail Price		£561	£561	£561	£561
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
Cooling	kW	5.6	8.0	12.0	12.0
Heating	kW	8.1	11.3	13.0	13.0
Air Volume Min - Max	m3/h	480 - 1100	700 - 1500	1260 - 2500	1260 - 2500
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5.00	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
Outdoor Unit Retail Price		£3,400	£3,423	£3,639
Sound Pressure Level C/H	dB(A)	50/51	50/52	51/53
Gas Side	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
Control Panel Retail Price		£561	£561	£561
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
Cooling	kW	14.0	14.0	14.0
Heating	kW	16.5	16.5	16.5
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
Outdoor Unit Retail Price		£985	£1,262	£1,506	£1,883
Pipe connections (gas - liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Max Height Difference	m	5/30 - 20	5/30 - 20	5/30 - 30	5/30 - 30
Chargeless Pipe Length	m	20	20	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/0.9/20	R32/1.4/35	R32/1.7/35	R32/1.7/35
Dimensions (HxWxD)	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300	710 x 900 x 320
Total Weight	kg	36	38	45	59
Suggested Power 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
Control Panel	RBC-	DXC031	DXC031	DXC031	DXC031
Control Panel Retail Price		£916	£916	£916	£916
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8	8
Suggested Power 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
Cooling	kW	5.6	8.0	11.2	11.2
Heating	kW	6.3	9.0	13.0	13.0
Air Volume Min - Max	m3/h	720 - 1080	1060 - 1580	1280 - 1920	1280 - 1920
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5	5	5

* Follow installation guidance for A2L refrigerant

TOSHIBA



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

Outdoor Unit - Digital Inverter Classic	RAV-	GV1401ATP-E	GV1401AT8P-E	GV1601ATP-E	GV1601AT8P-E
Outdoor Unit Retail Price		£1,851	£1,984	£2,136	£2,463
Pipe connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Max Height Difference	m	5/30 - 30	5/30 - 30	5/30 - 30	5/30 - 30
Chargeless Pipe Length	m	30	30	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/1.9/35	R32/1.9/35	R32/2.2/35	R32/2.2/35
Dimensions (HxWxD)	mm	710 x 900 x 320	710 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Total Weight	kg	57	59	64	66
Suggested Power 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
Control Panel	RBC-	DXC031	DXC031	DXC031	DXC031
Control Panel Retail Price		£916	£916	£916	£916
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8	8
Suggested Power 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
Cooling	kW	13.2	13.2	16.0	16.0
Heating	kW	16.0	16.0	18.0	18.0
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-E1	GM801ATP-E	GM901ATP-E
Outdoor Unit Retail Price		£778	£932	£1,109	£1,464	£1,617
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	R32/1.1/20	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	38	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-	DXC031	DXC031	DXC031	DXC031	DXC031
Control Panel Retail Price		£916	£916	£916	£916	£916
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	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
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	2.5	3.6	5.6	8.0	8.8
Heating	kW	3.4	4.0	6.3	9.0	9.9
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

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

Outdoor Unit - Digital Inverter	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E	GM1401AT8P-E	GM1601ATP-E
Outdoor Unit Retail Price		£1,929	£2,227	£2,033	£2,346	£2,735
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
Control Panel	RBC-	DXC031	DXC031	DXC031	DXC031	DXC031
Control Panel Retail Price		£916	£916	£916	£916	£916
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	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
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling	kW	11.2	11.2	13.2	13.2	16.0
Heating	kW	13.0	13.0	16.0	16.0	18.0
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
Outdoor Unit Retail Price		£3,036	£5,351	£5,361
Pipe connections (gas - liquid)	inch	5/8 - 3/8	1-1/8 - 1/2	1-1/8 - 1/2
Min/Max Pipe Length - Max Height Difference	m	5/50 - 30	5/100 - 30	5/100 - 30
Chargeless Pipe Length	m	30	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/2.4/35	R32/5.0/80	R32/5.0/80
Dimensions (HxWxD)	mm	1340 x 900 x 320	1550 x 1010 x 370	1550 x 1010 x 370
Total Weight	kg	94	142	142
Suggested Power Supply	V-ph-Hz-A	380/415-3-50 16	380/415-3-50 16	380/415-3-50 20
Control Panel	RBC-	DXC031	DXC031	DXC031
Control Panel Retail Price		£916	£916	£916
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8
Suggested Power 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
Cooling	kW	16.0	22.4	27.0
Heating	kW	18.0	25.0	31.5
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

Outdoor Unit - Super Digital Inverter	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,470	£2,138	£3,097	£3,278
Pipe connections (gas - liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Max Height Difference	m	3/50 - 30	3/50 - 30	3/75 - 30	3/75 - 30
Chargeless Pipe Length	m	20	30	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/1.35/20	R32/1.9/35	R32/3.1/35	R32/2.6/40
Dimensions (HxWxD)	mm	630 x 799 x 299	1050 x 1010 x 370	1550 x 1010 x 370	1340 x 900 x 320
Total Weight	kg	45	74	104	95
Suggested Power 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
Control Panel	RBC-	DXC031	DXC031	DXC031	DXC031
Control Panel Retail Price		£916	£916	£916	£916
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8	8
Suggested Power 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
Cooling	kW	5.6	8.0	11.2	11.2
Heating	kW	6.3	9.0	13.0	13.0
Air Volume Min - Max	m3/h	720 - 1080	1060 - 1580	1280 - 1920	1280 - 1920
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5	5	5

* Follow installation guidance for A2L refrigerant



RBC-DXC031 Air Handling Unit Applications (Continued)

Outdoor Unit - Super Digital Inverter	RAV-	GP1401AT-E1	GP1401AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,400	£3,423	£3,639
Pipe connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Max Height Difference	m	3/75 - 30	3/75 - 30	3/75 - 30
Chargeless Pipe Length	m	30	30	30
Refrigerant - Additional Charge	Type/kg/g	R32/3.1/35	R32/2.6/40	R32/2.6/40
Dimensions (HxWxD)	mm	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Total Weight	kg	104	95	95
Suggested Power Supply	V-ph-Hz-A	220/240-1-50 25	380/415-3-50 16	380/415-3-50 16
Control Panel	RBC-	DXC031	DXC031	DXC031
Control Panel Retail Price		£916	£916	£916
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8
Suggested Power 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
Cooling	kW	13.2	13.2	16.0
Heating	kW	16.0	16.0	18.0
Air Volume Min - Max	m3/h	1680 - 2520	1680 - 2520	2080 - 3360
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5	5

* Follow installation guidance for A2L refrigerant

TOSHIBA

ACCESSORIES

RAV Accessories

RAV Accessories	Product Range	Model	Description	Price
Wireless Controller/Receiver Kits				
Wireless Controller/ Receiver Kits	RAV	RBC-AX32UW(W)-E	Wireless Remote Controller Kit - 2 Way Cassette	£219
		RBC-AX41U(W)-E	Wireless Receiver Kit for 4-Way Cassette	£191
		RBC-AX33UY-P-E	Wireless Receiver Kit for 1-Way Cassette	£57
		RBC-AXU31C-E	Wireless Remote Controller Kit - Ceiling	£246
		RBC-AXU31-E	Wireless Remote Controller Kit - Others (Exclude High Static Ducted)	£317
		RBC-AXU31U-E	Wireless Receiver Kit for 4-Way Cassette	£225
		RBC-AXU31UM-E	Wireless Receiver Kit for Compact Cassette	£145
		RBC-AXU31UW-E	Wireless Receiver Kit for 2-Way Cassette	£265
		RBC-AXU31UMP-E	Wireless Remote Controller Kit for compact 4-way White	£132
		RBC-AXU31UMPB-E	Wireless Remote Controller Kit for compact 4-way Black	£144
		RBC-AXU33UP-E	Wireless Receiver Kit for 4-Way Cassette (Compatible with MMU-UP_1HP-E & RAV-HM_1UTP-E)	£158
		RBC-AXU41U-E	Wireless Receiver Kit for 4-Way Cassette	£225
		RBC-AXU33UPB-E	Wireless Remote Controller kit (IR receiver + handset), Black colour	£173
Controller Wired				
Controller Wired	RAV	RBC-AS41E	Simplified Remote Controller	£106
		RBC-ASCU11-E	Compact Remote Controller	£76
		RBC-AMT32E	Standard Remote Controller	£80
		RBC-AMTU31-E	Standard Remote Controller	£88
		RBC-AMS41E	Standard Remote Controller C/W 24/7 Schedule Timer	£97

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RAV Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
Controller Wired (Continued)				
Controller Wired (continued)	RAV	RBC-AMSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer	£156
		RBC-AWSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer + Bluetooth	£179
		RBC-MTSC1	Mini Touch Screen Controller	£290
		RBC-MTSC2	Mini Touch Screen Controller C/W Schedule Timer	£344
Central Controller Wired				
Central Controller Wired	RAV	BMS-CT1280E	Touch Screen Controller	£4,189
		BMS-CT2560U-E	256 Touch Screen Controller (Multi Language)	£4,638
		BMS-CT5121E	Touch Screen Controller	£5,733
		RBC-BP2	Black Pear BMS Controller	£4,573
		RBC-BPB1	Black Pear Controller For BACnet	£4,254
		RBC-BPM1	Black Pear Controller For Modbus	£4,254
		RBC-BPT1	Black Pear Controller For Trend	£4,254
		RBC-TBPTS	Toshiba "Smart Touch" Black Pear Touch Screen For 64 Indoor Units.	£3,500
		RBC-TBPTSBC	Smart Touch Back Box	£185
		TCB-SC640U-E	64 Central Remote Controller	£1,045
Control Panel				
Control panel	RAV	RBC-AC1	Unit Auto Change Over With Temperature High Limit Stat (1 Run/1 Standby)	£1,808
		RBC-AC2	Unit Auto Change Over With Temperature High Limit Stat (2 Run/1 Standby)	£2,105

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

RAV Accessories	Product Range	Model	Description	Price
			Control Panel (Continued)	
Control panel (Continued)	RAV	RBC-AM1E	Remote Controller	£168
		RBC-EM1-PE	Energy Monitoring Kit	£1,345
			Indoor Interface	
Indoor Interface	RAV	BMS-IFKX0TLR-E	KNX interface for LC-VRF	£526
		BMS-IFLSV4E	TCS-Net Relay Interface	£994
		BMS-IFMBOTLR-E	Modbus interface for LC-VRF	£440
		BMS-IFMBOUEW-E	Modbus Controller for ESTiA R32	£496
		BMS-IFMB1280U-E	Modbus Interface	£1,980
		BMS-WB2561PWE	Web Server/Gateway Server Connection Of Up To 256 Indoor Units	£4,101
		RBC-AVS2	Averaging Sensors	£196
		RBC-AVS3	Averaging Sensors	£217
		RBC-AVS4	Averaging Sensors	£231
		RBC-CK1	VRF - DI/SDI Conversion Kit	£145
		RBC-CK2	VRF 6 Series MMF Units Conversion Kit	£118
		RBC-FDP3-AHU	Monitoring & Control Interface With AHU Firmware	£594
		RBC-FDP3-PE	Monitoring & Control Interface For VRF & DI/SDI	£420
		RBC-SMF1	Enables Control Of External Fans	£65
		RBC-SMIM2	Indicator Module For Unit In Heating Mode, Cooling Mode Or Fan	£96
		RBC-SMIM3	Indicator Module For Stopping Fault And Unit Run	£91
RBC-SMIM4	Indicator Module For Stopping Fault And Unit Run	£101		

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RAV Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
Indoor Interface (Continued)				
Indoor Interface (Continued)	RAV	RBC-TO-RC-WIFI-1	IntesisHome Wi-Fi - Toshiba LC and VRF	£318
		RBC-TS11	Monitoring & Control Interface For VRF & DI/SDI	£332
		RBC-TXIO	Input/Output Interface For Third Party Equipment	£405
		RB-I301-E	Leak Detection Sensor Kit	£197
		TCB-ADCN510UP-E	4-Way Cassette Facia Panel Adapter	£47
		TCB-IFCB5-PE	Window Switch & Remote ON/OFF	£32
		TCB-IFGSM1E	GSM Phone Control Interface	£732
		TCB-PCNT30TLE2	1:1 Model Connection Interface	£115
		TCB-PX100-PE	Enclosure For The Window Switch Remote ON/OFF	£23
		TCB-PX30MUE	Terminal Box For TCB-PCNT30TLE2	£87
TCB-SSRL011UUP-E	RAC TU2C-Link Interface for BMS	£152		
Indoor Interface Lead				
Indoor Interface Lead	RAV	RBC-TAEX1	Extension Sensor TA	£42
		RBC-CN61CIMC	CN61 5 M Lead	£30
		RBC-IT4-PE	Timer For DI/SDI	£156
		RBC-SMCN61	Interface Lead For ON/OFF And Unit Remote Controller Lock	£12
		RBC-SMCN61L	Interface Lead For Remote Controller Lock	£12
		RBC-SMT1	Timer Interface Lead	£12
		TCB-KBCN32VEE	Connector For CN 32	£201

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ACCESSORIES

RAV Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
			Indoor Interface Lead (Continued)	
Indoor Interface Lead (Continued)	RAV	TCB-KBCN60OPE	Connector For CN 60	£394
		TCB-KBCN61HAE	Connector For CN 61	£400
		TCB-KBCN70OAE	Connector For CN 70	£196
		TCB-KBCN73DEE	Connector For CN 73	£198
		TCB-KBCN80EXE	Connector For CN 80	£204
		TCB-KBOS4E	Cable Connector Kit	£41
			Interface	
Interface	RAV	BMS-IFDD03E	Digital I/O Relay Interface	£688
		BMS-IFWH5E	Energy Monitoring Relay Interface	£650
		RBC-DI1-PE	Digital Input/Output Module (Di160)	£410
		RBC-IT2-PE	Timer Interface For R407C Equipment	£146
		TCB-DK01SS-E	Dyna Doctor Hardware	£2,145
		TCB-IFCB640TLE	Analog Interface	£2,127
		TCB-IFCG1TLE	General Purpose Interface	£2,127
		TCB-IFLN642TLE	LonWorks Gateway,	£1,626
		TCB-PCUC2E	Application Control Kit	£153
TCB-PX40MUME	Control Box Enclosure For Interface PCB's	£87		

RAV Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
Occupancy Sensor				
Occupancy Sensor	RAV	TCB-SIR33UP-E	Occupancy Sensor Kit (Compatible with MMU-UP_1HP-E & RAV-HM_1UTP-E)	£90
		TCB-SIR41U-E	Occupancy Sensor (Smart Cassettes)	£104
		TCB-SIR41UM-E	Occupancy Sensor (New 7 Series Compact Cassettes)	£104
		TCB-SIR41UYP-E	Occupancy Sensor (1-Way cassette)	£90
Remote Sensor				
Remote Sensor	RAV	TCB-TC41U-E	Remote Sensor	£95
Air DisCharge, Filtration & Inlet				
Air DisCharge, Filtration & Inlet	RAV	RBC-VCK1	Ducted Vertical Conversion Kit	£668
		TCB-BC1602UE	4 Way Cassette Air DisCharge Direction Kit (Suit 31PG)	£83
		TCB-BC1603UE	Smart Cassette Air DisCharge Direction Kit	£83
		TCB-FF101URE2	Fresh Air Connection Spigot Kit (New 7 Series Compact Cassettes)	£58
		TCB-FF151US-E	Auxiliary Fresh Air Flange	£70
		TCB-SF160C6BPPE	DisCharge spigots for LC/VRF Ducted 4.0-6.0 HP	£217
		TCB-SF56C6BPPE	DisCharge spigots for LC/VRF Ducted 1.5-2.0 HP	£144
		TCB-SF80C6BPPE	DisCharge spigots for LC/VRF Ducted 3.0 HP	£170
		TCB-EAPC1UHP-E	Air Purifier Kit 4-Way Cassette (Heating RC + PURE Button)	£1,094
		TCB-GB1601UE2	Fresh-Air Inlet Box	£79
		TCB-GB1602UE	Fresh Air Inlet Box	£83
		TCB-GB1602UE2	Fresh Air Inlet Box	£69

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ACCESSORIES

RAV Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
Air DisCharge, Filtration & Inlet (Continued)				
Air DisCharge, Filtration & Inlet (Continued)	RAV	TCB-GFC1601UE2	Fresh-Air & Filter Chamber	£365
		TCB-GFC1602UE2	Fresh Air & Filter Chamber	£181
		TCB-GFC1603UE	Smart Cassette Fresh Air Filter Chamber	£220
		TCB-LK1401D-E	Long Life Filter Kit For MMD-*036_056#HP-E	£94
		TCB-LK2801DP-E	Long Life Filter Kit For MMD-*072_096#HP-E	£144
		TCB-LK801D-E	Long Life Filter Kit For MMD-*018_027#HP-E	£73
		TCB-UFH0481D-E	High Efficiency Filter 90% (48)	£566
		TCB-UFH1281D-E	High Efficiency Filter 90% (72-128)	£808
		TCB-UFM0481D-E	High Efficiency Filter 65% (48)	£563
		TCB-UFM1281D-E	High Efficiency Filter 65% (72-128)	£759
		TCB-SP1602UE	4-Way Cassette Spacer Height Adjustment For RBC-U31PGP(W)-E	£220
		TCB-SP1603UE	Smart Cassette Spacer Height Adjustment For RBC-U41PG(W)-E	£220
R410A Leak Detection				
R410A Leak Detection(Continued)	RAV	RBC-RI1	Room Indicator For Use With RBC-RP1 (Legrand Graphite) Currently Grey	£94
		RBC-LDCIMC	Leak Detection 15M Lead	£58
		RBC-RP1	Repeater Panel C/W Battery Back Up	£1,683
		RBC-TSRP1	Repeater Panel (for use with RBC-TBPTS)	£786
		TCB-LD12V	Room Leak Detection Transformer 12v & Cable Kit (use with TCB-LDS1 & TCB-LDS2)	£203

RAV Accessories (Continued)

RAV Accessories	Product Range	Model	Description	Price
R410A Leak Detection (Continued)				
R410A Leak Detection(Continued)n	RAV	TCB-LDS1	Room Leak Detection Concentration Sensor With White Faceplate (requires Remote 12v Transformer)	£488
		TCB-LDS1BLK	Room Leak Detection Concentration Sensor With Black Faceplate (requires Remote 12v Transformer)	£439
		TCB-LDS2	Room Leak Detection Concentration Sensor With Stainless Steel Faceplate (requires Remote 12v Transformer)	£505
Outdoor Interface				
Outdoor Interface	RAV	TCB-IFCB-4E2	Remote Location ON/OFF Control Box	£339
		TCB-PCDM4E	Power Peak-Cut Control Board (SMMS/SHRM)	£121
		TCB-PCOS1E2	Application Control Kit	£222
Branch Joints				
Branch Joints	RAV	RBC-DTWP101E	Double Twin Kit for DI & SDI	£310
		RBC-TRP100E	Triple Pipe Kit for DI & SDI	£290
		RBC-TWP101E	Twin Kit for DI & SDI	£227
		RBC-TWP30E2	Twin Kit	£95
		RBC-TWP50E2	Twin Kit	£100
Condensate				
Condensate	RAV	TCB-DP22CE2	Drain Up Kits For DI Ceiling FCU	£278
		TCB-DP31CE	Drain Pump For DI Ceiling	£304
		TCB-DP31HEXE	Drain Pump Kit	£753
		TCB-DP40DFP-E	Drain Pump Kit (Lift up to 330 mm)	£444

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

RAV Accessories	Product Range	Model	Description	Price
Condensate (Continued)				
Condensate	RAV	TCB-DP40DPE	Drain Pump Kit (MMD-*0726 To 0966HP-E)	£444
		TCB-KP14CPE	Ceiling Suspended Elbow Piping Kit (1.5-2.0hp)	£85
		TCB-KP22CE2	Elbow Piping Kit (*0241-0481)	£107
		TCB-KP24CPE	Ceiling Suspended Elbow Piping Kit (2.5-5.0hp)	£102
Anti-Corrosion Coating				
Anti-Corrosion Coating	RAV	CACC-DF	Double Fan Unit Coil Anti-Corrosion Coating	£386
		CACC-DF1	Double Fan Unit Coil Anti-Corrosion Coating (Large Cap DI)	£427
		CACC-SF	Single Fan Unit Coil Anti-Corrosion Coating	£327
Painted Finish				
Painted Finish	RAV	Painted-Ducted	Painted Ducted Unit Chassis	£490
		Painted-Ducted	Painted Ducted Unit Chassis	£559
		Painted-Ducted	Painted Ducted Unit Chassis	£630
		Painted-High Wall	Painted High Wall Unit Facia	£333
		PAINT-U21FP	Painted Compact Cassette Facia Panel	£317
		PAINT-U31FP	Painted 4-Way Cassette Facia Panel	£317

TOSHIBA

ESTiA

Estia Air-to-Water Heat Pumps

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Estia Air-to-Water Heat Pump - R32 Outdoor Unit 3ph	142
Estia Air-to-Water Heat Pump - R32 Hydro Unit	143
Estia Air-to-Water Heat Pump - R32 Domestic Hot Water Tank	144
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TOSHIBA

ESTIA



Estia R32 - Outdoor Unit - 1ph

Outdoor Unit	HWT-	401HW-E	601HW-E	801HW-E	1101HW-E	1401HW-E
Outdoor Unit Retail Price		£1,603	£1,802	£3,108	£3,481	£4,302
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**

Outdoor Unit	HWT-	801H8W-E	1101H8W-E	1401H8W-E
Outdoor Unit Retail Price		£3,878	£4,343	£5,377
Nominal Heating Capacity	kW	8.0	11.0	14.0
SCOP - Energy Label	kW/kW	4.51 - A+++	4.56 - A+++	4.57 - A+++
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



Estia R32 - Hydro Unit

Hydro Unit	HWT-	601XWHM3W-E	601XWHM6W-E	1101XWHM3W-E	1101XWHM6W-E	1401XWHM3W-E	1401XWHM6W-E
Hydro Unit Retail Price		£3,251	£3,490	£3,551	£3,800	£4,059	£4,343
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		£1,172	£1,366	£1,657
Maximum Water Temperature	°C	75	75	75
Water Volume	litres	150	210	300
Standing Heat Loss	kWh/day	1.45	1.91	2.52
Opening Temperature of T&P Relief Valve	°C	90	90	90
Opening Pressure of T&P Relief Valve	mPa - bar	1.0 - 10	1.0 - 10	1.0 - 10
Electric Heater	kW	2.75	2.75	2.75
Height - Diameter	mm	1090 - 550	1474 - 550	2040 - 550
Net Weight	kg	31	41	60
Suggested Power Supply	V-ph-Hz-A	220/240-1-50 16	220/240-1-50 16	220/240-1-50 16

ESTiA Accessories

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

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

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SHRMe - VRF Flow Selector Boxes - R410A	169 - 170

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		£3,503	£3,782	£4,268	£4,826	£5,189
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		£4,364	£4,946	£5,229	£6,481	£6,711
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		£7,517	£8,166	£9,446	£11,322	£12,327
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		£13,370	£14,291	£15,278	£16,786
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		£20,768	£22,644	£22,816	£23,737	£25,613
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

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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		£26,232	£28,108	£28,582	£30,156	£31,077
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		£32,064	£33,572	£37,554	£39,430	£39,904
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

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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
Unit 2	MMY-	MUP2001HT8P-E	MUP2001HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E	MUP2001HT8P-E
Unit 3	MMY-	MUP1201HT8P-E	MUP1401HT8P-E	MUP1201HT8P-E	MUP1401HT8P-E	MUP2001HT8P-E
System Retail Price		£40,523	£42,399	£43,018	£44,894	£45,368
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		£46,355	£47,863	£48,850	£50,358	£54,340
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

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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		£56,216	£56,690	£57,309	£59,185
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		£59,804	£61,680	£62,154	£63,141
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

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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
System Retail Price		£64,649	£65,636	£67,144	£71,126

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
System Retail Price		£73,002	£73,476	£74,095	£75,971
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

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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
System Retail Price		£76,590	£78,466	£78,940	£79,927

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
System Retail Price		£81,435	£82,422	£83,930
Rated Cooling Capacity	kW	324.0	329.5	335.0
Rated Heating Capacity	kW	324.0	329.5	335.0
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

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SHRMe - VRF 3-Pipe Heat Recovery Outdoor Unit

Outdoor unit	MMY-	MAP0806FT8P-UK	MAP1006FT8P-UK	MAP1206FT8P-UK	MAP1406FT8P-UK
Outdoor Unit Retail Price		£8,067	£8,753	£11,528	£12,092
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		£13,275	£14,187	£15,162
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		£20,281	£20,845	£23,620	£24,184
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

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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		£25,367	£26,279	£27,462	£28,374
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		£29,349	£30,324	£36,276
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

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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		£16,134	£16,820	£17,506	£24,201	£24,887

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		£25,573	£26,259	£34,584	£35,303
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		£767	£851	£1,334	£1,152	£1,278	£2,002
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**

Multi Flow Selector Unit	RBM-	Y1801F4PE	Y1801F6PE
Flow Selector Unit Retail Price		£2,891	£4,337
Height x Width x Depth	mm	215 x 1157 x 687	215 x 1477 x 687
Weight	kg	38	53
Number of Ports		4	6
Max. 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		£4,805	£5,450	£5,870
Rated Cooling Capacity	kW	12.1	14.0	15.5
Rated Heating Capacity	kW	12.1	14.0	15.5
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		£8,377	£9,106	£12,056	£12,655	£13,950
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		£14,919	£15,955	£17,064	£18,251
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		£1,111	£1,233	£1,932
Height x Width x Depth	mm	206 x 385 x 282	206 x 385 x 282	200 x 640 x 200
Weight	kg	11	11	11
Max. 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



VRF Indoor Units - Flow Selector Boxes

Multi Flow Selector Unit	RBM-	Y1801FU4PE	Y1801FU8PE	Y1801FU12PE
Flow Selector Unit Retail Price		£2,891	£4,337	£6,505
Height x Width x Depth	mm	293 x 338 x 468	293 x 578 x 468	293 x 818 x 468
Weight	kg	22	36	50
Number of Ports		4	8	12
Max. 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		£860	£948	£1,112	£1,170	£1,233
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**

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		£1,161	£1,177	£1,189	£1,209	£1,358	£1,380
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)		£1,621	£1,747	£1,913	£1,999	£2,055
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)		£2,088	£2,149	£2,210	£2,321	£2,477
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-	UP0051MHP-E	UP0071MHP-E	UP0091MHP-E	UP0121MHP-E	UP0151MHP-E	UP0181MHP-E
Facia Panel (White)	RBC-	UM21P-E	UM21P-E	UM21P-E	UM21P-E	UM21P-E	UM21P-E
Indoor Unit Retail Price (Inc. Facia Panel)		£1,290	£1,316	£1,394	£1,443	£1,504	£1,583
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)	31-28-26	32-29-26	33-30-26	33-30-27	37-33-29	43-38-33
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

*P - Unit production moved to TCTC

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)		£1,203	£1,231	£1,285	£1,311	£1,358
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)		£1,565	£1,688	£1,769	£1,838	£2,039
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

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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)		£1,710	£1,756	£1,798	£1,856	£2,112	£2,214
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)		£2,479	£2,498	£2,974	£3,212	£3,477
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)		£1,517	£1,553	£1,590	£1,628	£1,668
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)		£1,824	£2,029	£2,133	£2,204
Rated Cooling Capacity	kW	4.5	5.6	7.1	8.0
Rated Heating Capacity	kW	5.0	6.3	8.0	9.0
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		£1,448	£1,601	£1,696	£1,711	£1,737	£1,767	£1,891
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		£837	£841	£852	£869	£893
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		£908	£954	£1,030	£1,112
Rated Cooling Capacity	kW	4.5	5.6	7.1	8.0
Rated Heating Capacity	kW	5.0	6.3	8.0	9.0
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

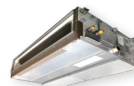
Indoor unit*	MMD-	UP0051BHP-E	UP0071BHP-E	UP0091BHP-E	UP0121BHP-E	UP0151BHP-E	UP0181BHP-E
Indoor Unit Retail Price		£937	£958	£986	£1,012	£1,042	£1,111
Rated Cooling Capacity	kW	1.7	2.2	2.8	3.6	4.5	5.6
Rated Heating Capacity	kW	1.9	2.5	3.2	4.0	5.0	6.3
Sound pressure level (H/M/L)	dB(A)	29-26-23	29-26-23	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 - £768) 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		£1,161	£1,288	£1,374	£1,576	£1,687	£1,791
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 - £768) 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		£1,418	£1,563	£1,630	£1,709
Rated Cooling Capacity	kW	5.6	7.1	8.0	11.2
Rated Heating Capacity	kW	6.3	8.0	9.0	12.5
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		£1,892	£2,023	£3,414	£3,607
Rated Cooling Capacity	kW	14.0	16.0	22.4	28.0
Rated Heating Capacity	kW	16.0	18.0	25.0	31.5
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	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		£1,150	£1,179	£1,213	£1,269	£1,350	£1,404
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		£1,377	£1,411	£1,446	£1,519	£1,613	£1,682
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		£1,364	£1,470	£1,575	£1,681	£1,746
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 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		£1,961	£2,081	£2,172	£2,235	£2,303	£2,418	£2,538
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		£2,550	£4,222	£4,461	£4,773	£5,108
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		£3,463	£3,551	£7,628
Rated Cooling Capacity	kW	8.0	16.0	14.0
Rated Heating Capacity	kW	25.0	27.0	44.0
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
Outdoor Unit Retail Price (Inc. EEV)		£209	£209
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
Control Panel	RBC-	DXC031	DXC031
Control Panel Retail Price		£916	£916
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8
Suggested Power 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
Cooling	kW	22.4	28.0
Heating	kW	25.0	31.5
Air Volume Min - Max	m3/h	3010 - 5160	3500 - 6000
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	6.5	6.5
Suction Superheat (Target)	K	5	5

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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*		£721	£721	£721	£721	£721
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	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		£338	£338	£338	£338	£338
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		£1,059	£1,059	£1,059	£1,059	£1,059

* Control Panel retail price includes controller



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

System Capacity Or Combination Capacity	HP	4	5	6	8	10
Control Panel	MM-	DXC010	DXC010	DXC010	DXC010	DXC010
DXC010 Control Panel Retail Price*		£721	£721	£721	£721	£721
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	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		£338	£338	£338	£338	£338
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		£1,059	£1,059	£1,059	£1,059	£1,059

* Control Panel retail price includes controller

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

Interface/Valve Retail Price		£1,104	£1,104	£1,104	£1,104	£1,104
Dx-coil controller(s)	TCB-IFDMX01UP-E	£646	£646	£646	£646	£646
Dx-Valve kit(s)		£458	£458	£458	£458	£458
Interface/Valve Retail Price		£1,378	£1,378	£1,378	£1,378	£1,378
Dx-coil controller	TCB-IFDMR01UP-E	£920	£920	£920	£920	£920
Dx-Valve kit(s)		£458	£458	£458	£458	£458
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
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
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)

Interface/Valve Retail Price		£2,208	£1,104	£2,208	£1,104	£2,208
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,292	£646	£1,292	£646	£1,292
Dx-Valve kit(s)		£916	£458	£916	£458	£916
Interface/Valve Retail Price		£2,756	£1,378	£2,756	£1,378	£2,756
Dx-coil controller	TCB-IFDMR01UP-E	£1,840	£920	£1,840	£920	£1,840
Dx-Valve kit(s)		£916	£458	£916	£458	£916
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
Rated Cooling Capacity	kW	44.8	50.4	50.4	56.0	56.0
Rated Heating Capacity	kW	44.8	50.4	50.4	56.0	56.0
Air Volume	m ³ /hr	5760 - 8640	6240 - 9360	6240 - 9360	6720 - 10080	6720 - 10080
HEX Coil Volume (min-max) / Diameter	cm ³ /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 Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£2,208	£1,562	£2,208	£3,312	£3,312
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,292	£646	£1,292	£1,938	£1,938
Dx-Valve kit(s)		£916	£916	£916	£1,374	£1,374
Interface/Valve Retail Price		£2,756	£1,836	£2,756	£4,134	£4,134
Dx-coil controller	TCB-IFDMR01UP-E	£1,840	£920	£1,840	£2,760	£2,760
Dx-Valve kit(s)		£916	£916	£916	£1,374	£1,374
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)

Interface/Valve Retail Price		£1,562	£2,208	£3,312	£3,312	£1,562
Dx-coil controller(s)	TCB-IFDMX01UP-E	£646	£1,292	£1,938	£1,938	£646
Dx-Valve kit(s)		£916	£916	£1,374	£1,374	£916
Interface/Valve Retail Price		£1,836	£2,756	£4,134	£4,134	£1,836
Dx-coil controller	TCB-IFDMR01UP-E	£920	£1,840	£2,760	£2,760	£920
Dx-Valve kit(s)		£916	£916	£1,374	£1,374	£916
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
Rated Cooling Capacity	kW	80.0	80.0	72.8	84.0	90.0
Rated Heating Capacity	kW	80.0	80.0	72.8	84.0	90.0
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

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

Interface/Valve Retail Price		£2,208	£2,208	£1,562	£2,208	£2,208
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,292	£1,292	£646	£1,292	£1,292
Dx-Valve kit(s)		£916	£916	£916	£916	£916
Interface/Valve Retail Price		£2,756	£2,756	£1,836	£2,756	£2,756
Dx-coil controller	TCB-IFDMR01UP-E	£1,840	£1,840	£920	£1,840	£1,840
Dx-Valve kit(s)		£916	£916	£916	£916	£916
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
Rated Cooling Capacity	kW	90.0	95.4	100.8	100.8	106.4
Rated Heating Capacity	kW	90.0	95.4	100.8	100.8	106.4
Air Volume	m ³ /hr	11520 - 17280	11670 - 17610	12480 - 18720	12480 - 18720	13030 - 19650
HEX Coil Volume (min-max) / Diameter	cm ³ /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)

Interface/Valve Retail Price		£1,562	£2,208	£3,312	£3,312	£3,312
Dx-coil controller(s)	TCB-IFDMX01UP-E	£646	£1,292	£1,938	£1,938	£1,938
Dx-Valve kit(s)		£916	£916	£1,374	£1,374	£1,374
Interface/Valve Retail Price		£1,836	£2,756	£4,134	£4,134	£4,134
Dx-coil controller	TCB-IFDMR01UP-E	£920	£1,840	£2,760	£2,760	£2,760
Dx-Valve kit(s)		£916	£916	£1,374	£1,374	£1,374
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
Rated Cooling Capacity	kW	112.0	112.0	120.0	125.0	130.0
Rated Heating Capacity	kW	112.0	112.0	120.0	125.0	130.0
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 Air Handling Unit Application Single & Multi-Circuit DX Coils (Continued)

Interface/Valve Retail Price		£3,124	£3,312	£3,312	£3,312	£3,312
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,292	£1,938	£1,938	£1,938	£1,938
Dx-Valve kit(s)		£1,832	£1,374	£1,374	£1,374	£1,374
Interface/Valve Retail Price		£3,672	£4,134	£4,134	£4,134	£4,134
Dx-coil controller	TCB-IFDMR01UP-E	£1,840	£2,760	£2,760	£2,760	£2,760
Dx-Valve kit(s)		£1,832	£1,374	£1,374	£1,374	£1,374
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
Rated Cooling Capacity	kW	134.0	135.0	140.4	145.8	151.2
Rated Heating Capacity	kW	134.0	135.0	140.4	145.8	151.2
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		£3,124	£3,312	£4,416	£3,312	£3,312
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,292	£1,938	£2,584	£1,938	£1,938
Dx-Valve kit(s)		£1,832	£1,374	£1,832	£1,374	£1,374
Interface/Valve Retail Price		£3,672	£4,134	£5,512	£4,134	£4,134
Dx-coil controller	TCB-IFDMR01UP-E	£1,840	£2,760	£3,680	£2,760	£2,760
Dx-Valve kit(s)		£1,832	£1,374	£1,832	£1,374	£1,374
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
Rated Cooling Capacity	kW	160.0	156.8	160.0	162.4	168.0
Rated Heating Capacity	kW	160.0	156.8	160.0	162.4	168.0
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

TOSHIBA

VRF



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

Interface/Valve Retail Price		£4,416	£3,124	£4,416	£4,416	£4,416
Dx-coil controller(s)	TCB-IFDMX01UP-E	£2,584	£1,292	£2,584	£2,584	£2,584
Dx-Valve kit(s)		£1,832	£1,832	£1,832	£1,832	£1,832
Interface/Valve Retail Price		£5,512	£3,672	£5,512	£5,512	£5,512
Dx-coil controller	TCB-IFDMR01UP-E	£3,680	£1,840	£3,680	£3,680	£3,680
Dx-Valve kit(s)		£1,832	£1,832	£1,832	£1,832	£1,832
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
Rated Cooling Capacity	kW	175.0	180.0	180.0	185.4	190.8
Rated Heating Capacity	kW	175.0	180.0	180.0	185.4	190.8
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		£4,416	£3,124	£4,416	£4,416	£4,416
Dx-coil controller(s)	TCB-IFDMX01UP-E	£2,584	£1,292	£2,584	£2,584	£2,584
Dx-Valve kit(s)		£1,832	£1,832	£1,832	£1,832	£1,832
Interface/Valve Retail Price		£5,512	£3,672	£5,512	£5,512	£5,512
Dx-coil controller	TCB-IFDMR01UP-E	£3,680	£1,840	£3,680	£3,680	£3,680
Dx-Valve kit(s)		£1,832	£1,832	£1,832	£1,832	£1,832
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

TOSHIBA

VRF



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

Interface/Valve Retail Price		£4,416	£3,124	£4,416	£5,520	£4,686
Dx-coil controller(s)	TCB-IFDMX01UP-E	£2,584	£1,292	£2,584	£3,230	£1,938
Dx-Valve kit(s)		£1,832	£1,832	£1,832	£2,290	£2,748
Interface/Valve Retail Price		£5,512	£3,672	£5,512	£6,890	£5,508
Dx-coil controller	TCB-IFDMR01UP-E	£3,680	£1,840	£3,680	£4,600	£2,760
Dx-Valve kit(s)		£1,832	£1,832	£1,832	£2,290	£2,748
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
Rated Cooling Capacity	kW	218.4	224.0	224.0	230.4	240.0
Rated Heating Capacity	kW	218.4	224.0	224.0	230.4	240.0
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		£5,978	£6,624	£5,520	£5,520	£5,520
Dx-coil controller(s)	TCB-IFDMX01UP-E	£3,230	£3,876	£3,230	£3,230	£3,230
Dx-Valve kit(s)		£2,748	£2,748	£2,290	£2,290	£2,290
Interface/Valve Retail Price		£7,348	£8,268	£6,890	£6,890	£6,890
Dx-coil controller	TCB-IFDMR01UP-E	£4,600	£5,520	£4,600	£4,600	£4,600
Dx-Valve kit(s)		£2,748	£2,748	£2,290	£2,290	£2,290
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

TOSHIBA

VRF



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

Interface/Valve Retail Price		£5,520	£5,520	£4,686	£5,520	£6,624
Dx-coil controller(s)	TCB-IFDMX01UP-E	£3,230	£3,230	£1,938	£3,230	£3,876
Dx-Valve kit(s)		£2,290	£2,290	£2,748	£2,290	£2,748
Interface/Valve Retail Price		£6,890	£6,890	£5,508	£6,890	£8,268
Dx-coil controller	TCB-IFDMR01UP-E	£4,600	£4,600	£2,760	£4,600	£5,520
Dx-Valve kit(s)		£2,290	£2,290	£2,748	£2,290	£2,748
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
Rated Cooling Capacity	kW	257.6	263.2	270.0	268.8	270.0
Rated Heating Capacity	kW	257.6	263.2	270.0	268.8	270.0
Air Volume	m3/hr	31270 - 47170	31950 - 48190	32630 - 49210	32630 - 49210	32630 - 49210
HEX Coil Volume (min-max) / Diameter	cm3/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		£5,520	£5,520	£6,624	£6,624	£6,624
Dx-coil controller(s)	TCB-IFDMX01UP-E	£3,230	£3,230	£3,876	£3,876	£3,876
Dx-Valve kit(s)		£2,290	£2,290	£2,748	£2,748	£2,748
Interface/Valve Retail Price		£6,890	£6,890	£8,268	£8,268	£8,268
Dx-coil controller	TCB-IFDMR01UP-E	£4,600	£4,600	£5,520	£5,520	£5,520
Dx-Valve kit(s)		£2,290	£2,290	£2,748	£2,748	£2,748
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

TOSHIBA

VRF



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

Interface/Valve Retail Price		£4,686	£6,624	£6,624	£6,624	£6,624
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,938	£3,876	£3,876	£3,876	£3,876
Dx-Valve kit(s)		£2,748	£2,748	£2,748	£2,748	£2,748
Interface/Valve Retail Price		£5,508	£8,268	£8,268	£8,268	£8,268
Dx-coil controller	TCB-IFDMR01UP-E	£2,760	£5,520	£5,520	£5,520	£5,520
Dx-Valve kit(s)		£2,748	£2,748	£2,748	£2,748	£2,748
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
Rated Cooling Capacity	kW	302.4	302.4	308.0	313.6	319.2
Rated Heating Capacity	kW	302.4	302.4	308.0	313.6	319.2
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		£6,624	£6,624	£4,686	£6,624
Dx-coil controller(s)	TCB-IFDMX01UP-E	£3,876	£3,876	£1,938	£3,876
Dx-Valve kit(s)		£2,748	£2,748	£2,748	£2,748
Interface/Valve Retail Price		£8,268	£8,268	£5,508	£8,268
Dx-coil controller	TCB-IFDMR01UP-E	£5,520	£5,520	£2,760	£5,520
Dx-Valve kit(s)		£2,748	£2,748	£2,748	£2,748
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

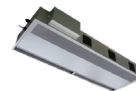
TOSHIBA**VRF****VRF Air Curtains - Free Hanging Unit**

Free-Hanging Type	RAV-	CT101CH-M	CT101CH-L	CT151CH-M	CT151CH-L	CT201CH-M
Indoor Unit Retail Price		£6,126	£6,908	£7,742	£8,140	£8,870
VRF System Interface (factory-fitted)		MMD-ODH1	MMD-ODH1	MMD-ODH1	MMD-ODH1	MMD-ODH1
Interface Retail Price		£1,077	£1,077	£1,077	£1,077	£1,077
Indoor/Interface Retail Price		£7,203	£7,985	£8,819	£9,217	£9,947
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	m ³ /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

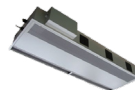


VRF Air Curtains - Free Hanging Unit (Continued)

Free-Hanging Type	RAV-	CT201CH-L	CT251CH-M	CT251CH-L
Indoor Unit Retail Price		£10,070	£10,081	£10,549
VRF System Interface (factory-fitted)		MMD-ODH1	MMD-ODH1	MMD-ODH1
Interface Retail Price		£1,077	£1,077	£1,077
Indoor/Interface Retail Price		£11,147	£11,158	£11,626
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 ³ /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**

Cassette Type	RAV-	CT101UH-M	CT101UH-L	CT151UH-M	CT151UH-L
Indoor Unit Retail Price		£6,413	£7,360	£7,805	£8,380
VRF System Interface (factory-fitted)		MMD-ODH1	MMD-ODH1	MMD-ODH1	MMD-ODH1
Interface Retail Price		£1,077	£1,077	£1,077	£1,077
Indoor/Interface Retail Price		£7,490	£8,437	£8,882	£9,457
Capacity Code	HP	3	3	4	4
Capacity - COP	kW	8 - 2.63	8 - 2.77	11.2 - 2.56	11.2 - 2.93
Standard Air Flow	l/s	444	614	667	819
Standard Air Flow	m ³ /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		£8,998	£10,149	£10,155	£11,238
VRF System Interface (factory-fitted)		MMD-ODH1	MMD-ODH1	MMD-ODH1	MMD-ODH1
Interface Retail Price		£1,077	£1,077	£1,077	£1,077
Indoor/Interface Retail Price		£10,075	£11,226	£11,232	£12,315
Capacity Code	HP	5	5	6	6
Capacity - COP	kW	14 - 2.75	14 - 3.20	16 - 3.27	16 - 3.81
Standard Air Flow	l/s	889	1228	1111	1433
Standard Air Flow	m ³ /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

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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		£7,142	£7,198	£8,594	£8,989	£9,367
VRF System Interface (factory-fitted)		MMD-ODH1	MMD-ODH1	MMD-ODH1	MMD-ODH1	MMD-ODH1
Interface Retail Price		£1,077	£1,077	£1,077	£1,077	£1,077
Indoor/Interface Retail Price		£8,219	£8,275	£9,671	£10,066	£10,444
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		£10,268	£10,604	£11,587
VRF System Interface (factory-fitted)		MMD-ODH1	MMD-ODH1	MMD-ODH1
Interface Retail Price		£1,077	£1,077	£1,077
Indoor/Interface Retail Price		£11,345	£11,681	£12,664
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**

VRF Accessories	Product Range	Model	Description	Price
			Wireless Controller	
Wireless Controller	VRF	RBC-AX41U(W)-E	Wireless Remote Controller	£191
			Wireless Controller/Receiver Kits	
Wireless Controller/ Receiver Kits	VRF	RBC-AX32UW(W)-E	Wireless Remote Controller Kit - 2 Way Cassette	£219
		RBC-AX41U(W)-E	Wireless Receiver Kit for 4-Way Cassette	£191
		RBC-AX33UYP-E	Wireless Receiver Kit for 1-Way Cassette	£57
		RBC-AXU31C-E	Wireless Remote Controller Kit - Ceiling	£246
		RBC-AXU31-E	Wireless Remote Controller Kit - Others (Exclude High Static Ducted)	£317
		RBC-AXU31U-E	Wireless Receiver Kit for 4-Way Cassette	£225
		RBC-AXU31UM-E	Wireless Receiver Kit for Compact Cassette	£145
		RBC-AXU31UW-E	Wireless Receiver Kit for 2-Way Cassette	£265
		RBC-AXU31UMP-E	Wireless Remote Controller Kit for compact 4way White	£132
		RBC-AXU31UMPB-E	Wireless Remote Controller Kit for compact 4-way Black	£144
		RBC-AXU33UP-E	Wireless Receiver Kit for 4-Way Cassette (Compatible with MMU-UP_1HP-E & RAV-HM_1UTP-E)	£158
		RBC-AXU41U-E	Wireless Receiver Kit for 4-Way Cassette	£225
		RBC-AXU33UPB-E	Wireless Remote Controller kit (IR receiver + handset), Black color	£173

VRF Accessories (Continued)

VRF Accessories	Product Range	Model	Description	Price
Controller Wired				
Controller Wired	VRF	RBC-AS41E	Simplified Remote Controller	£106
		RBC-ASCU11-E	Compact Remote Controller	£76
		RBC-AMT32E	Standard Remote Controller	£80
		RBC-AMTU31-E	Standard Remote Controller	£88
		RBC-AMS41E	Standard Remote Controller C/W 24/7 Schedule Timer	£97
		RBC-AMSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer	£156
		RBC-AWSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer + Bluetooth	£179
		RBC-MTSC1	Mini Touch Screen Controller	£290
		RBC-MTSC2	Mini Touch Screen Controller C/W Schedule Timer	£344
Central Controller Wired				
Central Controller Wired	VRF	BMS-CT1280E	Touch Screen Controller	£4,189
		BMS-CT2560U-E	256 Touch Screen Controller (Multi Language)	£4,638
		BMS-CT5121E	Touch Screen Controller	£5,733
		RBC-BP2	Black Pear BMS Controller	£4,573
		RBC-BPB1	Black Pear Controller For BACnet	£4,254
		RBC-BPM1	Black Pear Controller For Modbus	£4,254

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VRF

VRF Accessories (Continued)

VRF Accessories	Product Range	Model	Description	Price
Central Controller Wired (Continued)				
Central Controller Wired (Continued)	VRF	RBC-BPT1	Black Pear Controller For Trend	£4,254
		RBC-TBPTS	Toshiba "Smart Touch" Black Pear Touch Screen For 64 Indoor Units.	£3,500
		RBC-TBPTSBC	Smart Touch Back Box	£185
		TCB-SC640U-E	64 Central Remote Controller	£1,045
Control Panel				
Control Panel	VRF	RBC-AC1	Unit Auto Change Over With Temperature High Limit Stat (1 Run/1 Standby)	£1,808
		RBC-AC2	Unit Auto Change Over With Temperature High Limit Stat (2 Run/1 Standby)	£2,105
		RBC-AM1E	Remote Controller	£168
		RBC-EM1-PE	Energy Monitoring Kit	£1,345
Indoor Interface				
Indoor Interface	VRF	BMS-IFKX0TLR-E	KNX interface for LC-VRF	£526
		BMS-IFLSV4E	TCS-Net Relay Interface	£994
		BMS-IFMBOTLR-E	Modbus interface for LC-VRF	£440
		BMS-IFMB0UEW-E	MODBUS CONTROLLER FOR ESTIA R32	£496
		BMS-IFMB1280U-E	Modbus Interface	£1,980
		BMS-WB2561PWE	Web Server/Gateway Server Connection Of Up To 256 Indoor Units	£4,101

VRF Accessories (Continued)

VRF Accessories	Product Range	Model	Description	Price
Indoor Interface (Continued)				
Indoor Interface (Continued)	VRF	MMD-ODH1	VRF Air Curtain Accessory Kit	£1,077
		RBC-AVS2	Averaging Sensors	£196
		RBC-AVS3	Averaging Sensors	£217
		RBC-AVS4	Averaging Sensors	£231
		RBC-SMF1	Enables Control Of External Fans	£65
		RBC-SMIM2	Indicator Module For Unit In Heating Mode, Cooling Mode Or Fan	£96
		RBC-SMIM3	Indicator Module For Stopping Fault And Unit Run	£91
		RBC-SMIM4	Indicator Module For Stopping Fault And Unit Run	£101
		RBC-TO-RC-WIFI-1	IntesisHome Wi-Fi - Toshiba LC and VRF	£318
		RBC-TS11	Monitoring & Control Interface For VRF & DI/SDI	£332
		RBC-TXIO	Input/Output Interface For Third Party Equipment	£405
		RB-I301-E	Leak Detection Sensor Kit	£197
		TCB-ADCN510UP-E	4-Way Cassette Facia Panel Adapter	£47
		TCB-IFCB5-PE	Window Switch & Remote ON/OFF	£32
		TCB-PSMT1E	Multi-tenant Kit for VRF Systems	£294
TCB-PX100-PE	Enclosure For The Window Switch Remote ON/OFF	£23		

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VRF

VRF Accessories (Continued)

VRF Accessories	Product Range	Model	Description	Price
			Indoor Interface Lead	
Indoor Interface Lead	VRF	RBC-TAEX1	Extension Sensor TA	£42
		RBC-CBK15FE	15m Long Extension Cable Including	£109
		RBC-CN61CIMC	CN61 5 M Lead	£30
		RBC-FSEX15	15M Extension Cable For FS	£131
		RBC-IT4-PE	Timer For DI/SDI	£156
		RBC-SMCN61	Interface Lead For ON/OFF And Unit Remote Controller Lock	£12
		RBC-SMCN61L	Interface Lead For Remote Controller Lock	£12
		RBC-SMT1	Timer Interface Lead	£12
		TCB-KBCN32VEE	Connector For CN 32	£201
		TCB-KBCN60OPE	Connector For CN 60	£394
		TCB-KBCN61HAE	Connector For CN 61	£400
		TCB-KBCN70OAE	Connector For CN 70	£196
		TCB-KBCN73DEE	Connector For CN 73	£198
		TCB-KBCN80EXE	Connector For CN 80	£204
			Interface	
Interface	VRF	BMS-IFDD03E	Digital I/O Relay Interface	£688
		BMS-IFWH5E	Energy Monitoring Relay Interface	£650
		RBC-DI1-PE	Digital Input/Output Module (DI160)	£410
		RBC-IT2-PE	Timer Interface For R407C Equipment	£146

VRF Accessories (Continued)

VRF Accessories	Product Range	Model	Description	Price
Interface (Continued)				
Interface (Continued)	VRF	TCB-DK01SS-E	Dyna Doctor Hardware	£2,145
		TCB-IFCB640TLE	Analog Interface	£2,127
		TCB-IFCG1TLE	General Purpose Interface	£2,127
		TCB-IFLN642TLE	LonWorks Gateway,	£1,626
		TCB-PCUC2E	Application Control Kit	£153
		TCB-PX40MUME	Control Box Enclosure For Interface PCB's	£87
Occupancy Sensor				
Occupancy Sensor	VRF	TCB-SIR33UP-E	Occupancy Sensor Kit (Compatible with MMU-UP_1HP-E & RAV-HM_1UTP-E)	£90
		TCB-SIR41U-E	Occupancy Sensor (Smart Cassettes)	£104
		TCB-SIR41UM-E	Occupancy Sensor (New 7 Series Compact Cassettes)	£104
		TCB-SIR41UYP-E	Occupancy Sensor (1-Way cassette)	£90
Remote Sensor				
Remote Sensor	VRF	TCB-TC41U-E	Remote Sensor	£95
Air DisCharge, Filtration & Inlet				
Air DisCharge, Filtration & Inlet	VRF	RBC-VCK1	Ducted Vertical Conversion Kit	£668
		RBM-FGUS1P-E	Fin Guard Option Kit (08~14HP)	£225
		RBM-FGUM1P-E	Fin Guard Option Kit (16~24HP)	£250

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VRF

VRF Accessories (Continued)

VRF Accessories	Product Range	Model	Description	Price
Air DisCharge, Filtration & Inlet (Continued)				
Air DisCharge, Filtration & Inlet (Continued)	VRF	TCB-BC1602UE	4 Way Cassette Air DisCharge Direction Kit (Suit 31PG)	£83
		TCB-FF101URE2	Fresh Air Connection Spigot Kit (New 7 Series Compact Cassettes)	£58
		TCB-FF151US-E	Auxiliary Fresh Air Flange	£70
		TCB-SF160C6BPE	DisCharge spigots for LC/VRF Ducted 4.0-6.0 HP	£217
		TCB-SF56C6BPE	DisCharge spigots for LC/VRF Ducted 1.5-2.0 HP	£144
		TCB-SF80C6BPE	DisCharge spigots for LC/VRF Ducted 3.0 HP	£170
		TCB-TDL0141SDY-E	3D Diffusor Slim Ducted	£155
		TCB-TDL0181SDY-E	3D Diffusor Slim Ducted	£174
		TCB-TDL0271SDY-E	3D Diffusor Slim Ducted	£200
		TCB-EAPC1UHP-E	Air Purifier Kit 4-Way Cassette (Heating RC + PURE Button)	£1,094
		TCB-EAPC1UYHP-E	Air Purifier Kit 1-Way Cassette	£219
		TCB-FC0481DF-E	Filter Chamber (48)	£571
		TCB-FC1281DF-E	Filter Chamber (72-128)	£958
		TCB-FC1403UW-E	Filter Chamber (*0362-0562)	£809
		TCB-FC283UW-E	Filter Chamber (*0072-0152)	£482
		TCB-FC803UW-E	Filter Chamber (*0182-0302)	£690
TCB-GB1601UE2	Fresh-Air Inlet Box	£79		

VRF Accessories (Continued)

VRF Accessories	Product Range	Model	Description	Price
Air DisCharge, Filtration & Inlet (Continued)				
Air DisCharge, Filtration & Inlet (Continued)	VRF	TCB-GB1602UE	Fresh Air Inlet Box	£83
		TCB-GB1602UE2	Fresh Air Inlet Box	£69
		TCB-GFC1601UE2	Fresh-Air & Filter Chamber	£365
		TCB-GFC1602UE2	Fresh Air & Filter Chamber	£181
		TCB-LF1403UW-E	Super Long Life Pre-Filter (*0362-0562)	£601
		TCB-LF283UW-E	Super Long Life Pre-Filter (*0072-0152)	£343
		TCB-LF803UW-E	Super Long Life Pre-Filter (*0182-0302)	£561
		TCB-LK1401D-E	Long Life Filter Kit For MMD-*036_056#HP-E	£94
		TCB-LK2801DP-E	Long Life Filter Kit For MMD-*072_096#HP-E	£144
		TCB-LK801D-E	Long Life Filter Kit For MMD-*018_027#HP-E	£73
		TCB-PLFC1UPE-120	PM2.5 After Pre-filter 4-Way Cassette	£1,635
		TCB-PLFC2UPE-80	PM2.5 Before Pre-filter 4-Way Cassette	£2,078
		TCB-UFH0481D-E	High Efficiency Filter 90% (48)	£566
		TCB-UFH1281D-E	High Efficiency Filter 90% (72-128)	£808
		TCB-UFM0481D-E	High Efficiency Filter 65% (48)	£563
		TCB-UFM1281D-E	High Efficiency Filter 65% (72-128)	£759
		TCB-SP1602UE	4-Way Cassette Spacer Height Adjustment For RBC-U31PGP(W)-E	£220

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

VRF Accessories	Product Range	Model	Description	Price
			Pulse Modulating Valve Kit	
Pulse Modulating Valve Kit	VRF	RBM-PMV0361U-E	VRF 2-Pipe Valve Kit (models 3~12)	£237
		RBM-PMV0901U-E	VRF 2-Pipe Valve Kit (models 15~24)	£273
			R32 Leak Detection	
R32 Leak Detection	VRF	RBM-SV1121HUPE	Shut-off Valve Box Below 11.2kW	£794
		RBM-SV1801HUPE	Shut-off Valve Box 11.2 to Below 18.0kW	£890
		RBM-SV6701HUPE	Shut-off Valve Box 18.0 to 67.0kW or less	£1,588
		TCB-BT1UPE	Battery Kit for Shut-off Valve and Flow Selector Box	£271
		TCB-LD1UPE	Leak Detector for SHRM-a	£286
		RBC-VRFR32AK	EN378 Indoor Unit Interface Kit	£113
		RBC-VRFR32CN80	EN378 FS Box Interface Kit	£288

VRF Accessories (Continued)

VRF Accessories	Product Range	Model	Description	Price
R410A Leak Detection				
R410a Leak Detection	VRF	RBC-RCS1	Room Leak Detection Concentration Sensor With White Faceplate	£488
		RBC-RCS2	Room Leak Detection Concentration Sensor With Stainless Steel Faceplate	£505
		RBC-RD3-PE	Refrigerant - Additional Charge Leak Detector (Indoor Unit)	£521
		RBC-RD6-PE	Refrigerant - Additional Charge Leak Detector (Outdoor Unit)	£7,334
		RBC-RI1	Room Indicator For Use With RBC-RP1 (Legrand Graphite) Currently Grey	£94
		RBC-LDCIMC	Leak Detection 15M Lead	£58
		RBC-RP1	Repeater Panel C/W Battery Back Up	£1,683
		RBC-TSRP1	Repeater Panel (for use with RBC-TBPTS)	£786
		TCB-AW17861	Leak Detection, Isolation Valve (12.0 mm - 1/2")	£354
		TCB-AW17862	Leak Detection, Isolation Valve (15.9 mm - 5/8")	£354
		TCB-AW17863	Leak Detection, Isolation Valve (19.0 mm - 3/4")	£385
		TCB-AW17864	Leak Detection, Isolation Valve (22.2mm - 7/8")	£421
		TCB-AW17865	Leak Detection, Isolation Valve (28.6mm - 1,1/8")	£580
		TCB-AW17866	Leak Detection, Isolation Valve (34.9mm - 1,3/8")	£609
		TCB-AW17867	Leak Detection, Isolation Valve (41.3mm - 1,5/8")	£631
		TCB-LD12V	Room Leak Detection Transformer 12v & Cable Kit (use with TCB-LDS1 & TCB-LDS2)	£203
		TCB-LD2	Leak Detection For SMMSe/SHRMe (No Valves)	£1,712
		TCB-LD2UK	Leak Detection For SMMSe/SHRMe (No Valves)	£2,218

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

VRF Accessories	Product Range	Model	Description	Price
R410A Leak Detection (Continued)				
R410a Leak Detection (Continued)	VRF	TCB-LDS1	Room Leak Detection Concentration Sensor With White Faceplate (requires Remote 12v Transformer)	£488
		TCB-LDS1BLK	Room Leak Detection Concentration Sensor With Black Faceplate (requires Remote 12v Transformer)	£439
		TCB-LDS2	Room Leak Detection Concentration Sensor With Stainless Steel Faceplate (requires Remote 12v Transformer)	£505
		RBC-TQ31	Room Leak Detector (With CN80 Cable)	£414
		RBC-TQ32-32	Area Alarm Panel - 32 Channels	£2,334
		RBC-TQ32-64	Area Alarm Panel - 64 Channels	£2,651
		RBC-TQ35	Central Alarm Panel (Combine upto 16 Area alarm panels)	£2,016
Outdoor Interface				
Outdoor Interface	VRF	TCB-IFCB-4E2	Remote Location ON/OFF Control Box	£339
		TCB-IFDES1001P-E	Optional sensor (10m lead wire) for new VRF DX-Kit Interface	£120
		TCB-PCDM4E	Power Peak-Cut Control Board (SMMS/SHRM)	£121
		TCB-PCIN4E	Error Output Control Board (SMMS/SHRM)	£132
		TCB-PCMO4E	External Input PCB	£93
		TCB-SS1UU-E	Link Adapter with 8GB MicroSD Card	£2,516
Header Joints				
Header Joints	VRF	RBM-HY1043E	4 Way Header 2 Pipe < 14.2	£202
		RBM-HY1083E	8 Way Header 2 Pipe < 14.2	£345
		RBM-HY2043E	4 Way Header 2 Pipe < 14.2-25.2hp	£222
		RBM-HY2083E	8 Way Header 2 Pipe < 14.2-25.2hp	£378

VRF Accessories (Continued)

VRF Accessories	Product Range	Model	Description	Price
Header Joints (Continued)				
Header Joints (Continued)	VRF	RBM-HY1043FE	4 Way Header 3 Pipe < 14.2	£265
		RBM-HY1083FE	8 Way Header 3 Pipe < 14.2	£423
		RBM-HY2043FE	4 Way Header 3 Pipe < 14.2-25.2hp	£347
		RBM-HY2083FE	8 Way Header 3 Pipe < 14.2-25.2hp	£430
Branch Joints				
Branch Joints	VRF	RBM-BT14E	Y-Connector <26HP (SMMS)	£195
		RBM-BT24E	Y-Connector >26HP (SMMS)	£230
		RBM-BT34E	Y-Connector >46hp	£322
		RBM-BY105E	Y Joint 2 Pipe < 6.4-14.2hp	£81
		RBM-BY205E	Y Joint 2 Pipe < 14.2-25.2hp	£138
		RBM-BY305E	Y Joint 2 Pipe 25.2hp	£213
		RBM-BY405E	Y Joint 2 Pipe 61.2hp	£285
		RBM-BY55E	Y Joint 2 Pipe < 6.4hp	£72
		RBM-BT14FE	Y-Connector <26HP (SHRM)	£176
		RBM-BT24FE	Y-Connector >26HP (SHRM)	£268
		RBM-BY105FE	Y Joint 3 Pipe < 6.4-14.2hp	£129
		RBM-BY205FE	Y Joint 3 Pipe < 14.2-25.2hp	£212
		RBM-BY305FE	Y Joint 3 Pipe 25.2hp	£314
		RBM-BY55FE	Y Joint 3 Pipe < 6.4hp	£100

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

VRF Accessories	Product Range	Model	Description	Price
Condensate				
Condensate	VRF	TCB-DP22CE2	Drain Up Kits For DI Ceiling FCU	£278
		TCB-DP31CE	Drain Pump For DI Ceiling	£304
		TCB-DP31HEXE	Drain Pump Kit	£753
		TCB-DP40DFP-E	Drain Pump Kit (Lift up to 330 mm)	£444
		TCB-DP40DPE	Drain Pump Kit (MMD-*0726 To 0966HP-E)	£444
		TCB-KP14CPE	Ceiling Suspended Elbow Piping Kit (1.5-2.0hp)	£85
		TCB-KP22CE2	Elbow Piping Kit (*0241-0481)	£107
		TCB-KP24CPE	Ceiling Suspended Elbow Piping Kit (2.5-5.0hp)	£102
Anti-Corrosion Coating				
Anti-Corrosion Coating	VRF	CACC-VRF	VRF Module Unit Coil Anti-Corrosion Coating	£815
		CACC-VRF1	VRF Large Module Unit Coil Anti-Corrosion Coatings	£1,119
		CACC-VRF2	VRF Extra-Large Module Unit Anti-Corrosion Coatings	£1,323
Painted Finish				
Painted Finish	VRF	Painted-Ducted	Painted Ducted Unit Chassis	£490
		Painted-Ducted	Painted Ducted Unit Chassis	£559
		Painted-Ducted	Painted Ducted Unit Chassis	£630
		Painted-High Wall	Painted High Wall Unit Facia	£333
		PAINT-U21FP	Painted Compact Cassette Facia Panel	£317
		PAINT-U31FP	Painted 4-Way Cassette Facia Panel	£317

VRF Accessories (Continued)

VRF Accessories	Product Range	Model	Description	Price
Split Case/Sections				
Split Case/Sections	VRF	TTS-VRFSD-ML	VRF Strip Down On UK Mainland	£4,712
		TTS-VRFSD-MLF	Full VRF Strip Down On UK Mainland	£7,497
		TTS-VRFSD-OS	VRF Strip Down On Non-UK Mainland	£6,267
		TTS-VRFSD-OSF	Full VRF Strip Down On Non-UK Mainland	£8,857
Site Services				
Site Services	VRF	TTS-VRFSCA	Toshiba VRF System Commissioning Assistance	£680

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Air - to - Air Heat Exchangers

Air-to-Air Heat Exchanger Standard Version (VN-U Series) - 150-1000m³	243 - 244
Air-to-Air Heat Exchanger Standard Version (VN-M Series) - 1500-2000m³	245
Air-to-Air Heat Exchanger + DX Coil	246
Air-to-Air Heat Exchanger + DX Coil + Humidifier	247
VN Accessories	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		£1,353	£1,386	£1,593	£1,933
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)

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

Air-to-Air Heat Exchanger	VN-	U00651SY-E	U00801SY-E	U01001SY-E
Unit Retail Price		£2,151	£2,566	£2,795
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 ³ /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

Air-to-Air Heat Exchanger	VN-	M1500HE1	M2000HE1
Unit Retail Price		£6,090	£6,692
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		£4,934	£7,188	£8,210
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

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

Air-to-Air Heat Exchanger	MMD-	VNK502HEX1E	VNK802HEX1E	VNK1002HEX1E
Indoor Unit Retail Price		£5,568	£8,105	£9,268
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

A-2-A HEAT EXCHANGER + DX COIL **247** >>>

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VN Accessories

VN Accessories	Product Range	Model	Description	Price
Controller Wired				
Controller Wired	VN	RBC-AMSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer	£152
		NRC-01HE	Remote Controller	£120
Indoor Interface				
Indoor Interface	VN	NRB-1HE	Remote ON/OFF Adapter A2A Heat Exchanger	£120
Indoor Interface Lead				
Indoor Interface Lead	VN	RBC-VNL1	VN Unit Interface Lead	£63
Air Discharge, Filtration & Inlet				
Air Discharge, Filtration & Inlet	VN	TCB-PSFC551VSY-E	High Performance Filter (Epm1 55%) (For VN00151 / 00251SY-E)	£70
		TCB-PSFC551VMY-E	High Performance Filter (Epm1 55%) (For VN00351SY-E)	£80
		TCB-PSFC551VLY-E	High Performance Filter (Epm1 55%) (For VN00501 / 00651SY-E)	£109
		TCB-PSFC551VXY-E	High Performance Filter (Epm1 55%) (For VN00801 / 01001SY-E)	£131
Air to Air Heat Exchanger				
Air to Air Heat Exchanger	VN	TCB-SFMCA1V-E	Multi Function Sensor (CO2/PM)-(Compatible with all Model Sizes)	£632
		RBC-VNMC-HE1	Control For VN-U00151/01001SY-E - VN-M1500/2000HE1 Heater Kits	£365
		RBC-VNMC-PE	Control For VN-M150/1000HE-E Heater Kits	£478
		RBC-VNMH1-PE	100mm Heater Kit (For VN-U00151SY-E)	£422
		RBC-VNMH2-PE	150mm Heater Kit (For VN-U00251 / 351SY-E)	£433
		RBC-VNMH3-PE	200mm Heater Kit (For VN-U00501 / 650SY-E)	£488
		RBC-VNMH4-PE	250mm Heater Kit (For VN-U00801 / 01001SY-E)	£500

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VN Accessories (Continued)

VN Accessories	Product Range	Model	Description	Price
Air to Air Heat Exchanger (Continued)				
Air to Air Heat Exchanger (Continued)	VN	RBC-VNUWPH01	Weatherproof Housing for VN-U0015/VN-U00251/VN-U00351SY-E	£4,330
		RBC-VNUWPH02	Weatherproof Housing for VN-U0501/VN-U0651SY-E	£4,765
		RBC-VNUWPH03	Weatherproof Housing for VN-U0801/VN-U01001SY-E	£5,215
		RBC-VNWPH01	VN-M Weatherproof Housing For VN-M150/VN-M250/VN-M350HE	£2,969
		RBC-VNWPH02	VN-M Weatherproof Housing For VN-M500/VN-M650HE	£3,545
		RBC-VNWPH03	VN-M Weatherproof Housing For VN-M800/VN-M1000HE	£4,121
		RBC-VNWPH04	VN-M Weatherproof Housing For VN-M1500/VN-2000HE	£6,362

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