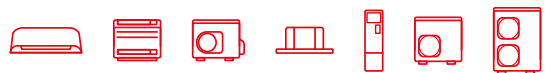


TOSHIBA

EXPERIENCE
THE FUTURE



Retail Price List 2026

Effective from 1st June 2026 - GBP Edition

TOSHIBA

Contents	Pages
RAS R32 Split/Multi Systems	3 - 21
RAV R32 Split systems (Inc. Twin, Triple, Quad)	22 - 150
USX Edge R32 High Capacity Heat Pump	151 - 152
VRF R410a Outdoor Units - MINI SMMS_e, SMMS_u, SHR_{Mu}	153 - 193
VRF R32 Outdoor Units - MINI SMMS, SHR_{Ma}	194 - 199
VRF Indoor Units	200 - 280
VN Air - to - Air Heat Exchanger	281 - 288
Contact Us	290

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

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

RESIDENTIAL AIR TO AIR

RAS Inverters	Pages
RAS High-Wall Inverter Split System - SEIYA	4 - 5
RAS High-Wall Inverter Split System - SHORAI Curve - Black	6 - 7
RAS High-Wall Inverter Split System - SHORAI Curve - White	8 - 9
RAS High-Wall Inverter Split System - HAORI	10
RAS High-Wall Inverter Split System - DAISEIKAI 10 - White	11
RAS High-Wall Inverter Split System - DAISEIKAI 10 - Wood	12
RAS Inverter Split System - Bi-Flow Console	13
RAS Multi-Split Inverter Outdoor Unit - G3	14 - 16
RAS Multi-Split Inverter Outdoor Unit - Combinations	17
RAS Multi-Split Indoor Unit - Cassette	18
RAS Multi-Split Indoor Unit - Ducted	19 - 20
RAS Accessories	21



TOSHIBA

SEIYA



RAS High-Wall Inverter Split System - SEIYA

Indoor Unit	RAS-	B05S4KVG-E	B07S4KVG-E	B10S4KVG-E	B13S4KVG-E
Indoor Unit Retail Price		£233	£244	£246	£253
Outdoor Unit	RAS-	05E2AVG-E	07E2AVG-E	10E2AVG-E	13E2AVG-E
Outdoor Unit Retail Price		£544	£573	£587	£672
System Retail Price*		£777	£817	£833	£925
Rated Cooling capacity	kW	1.5	2.0	2.5	3.3
Rated Heating capacity	kW	2.0	2.5	3.2	3.6
UK Cooling Total/Sensible	kW	1.47/1.22	1.95/1.57	2.44/1.93	3.22/2.49
UK Heating	kW	1.18	1.60	2.03	2.20
SEER - SCOP - Energy Label		6.90 - 4.60 - A++/A++	6.20 - 4.60 - A++/A++	7.00 - 4.60 - A++/A++	7.00 - 4.60 - A++/A++
Weight ID - OD	kg	9 - 21	9 - 21	9 - 22	9 - 22
Dimensions (H x W x D) - ID	mm	288 x 770 x 225	288 x 770 x 225	288 x 770 x 225	293 x 798 x 230
Dimensions (H x W x D) - OD	mm	530 x 660 x 240	530 x 660 x 240	530 x 660 x 240	530 x 660 x 240
Indoor Airflow (High - Low)	l/s	134 - 53	140 - 55	144 - 64	208 - 92
Outdoor Airflow (High)	m ³ /h - l/s	1690 - 470	1800 - 500	1800 - 500	1980 - 550
Sound pressure level - ID - OD**	dB(A)	37/19 - 48	38/19 - 49	39/20 - 49	42/20 - 49
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 10
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4
Min/Max Pipe Length - Height	m	2/15 - 12	2/15 - 12	2/15 - 12	2/15 - 12
Chargeless pipe length	m	15	15	15	15
Refrigerant - additional charge	Type/kg/g	R32/0.34/0	R32/0.34/0	R32/0.49/0	R32/0.54/0

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

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

*** Power to indoor or Outdoor



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

Indoor Unit	RAS-	B16S4KVG-E	B18S4KVG-E	B24S4KVG-E
Indoor Unit Retail Price		£256	£287	£324
Outdoor Unit	RAS-	16E2AVG-E	18E2AVG-E	24E2AVG-E
Outdoor Unit Retail Price		£969	£1,163	£1,398
System Retail Price*		£1,225	£1,450	£1,722
Rated Cooling capacity	kW	4.2	5.0	6.5
Rated Heating capacity	kW	5.0	5.4	7.0
UK Cooling Total/Sensible	kW	4.49/3.36	4.88/3.57	6.35/4.40
UK Heating	kW	3.33	3.34	4.31
SEER - SCOP - Energy Label		7.00 - 4.60 - A++/A++	7.00 - 4.40 - A++/A+	6.90 - 4.30 - A++/A+
Weight ID - OD	kg	9 - 30	9 - 34	15 - 38
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	293 x 798 x 230	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Indoor Airflow (High - Low)	l/s	212 - 92	233 - 133	298 - 183
Outdoor Airflow (High)	m ³ /h - l/s	2160 - 600	2160 - 600	2220 - 617
Sound pressure level - ID - OD**	dB(A)	43/22 - 51	48/26 - 51	48/29 - 54
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	1/2 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Height	m	2/20 - 12	2/20 - 12	2/20 - 12
Chargeless pipe length	m	15	15	15
Refrigerant - additional charge	Type/kg/g	R32/0.68/20	R32/0.93/20	R32/1.18/20

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

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

*** Power to indoor or Outdoor

TOSHIBA

SHORAI

Curve



RAS High-Wall Inverter Split System - SHORAI Curve Black

Indoor Unit (Black)	RAS-	B10P2KVSGB-E	B13P2KVSGB-E	B16P2KVSGB-E
Indoor Unit Retail Price	Black	£557	£602	£670
Outdoor Unit	RAS-	10P2AVSG-E	13P2AVSG-E	16P2AVSG-E
Outdoor Unit Retail Price	Black	£823	£1,021	£1,249
System Retail Price*		£1,380	£1,623	£1,919
Rated Cooling capacity	kW	2.5	3.5	4.6
Rated Heating capacity	kW	3.2	4.2	5.5
UK Cooling Total/Sensible	kW	3.42/2.74	4.49/3.56	4.88/3.57
UK Heating	kW	2.61	3.59	3.83
SEER - SCOP - Energy Label		8.60 - 5.10 - A+++/A+++	8.60 - 5.10 - A+++/A+++	7.80 - 4.60 - A++/A++
Weight ID - OD	kg	10 - 26	10 - 30	10 - 33
Dimensions (H x W x D) - ID	mm	293 x 800 x 226	293 x 800 x 226	293 x 800 x 226
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Indoor Airflow (High - Low)	l/s	183 - 86	203 - 95	211 - 100
Outdoor Airflow (High)	m ³ /h - l/s	1890 - 524	1950 - 540	2040 - 566
Sound pressure level - ID - OD**	dB(A)	40/19 - 46	43/19 - 48	44/22 - 50
Suggested Power & Fuse rating	V-ph-Hz & A	220~240-1-50 &	220~240-1-50 &	220~240-1-50 &
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Height	m	2/20 - 12	2/20 - 12	2/20 - 12
Chargeless pipe length	m	15	15	15
Refrigerant - additional charge	Type/kg/g	R32/0.55/20	R32/0.80/20	R32/0.80/20

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

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

*** Power to indoor or Outdoor



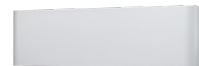
RAS High-Wall Inverter Split System - SHORAI Curve Black - (Continued)

Indoor Unit (Black)	RAS- Black	B18P2KVSGB-E	B22P2KVSGB-E	B24P2KVSGB-E
Indoor Unit Retail Price		£764	£800	£892
Outdoor Unit	RAS- Black	18P2AVSG-E	22P2AVSG-E	24P2AVSG-E
Outdoor Unit Retail Price		£1,383	£1,528	£1,769
System Retail Price*		£2,147	£2,328	£2,661
Rated Cooling capacity	kW	5.0	6.1	7.0
Rated Heating capacity	kW	6.0	7.0	8.0
UK Cooling Total/Sensible	kW	5.96/4.24	6.84/4.71	6.84/4.71
UK Heating	kW	3.98	5.27	5.27
SEER - SCOP - Energy Label		7.30 - 4.60 - A++/A++	7.30 - 4.60 - A++/A++	6.30 - 4.10 - A++/A+
Weight ID - OD	kg	14 - 32	14 - 33	15 - 36
Dimensions (H x W x D) - ID	mm	320 x 1076 x 248	320 x 1076 x 248	320 x 1076 x 248
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300
Indoor Airflow (High - Low)	l/s	272 - 164	289 - 178	311 - 200
Outdoor Airflow (High)	m ³ /h - l/s	2070 - 575	2180 - 606	2910 - 808
Sound pressure level - ID - OD**	dB(A)	44/26 - 49/43	46/27 - 50/43	47/28 - 52/43
Suggested Power & Fuse rating	V-ph-Hz & A	220~240-1-50 &	220~240-1-50 &	220~240-1-50 &
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2" - 1/4"	1/2" - 1/4"	1/2" - 1/4"
Min/Max Pipe Length - Height	m	2/20 - 12	2/20 - 12	2/25 - 15
Chargeless pipe length	m	15	15	15
Refrigerant - additional charge	Type/kg/g	R32/1.1/20	R32/1.1/20	R32/1.14/20

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

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

*** Power to indoor or Outdoor

TOSHIBASHORAI
Curve**RAS High-Wall Inverter Split System - SHORAI Curve White**

Indoor Unit (White)	RAS-	B10P2KVSG-E	B13P2KVSG-E	B16P2KVSG-E
Indoor Unit Retail Price	White	£494	£527	£582
Outdoor Unit	RAS-	10P2AVSG-E	13P2AVSG-E	16P2AVSG-E
Outdoor Unit Retail Price	White	£823	£1,021	£1,249
System Retail Price*		£1,317	£1,548	£1,831
Rated Cooling capacity	kW	2.5	3.5	4.6
Rated Heating capacity	kW	3.2	4.2	5.5
UK Cooling Total/Sensible	kW	3.42/2.74	4.49/3.56	4.88/3.57
UK Heating	kW	2.61	3.59	3.83
SEER - SCOP - Energy Label		8.60 - 5.10 - A+++/A+++	8.60 - 5.10 - A+++/A+++	7.80 - 4.60 - A++/A++
Weight ID - OD	kg	11 - 27	11 - 31	11 - 30
Dimensions (H x W x D) - ID	mm	293 x 822 x 226	293 x 822 x 226	293 x 822 x 226
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Indoor Airflow (High - Low)	l/s	189 - 89	203 - 89	200 - 94
Outdoor Airflow (High)	m ³ /h - l/s	1890 - 525	1940 - 539	2040 - 567
Sound pressure level - ID - OD**	dB(A)	41/19 - 44	43/19 - 47	44/22 - 49
Suggested Power & Fuse rating	V-ph-Hz & A	220~240-1-50 &	220~240-1-50 &	220~240-1-50 &
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8" - 1/4"	3/8" - 1/4"	1/2" - 1/4"
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	R32/0.65/20	R32/0.8/20	R32/0.8/20

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

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

*** Power to indoor or Outdoor



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

Indoor Unit (White)	RAS-	B18P2KVSG-E	B22P2KVSG-E	B24P2KVSG-E
Indoor Unit Retail Price	White	£671	£701	£775
Outdoor Unit	RAS-	18P2AVSG-E	22P2AVSG-E	24P2AVSG-E
Outdoor Unit Retail Price	White	£1,383	£1,528	£1,769
System Retail Price*		£2,054	£2,229	£2,544
Rated Cooling capacity	kW	5.0	6.1	7.0
Rated Heating capacity	kW	6.0	7.0	8.0
UK Cooling Total/Sensible	kW	5.96/4.24	6.84/4.71	6.84/4.71
UK Heating	kW	3.98	5.27	5.27
SEER - SCOP - Energy Label		7.30 - 4.60 - A++/A++	7.30 - 4.60 - A++/A++	6.30 - 4.10 - A++/A+
Weight ID - OD	kg	14 - 32	14 - 33	15 - 36
Dimensions (H x W x D) - ID	mm	320 x 1076 x 248	320 x 1076 x 248	320 x 1076 x 248
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300
Indoor Airflow (High - Low)	l/s	272 - 164	289 - 178	311 - 200
Outdoor Airflow (High)	m ³ /h - l/s	2070 - 575	2180 - 606	2910 - 808
Sound pressure level - ID - OD**	dB(A)	44/26 - 49	46/27 - 50	47/28 - 52
Suggested Power & Fuse rating	V-ph-Hz & A	220~240-1-50 &	220~240-1-50 &	220~240-1-50 &
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2" - 1/4"	1/2" - 1/4"	1/2" - 1/4"
Min/Max Pipe Length - Height	m	2/20 - 12	2/20 - 12	2/25 - 15
Chargeless pipe length	m	15	15	15
Refrigerant - additional charge	Type/kg/g	R32/1.1/20	R32/1.1/20	R32/1.14/20

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

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

*** Power to indoor or Outdoor

TOSHIBA**HAORI****RAS High-Wall Inverter Split System - HAORI**

Indoor Unit	RAS-	B10N4KVRG-E2	B13N4KVRG-E1	B16N4KVRG-E1
Indoor Unit Retail Price		£676	£704	£791
Outdoor Unit	RAS-	10P2AVSG-E	13P2AVSG-E	16P2AVSG-E
Outdoor Unit Retail Price		£823	£1,021	£1,249
System Retail Price*		£1,499	£1,725	£2,040
Rated Cooling capacity	kW	2.5	3.5	4.6
Rated Heating capacity	kW	3.2	4.2	5.5
UK Cooling Total/Sensible	kW	2.44/1.93	3.42/2.64	4.49/3.42
UK Heating	kW	1.86	2.54	3.37
SEER - SCOP - Energy Label		8.50 - 5.10 - A+++/A+++	8.70 - 5.10 - A+++/A+++	7.80 - 4.60 - A+++/A+++
Weight ID - OD	kg	11 - 27	11 - 30	12 - 33
Dimensions (H x W x D) - ID	mm	300 x 987 x 210	300 x 987 x 210	300 x 987 x 210
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Indoor Airflow (High - Low)	l/s	169 - 86	189 - 89	202 - 94
Outdoor Airflow (High)	m ³ /h - l/s	1890 - 524	1950 - 540	2040 - 566
Sound pressure level - ID - OD**	dB(A)	41/19 - 44	43/19 - 48	45/22 - 50
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8" - 1/4"	3/8 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Height	m	2/20 - 12	2/20 - 12	2/20 - 12
Chargeless pipe length	m	15	15	15
Refrigerant - additional charge	Type/kg/g	R32/0.65/20	R32/0.80/20	R32/0.80/20

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

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

*** Power to indoor or Outdoor



RAS High-Wall Inverter Split System - DAISEIKAI 10 White

Indoor Unit	RAS-	B10S4KVPG-E	B13S4KVPG-E	B18S4KVPG-E
Indoor Unit Retail Price		£832	£857	£908
Outdoor Unit	RAS-	10S4AVPG-E	13S4AVPG-E	18S4AVPG-E
Outdoor Unit Retail Price		£1,460	£1,548	£1,999
System Retail Price*		£2,292	£2,405	£2,907
Rated Cooling capacity	kW	2.5	3.5	5.0
Rated Heating capacity	kW	3.2	4.0	6.0
UK Cooling Total/Sensible	kW	2.44/2.03	3.42/2.74	4.40/3.56
UK Heating	kW	1.9	2.51	3.43
SEER - SCOP - Energy Label		10.70 - 5.30 - A+++/A+++	9.70 - 5.20 - A+++/A+++	8.60 - 4.80 - A+++/A+++
Weight ID - OD	kg	14 - 38	14 - 38	14 - 38
Dimensions (H x W x D) - ID	mm	293 x 930 x 255	293 x 930 x 255	293 x 930 x 255
Dimensions (H x W x D) - OD	mm	630 x 800 x 300	630 x 800 x 300	630 x 800 x 300
Indoor Airflow (High - Low)	l/s	194 - 83	208 - 91	222 - 97
Outdoor Airflow (High)	m ³ /h - l/s	2100 - 583	2160 - 600	2220 - 616
Sound pressure level - ID - OD**	dB(A)	44/20 - 47	45/20 - 50	46/22 - 50
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Height	m	2/25 - 15	2/25 - 15	2/25 - 15
Chargeless pipe length	m	15	15	15
Refrigerant - additional charge	Type/kg/g	R32/1.00/20	R32/1.00/20	R32/1.00/20

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

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

*** Power to indoor or Outdoor

TOSHIBA**DAISEIKAI****RAS High-Wall Inverter Split System - DAISEIKAI 10 Wood**

Indoor Unit	RAS-	B10S4KVDG-E	B13S4KVDG-E	B18S4KVDG-E
Indoor Unit Retail Price		£1,049	£1,087	£1,186
Outdoor Unit	RAS-	10S4AVPG-E	13S4AVPG-E	18S4AVPG-E
Outdoor Unit Retail Price		£1,460	£1,548	£1,999
System Retail Price*		£2,509	£2,635	£3,185
Rated Cooling capacity	kW	2.5	3.5	5.0
Rated Heating capacity	kW	3.2	4.0	6.0
UK Cooling Total/Sensible	kW	2.44/2.03	3.42/2.74	4.40/3.56
UK Heating	kW	1.9	2.51	3.43
SEER - SCOP - Energy Label		10.70 - 5.30 - A+++/A+++	9.70 - 5.20 - A+++/A+++	8.60 - 4.80 - A+++/A+++
Weight ID - OD	kg	16 - 38	16 - 38	16 - 38
Dimensions (H x W x D) - ID	mm	293 x 940 x 257	293 x 940 x 257	293 x 940 x 257
Dimensions (H x W x D) - OD	mm	630 x 800 x 300	630 x 800 x 300	630 x 800 x 300
Indoor Airflow (High - Low)	l/s	194 - 83	208 - 91	222 - 97
Outdoor Airflow (High)	m ³ /h - l/s	2100 - 583	2160 - 600	2220 - 616
Sound pressure level - ID - OD**	dB(A)	44/20 - 47	45/20 - 50	46/22 - 50
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Height	m	2/25 - 15	2/25 - 15	2/25 - 15
Chargeless pipe length	m	15	15	15
Refrigerant - additional charge	Type/kg/g	R32/1.00/20	R32/1.00/20	R32/1.00/20

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

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

*** Power to indoor or Outdoor



RAS Inverter Split System - Bi-Flow Console

Indoor Unit	RAS-	B10J2FVG-E1	B13J2FVG-E1	B18J2FVG-E1
Indoor Unit Retail Price		£813	£886	£983
Outdoor Unit	RAS-	10P2AVSG-E	13P2AVSG-E	18P2AVSG-E
Outdoor Unit Retail Price		£823	£1,021	£1,383
System Retail Price*		£1,636	£1,907	£2,366
Rated Cooling capacity	kW	2.5	3.5	5.0
Rated Heating capacity	kW	3.2	4.2	6.0
UK Cooling Total/Sensible	kW	2.44/2.03	3.42/2.74	4.40/3.56
UK Heating	kW	1.9	2.51	3.43
SEER - SCOP - Energy Label		7.20 - 4.70 - A++/A++	7.00 - 4.70 - A++/A++	6.80 - 4.60 - A++/A++
Weight ID - OD	kg	16 - 26	16 - 30	16 - 34
Dimensions (H x W x D) - ID	mm	600 x 700 x 220	600 x 700 x 220	600 x 700 x 220
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Indoor Airflow (High - Low)	l/s	136 - 71	153 - 75	183 - 101
Outdoor Airflow (High)	m ³ /h - l/s	1890 - 524	1950 - 540	2076 - 576
Sound pressure level - ID - OD**	dB(A)	39/23 - 47	40/24 - 49	47/31 - 51
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Height	m	2/20 - 12	2/20 - 12	2/20 - 12
Chargeless pipe length	m	15	15	15
Refrigerant - additional charge	Type/kg/g	R32/0.65/	R32/0.80/	R32/1.10/

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

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

*** Power to Outdoor

TOSHIBA



RAS Multi - Split Inverter Outdoor Unit - G3

Outdoor unit	RAS-	2M10G3AVG-E	2M14G3AVG-E	2M18G3AVG-E
Rooms		2-room Multisplit	2-room Multisplit	2-room Multisplit
Outdoor Unit Retail Price		£1,204	£1,228	£1,377
Rated Cooling capacity	kW	3.3	4.0	5.2
Rated Heating capacity	kW	4.0	4.4	5.6
(Capacity Code) 2 x Indoor Connection	Min - Max.	10 - 20	10 - 26	10 - 32
(Capacity Code) 3 x Indoor Connection		-	-	-
(Capacity Code) 4 x Indoor Connection		-	-	-
(Capacity Code) 5 x Indoor Connection		-	-	-
SEER - SCOP - Energy Label		8.60 - 4.70 - A+++/A++	8.70 - 4.80 - A+++/A++	8.70 - 4.80 - A+++/A++
Weight	kg	31	35	43
Dimensions (H x W x D)	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300
Outdoor Airflow (High)	m ³ /h - l/s	2100-583	2250-625	2600-722
Sound pressure level - OD*	dB(A)	51/46	52/46	50/44
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16
Interconnecting Cable**		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 x 2 - 1/4 x 2	3/8 x 2 - 1/4 x 2	1/4 x 2 - 3/8 x 2
Maximum pipe length (per unit/total) - Height	m	15/20 - 10	20/30 - 10	20/30 - 10
Chargeless pipe length	m	20	30	30
Refrigerant - additional charge	Type/kg/g	R32/0.80/0	R32/0.95/0	R32/1.20/0

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

** Power to Outdoor



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

Outdoor unit	RAS-	3M18G3AVG-E	3M26G3AVG-E
Rooms		3-room Multisplit	3-room Multisplit
Outdoor Unit Retail Price		£1,946	£2,304
Rated Cooling capacity	kW	5.2	7.5
Rated Heating capacity	kW	6.8	9.0
(Capacity Code) 2 x Indoor Connection	Min - Max.	10 - 32	10 - 42
(Capacity Code) 3 x Indoor Connection		15 - 36	15 - 54
(Capacity Code) 4 x Indoor Connection		-	-
(Capacity Code) 5 x Indoor Connection		-	-
SEER - SCOP - Energy Label		8.60 - 4.80 - A+++/A++	8.50 - 4.60 - A+++/A++
Weight	kg	44	67
Dimensions (H x W x D)	mm	630 x 800 x 300	890 x 900 x 320
Outdoor Airflow (High)	m ³ /h - l/s	2800-778	3700-1028
Sound pressure level - OD*	dB(A)	52/46	53/45
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16
Interconnecting Cable**		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 x 2 + 1/2 x 1 - 1/4 x 3	3/8 x 1 + 1/2 x 2 - 1/4 x 3
Maximum pipe length (per unit/total) - Height	m	25/50 - 10	25/ 70 - 15
Chargeless pipe length	m	50	40
Refrigerant - additional charge	Type/kg/g	R32/1.25/0	R32/1.90/20

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

** Power to Outdoor

TOSHIBA



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

Outdoor unit	RAS-	4M27G3AVG-E	5M34G3AVG-E1
Rooms		4-room Multisplit	5-room Multisplit
Outdoor Unit Retail Price		£2,808	£3,198
Rated Cooling capacity	kW	8.0	10.0
Rated Heating capacity	kW	9.0	12.0
(Capacity Code) 2 x Indoor Connection	Min - Max.	10 - 42	10 - 48
(Capacity Code) 3 x Indoor Connection		15 - 54	15 - 48
(Capacity Code) 4 x Indoor Connection		20 - 52	20 - 68
(Capacity Code) 5 x Indoor Connection		-	25 - 68
SEER - SCOP - Energy Label		8.30 - 4.50 - A++/A+	7.20 - 4.30 - A++/A+
Weight	kg	68	78
Dimensions (H x W x D)	mm	890 x 900 x 320	890 x 900 x 320
Outdoor Airflow (High)	m ³ /h - l/s	3700-1028	4400-1222
Sound pressure level - OD*	dB(A)	54/45	56/47
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 20	220/240-1-50 & 20
Interconnecting Cable**		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 x 2 + 1/2 x 2 - 1/4 x 4	3/8 x 3 + 1/2 x 2 - 1/4 x 5
Maximum pipe length (per unit/total) - Height	m	25/70 - 15	25/80 - 15
Chargeless pipe length	m	40	40
Refrigerant - additional charge	Type/kg/g	R32/2.05/20	R32/2.39/20

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

** Power to Outdoor



RAS Multi - Split Inverter Outdoor Unit - Combinations

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

Available

Not available

* Available for single and multi connection

** Available for multi connection only

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RAS Multi Split - indoor Unit - Compact Cassette

Indoor unit (600X600 Cassette)	RAS-	M10S4MUVG-E	M13S4MUVG-E	M16S4MUVG-E
Fascia Panel	RBC-	UM21P-E	UM21P-E	UM21P-E
Indoor Unit Retail Price		£1,333	£1,413	£1,472
Remote Controller	RBC-	AXU31UMP-E	AXU31UMP-E	AXU31UMP-E
Remote Controller Retail Price		£140	£140	£140
Indoor Unit Retail Price (inc. Fascia Panel & Controller)*		£1,473	£1,553	£1,612
Rated Cooling capacity	kW	2.5	3.5	4.6
Rated Heating capacity	kW	3.2	4.2	5.5
UK Cooling Total/Sensible	kW	2.44/2.03	3.42/2.74	4.49/3.56
UK Heating	kW	2.1	2.6	3.5
Weight ID - Panel	kg	16 - 3	16 - 3	16 - 3
Dimensions (H x W x D) - ID	mm	244 x 575 x 575	244 x 575 x 575	244 x 575 x 575
Dimensions (H x W x D) - Panel	mm	12 x 620 x 620	12 x 620 x 620	12 x 620 x 620
Indoor Airflow (High - Low)	l/s	164 - 119	172 - 119	189 - 125
Sound pressure level - ID **	dB(A)	37/30	39/33	41/33
Power Supply OD to ID	V-ph-Hz	220/240-1-50	220/240-1-50	220/240-1-50
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas – liquid)	Inch	3/8 – 1/4	3/8 – 1/4	1/2 – 1/4

* RBC-AMSU52-E (£164) available as optional accessories

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

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



RAS Multi Split - indoor Unit - Slim Ducted

Indoor Unit	RAS-	M07U2DVG-E	M10U2DVG-E	M13U2DVG-E
Indoor Unit Retail Price*		£1,008	£1,021	£1,036
Rated Cooling capacity	kW	2.0	2.7	3.7
Rated Heating capacity	kW	2.7	4.0	5.0
UK Cooling Total/Sensible	kW	1.95/1.57	2.44/1.93	3.22/2.49
UK Heating	kW	1.60	2.0	2.20
Weight ID	kg	16	16	16
Dimensions (H x W x D) - ID	mm	210 × 700 × 450	210 × 700 × 450	210 × 700 × 450
Indoor Airflow (High - Low)	l/s	158 - 106	158 - 106	169 - 107
External Static Pressure (Upper - Lower)	Pa	(10 - 45)	(10 - 45)	(10 - 45)
Sound pressure level - ID ***	dB(A)	35/27	35/27	37/27
Power Supply OD to ID	V-ph-Hz	220/240-1-50	220/240-1-50	220/240-1-50
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)	Inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4

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

** RB-RWS21-E (£232) available as optional accessories

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

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

Indoor Unit	RAS-	M16U2DVG-E	M22U2DVG-E	M24U2DVG-E
Indoor Unit Retail Price*		£1,104	£1,290	£1,332
Rated Cooling capacity	kW	4.5	6.0	7.1
Rated Heating capacity	kW	5.5	7.0	8.1
UK Cooling Total/Sensible	kW	4.49/3.36	5.96/4.24	6.84/4.71
UK Heating	kW	3.3	4.0	5.3
Weight ID	kg	19	22	22
Dimensions (H x W x D) - ID	mm	210 × 900 × 450	210 × 1100 × 450	210 × 1100 × 450
Indoor Airflow (High - Low)	l/s	217 - 117	278 - 206	294 - 211
External Static Pressure (Upper - Lower)	Pa	(10 - 45)	(10 - 45)	(10 - 45)
Sound pressure level - ID ***	dB(A)	35/24	38/32	39/33
Power Supply OD to ID	V-ph-Hz	220/240-1-50	220/240-1-50	220/240-1-50
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)	Inch	1/2 - 1/4	1/2 - 1/4	1/2 - 1/4

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

** RB-RWS21-E (£232) available as optional accessories

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

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RAS Accessories

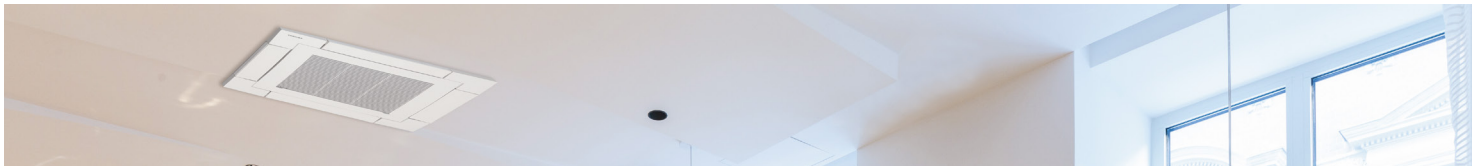
RAS Accessories	Model	Description	Price
Wireless Controller			
Wireless Controller	RB-RXS31-E	Weekly-Timer, IMS Combination (WH-TA03EE)	£85
	RB-RXS33-E	Remote Controller Weekly-Timer (WH-TA15PE)	£85
	RB-RXS34-E	Remote Controller RAS (Seiya, Shorai, Console, Daiseikai)	£97
Controller Wired			
Controller Wired	RB-RWS21-E	Hard Wired Remote Controller RAS Ducted	£232
	RBC-AMSU52-E	Hard Wired Remote Controller RAS Cassette	£164
Indoor Interfaces			
Indoor Interface	TCB-SSRL011UUP-E	RAS TU2C-Link interface for Central Control	£160
	RB-N105S-G	Wi-Fi Adapter	£154
	RB-N106S-G	Wi-Fi Adapter & Cable	£161
Fabric Covers			
Fabric Cover	RB-14101-E	RAS HAORI Fabric Dark Grey	£80
	RB-14102-E	RAS HAORI Fabric Light Grey	£80
	RB-14103-E	RAS HAORI Fabric Bluish Grey	£98
	RB-14104-E	RAS HAORI Fabric Grey Beige	£98
	RB-14105-E	RAS HAORI Fabric Dark Brown	£98
	RB-14106-E	RAS HAORI Fabric Emerald Blue	£98
Anti-Corrosion/Paint Coating			
Anti-Corrosion Coating *	CACC-SFCASE	Single Fan Unit Case Anti-Corrosion Coating	£637
Paint Coating *	PAINT-SF	Single Fan Chassis Colour change (RAL Number required)	£847

*Additional delivery charges may apply

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Light Commercial

RAV Digital Inverters	Pages		Pages
RAV High-Wall - Digital Inverter Classic - Series 1	24	RAV Twin-Split Standard Cassette - Digital Inverter - Series 1/3	52 - 56
RAV Standard Cassette - Digital Inverter Classic - Series 1	25 - 27	RAV Twin-Split Ceiling - Digital Inverter - Series 1/3	55 - 57
RAV Standard Ducted - Digital Inverter Classic - Series 1	28 - 30	RAV Twin-Split Standard Ducted - Digital Inverter - Series 1/3	58 - 60
RAV High-Wall - Digital Inverter - Series 1	31 - 32	RAV Twin-Split Floor-Standing - Digital Inverter - Series 1/3	61 - 62
RAV Compact Cassette - Digital Inverter - Series 1	33	RAV Triple-Split High-Wall - Digital Inverter - Series 1/3	63 - 65
RAV Standard Cassette - Digital Inverter - Series 1	34 - 36	RAV Triple-Split Compact Cassette - Digital Inverter - Series 1	66 - 67
RAV Ceiling Type - Digital Inverter - Series 1	37 - 40	RAV Triple-Split Standard Cassette - Digital Inverter - Series 1/3	68 - 69
RAV Slim Ducted - Digital Inverter - Series 1	41	RAV Triple-Split Ceiling - Digital Inverter - Series 1/3	70 - 71
RAV Standard Ducted - Digital Inverter - Series 1	42 - 44	RAV Triple-Split Slim Ducted - Digital Inverter - Series 3	72
RAV High Static Ducted - DI 8 & 10HP Inverter Series 3	45	RAV Triple-Split Standard Ducted - Digital Inverter - Series 1/3	73 - 74
RAV Floor Standing - Digital Inverter - Series 1	46 - 47	RAV Triple-Split Floor-Standing - Digital Inverter - Series 3	75
RAV Twin-Split High-Wall - Digital Inverter - Series 1/3	48 - 50		
RAV Twin-Split Compact Cassette - Digital Inverter - Series 1	51 - 52		



Light Commercial

RAV Digital Inverters	Pages		Pages
RAV Quad-Split High-Wall - Digital Inverter - Series 1/3	76 - 77	RAV Twin-Split Standard Cassette - Super Digital Inverter - Series 1	109 - 110
RAV Quad-Split Compact Cassette - Digital Inverter - Series 1/3	78 - 79	RAV Twin-Split Ceiling - Super Digital Inverter - Series 1	111 - 112
RAV Quad-Split Standard Cassette - Digital Inverter - Series 3	80	RAV Twin-Split Slim Ducted - Super Digital Inverter - Series 1	113 - 114
RAV Quad-Split Ceiling - Digital Inverter - Series 1/3	81 - 82	RAV Twin-Split Standard Ducted - Super Digital Inverter - Series 1	115 - 116
RAV Quad-Split Slim Ducted - Digital Inverter - Series 3	83	RAV Twin-Split Floor-Standing - Super Digital Inverter - Series 1	117 - 118
RAV Quad-Split Standard Ducted - Digital Inverter - Series 3	84	RAV Triple-Split High-Wall - Super Digital Inverter - Series 1	119 - 120
RAV Quad-Split Floor-Standing - Digital Inverter - Series 3	85	RAV Triple-Split Compact Cassette - Super Digital Inverter - Series 1	121 - 122
RAV High-Wall - Super Digital Inverter Series 1	86	RAV Triple-Split Standard Cassette - Super Digital Inverter - Series 1	123
RAV Smart Cassette - Super Digital Inverter - Series 1	87 - 88	RAV Triple-Split Ceiling - Super Digital Inverter - Series 1	124
RAV Compact Cassette - Super Digital Inverter - Series 1	89	RAV Triple-Split Slim Ducted - Super Digital Inverter - Series 1	125
RAV Standard Cassette - Super Digital Inverter - Series 1	90 - 93	RAV Triple-Split Standard Ducted - Super Digital Inverter - Series 1	126
RAV Ceiling Type - Super Digital Inverter - Series 1	94 - 96	RAV Triple-Split Floor-Standing - Super Digital Inverter - Series 1	127
RAV Slim Ducted - Super Digital Inverter - Series 1	97	RAV Quad-Split High-Wall - Super Digital Inverter - Series 1	128
RAV Standard Ducted - Super Digital Inverter - Series 1	98 - 101	RAV Quad-Split Compact Cassette - Super Digital Inverter - Series 1	129
RAV Floor Standing - Super Digital Inverter - Series 1	101 - 103	RAV Quad-Split Ceiling - Super Digital Inverter - Series 1	130
RAV Twin-Split High-Wall - Super Digital Inverter - Series 1	104 - 108	RAV Air Handling Unit Applications	131 - 144
RAV Twin-Split Compact Cassette - Super Digital Inverter - Series 1	107 - 109	RAV Accessories	145 - 150

TOSHIBA



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		£594	£640	£770	£770
Outdoor Unit	RAV-	GV561ATP-E	GV801ATP-E	GV1101ATP-E	GV1101AT8P-E
Outdoor Unit Retail Price		£1,036	£1,326	£1,583	£1,979
System Retail Price*		£1,630	£1,966	£2,353	£2,749
Rated Cooling capacity	kW	5.0	6.7	9.5	9.5
Rated Heating capacity	kW	5.3	7.0	10.0	10.0
UK Cooling Total/Sensible	kW	4.80/4.10	6.40/5.50	9.00/7.80	9.00/7.80
UK Heating	kW	2.92	3.95	5.5	5.5
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.20-3.90 - A++/A	5.75-3.90 - A+/A	6.00-4.00 - A+/A+	6.10-4.10 - A++/A+
Weight ID - OD	kg	14 - 36	14 - 39	19 - 45	19 - 59
Dimensions (H x W x D) - ID	mm	320 x 1050 x 250	320 x 1050 x 250	348 x 1200 x 280	348 x 1200 x 280
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300	710 x 900 x 320
Indoor Airflow (H-M-L)	l/s	267 - 231 - 189	289 - 253 - 189	447 - 375 - 328	447 - 375 - 328
Outdoor Airflow (High)	m ³ /h - l/s	2350 - 653	2700 - 750	2900 - 800	3500 - 972
Sound pressure level (H-M-L) ID / OD**	dB(A)	42-39-35 - 46/48	45-41-35 - 48/52	49-45-41 - 51/53	49-45-41 - 53/60
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 16	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 20	5/30 - 20	5/30 - 30	5/30 - 30
Chargeless pipe length	m	20	20	30	30
Refrigerant - additional charge	Type/kg/g	R32/0.9/20	R32/1.4/35	R32/1.7	R32/1.7

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

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

*** Other control options are available as accessories



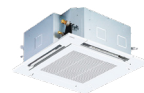
RAV Standard Cassette - Digital Inverter Classic - Series 1

Indoor unit (4-way Cassette)	RAV-	HM561UTP-E	HM801UTP-E	HM1101UTP-E
Fascia Panel	RBC-	U33P-E	U33P-E	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,111	£1,194	£1,302
Outdoor unit	RAV-	GV561ATP-E	GV801ATP-E	GV1101ATP-E
Outdoor Unit Retail Price		£1,036	£1,326	£1,583
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Fascia Panel & Controller)*		£2,311	£2,684	£3,049
Rated Cooling capacity	kW	5.0	6.7	9.5
Rated Heating capacity	kW	5.3	7.0	10.0
UK Cooling Total/Sensible	kW	4.80/4.10	6.40/5.50	9.00/7.80
UK Heating	kW	2.92	3.85	5.5
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.20-4.20 - A++/A+	6.00-4.15 - A+/A+	6.00-4.00 - A+/A+
Weight ID - OD	kg	20 - 36	20 - 39	24 - 45
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300
Indoor Airflow (H-M-L)	l/s	292 - 242 - 217	342 - 267 - 225	558 - 400 - 325
Outdoor Airflow (High)	m ³ /h - l/s	2350 - 653	2700 - 750	3000 - 833
Sound pressure level (H-M-L) ID / OD**	dB(A)	32-29-28 - 46/48	35-31-28 - 48/52	43-38-33 - 51/53
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 25
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 20	5/30 - 20	5/30 - 30
Chargeless pipe length	m	20	20	30
Refrigerant - additional charge	Type/kg/g	R32/0.9/20	R32/1.4/35	R32/1.7

* Other control options are available as accessories

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

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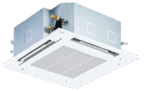


RAV Standard Cassette - Digital Inverter Classic Series 1(Continued)

Indoor unit (4-way Cassette)	RAV-	HM1101UTP-E	HM1401UTP-E	HM1401UTP-E
Fascia Panel	RBC-	U33P-E	U33P-E	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,302	£1,331	£1,331
Outdoor unit	RAV-	GV1101AT8P-E	GV1401ATP-E	GV1401AT8P-E
Outdoor Unit Retail Price		£1,979	£1,945	£2,085
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Fascia Panel & Controller)*		£3,445	£3,440	£3,580
Rated Cooling capacity	kW	9.5	11.5	12.1
Rated Heating capacity	kW	10.0	11.9	12.3
UK Cooling Total/Sensible	kW	9.00/7.80	11.00/9.30	11.00/9.30
UK Heating	kW	5.5	6.55	6.55
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.20-4.10 - A++/A+	5.10-3.90 - A/A	5.10-3.90 - A/A
Weight ID - OD	kg	24 - 59	24 - 57	24 - 59
Dimensions (H x W x D) - ID	mm	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	710 x 900 x 320	710 x 900 x 320	710 x 900 x 320
Indoor Airflow (H-M-L)	l/s	558 - 400 - 325	583 - 400 - 342	583 - 400 - 342
Outdoor Airflow (High)	m ³ /h - l/s	4080 - 1133	4200 - 1167	4200 - 1167
Sound pressure level (H-M-L) ID / OD**	dB(A)	43-38-33 - 53/60	44-38-34 - 53/60	44-38-34 - 53/60
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 10	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 30	5/30 - 30	5/30 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/1.7	R32/1.9	R32/1.9

* Other control options are available as accessories

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



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

Indoor unit (4-way Cassette)	RAV-	HM1601UTP-E	HM1601UTP-E
Fascia Panel	RBC-	U33P-E	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,424	£1,424
Outdoor unit	RAV-	GV1601ATP-E1	GV1601AT8P-E1
Outdoor Unit Retail Price		£2,245	£2,588
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Fascia Panel & Controller)*		£3,833	£4,176
Rated Cooling capacity	kW	13.0	13.0
Rated Heating capacity	kW	13.5	13.5
UK Cooling Total/Sensible	kW	12.40/10.50	12.40/10.50
UK Heating	kW	7.43	7.43
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.90-4.20 - 233.0/165.0	5.90-4.20 - 233.0/165.0
Weight ID - OD	kg	24 - 64	24 - 66
Dimensions (H x W x D) - ID	mm	319 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	592 - 408 - 350	592 - 408 - 350
Outdoor Airflow (High)	m ³ /h - l/s	6900 - 1917	6900 - 1917
Sound pressure level (H-M-L) ID / OD**	dB(A)	45-40-36 - 57/59	45-40-36 - 57/59
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 30	5/30 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.2	R32/2.2

* Other control options are available as accessories

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

TOSHIBA



RAV Standard Ducted - Digital Inverter Classic Series 1

Indoor Unit (Standard Duct)	RAV-	HM561BTP-E	HM801BTP-E	HM1101BTP-E
Indoor Unit Retail Price		£842	£1,087	£1,243
Outdoor Unit	RAV-	GV561ATP-E	GV801ATP-E	GV1101ATP-E
Outdoor Unit Retail Price		£1,036	£1,326	£1,583
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£2,042	£2,577	£2,990
Rated Cooling capacity	kW	5.0	6.7	9.5
Rated Heating capacity	kW	5.3	7.0	10.0
UK Cooling Total/Sensible	kW	4.90/4.00	6.40/5.50	9.00/7.80
UK Heating	kW	3.65	3.85	5.5
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.20-3.90 - A/A	5.10-4.00 - A/A+	5.10-3.80 - A/A
Weight ID - OD	kg	23 - 36	30 - 39	40 - 45
Dimensions (H x W x D) - ID	mm	275 x 700 x 750	275 x 1000 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300
Indoor Airflow (H-M-L)	l/s	222 -175 - 133	333 - 258 - 208	583 - 458 - 350
External Static Pressure (Upper - Lower)	Pa	(120 - 30)	(120 - 30)	(120 - 30)
Outdoor Airflow (High)	m3/h - l/s	2350 - 653	2700 - 750	3000 - 833
Sound pressure level (H-M-L) ID / OD**	dB(A)	34-30-26 - 48/52	34-30-26 - 48/52	40-36-33 - 51/53
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 20	5/30 - 20	5/30 - 30
Chargeless pipe length	m	20	20	30
Refrigerant - additional charge	Type/kg/g	R32/0.9/20	R32/1.4/35	R32/1.7

* Other control options are available as accessories

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



RAV Standard Ducted - Digital Inverter Classic Series 1

Indoor Unit (Standard Duct)	RAV-	HM1101BTP-E	HM1401BTP-E	HM1401BTP-E
Indoor Unit Retail Price		£1,243	£1,386	£1,386
Outdoor Unit	RAV-	GV1101AT8P-E	GV1401ATP-E	GV1401AT8P-E
Outdoor Unit Retail Price		£1,979	£1,945	£2,085
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£3,386	£3,495	£3,635
Rated Cooling capacity	kW	9.5	11.5	12.1
Rated Heating capacity	kW	10.0	11.9	12.3
UK Cooling Total/Sensible	kW	9.00/7.80	11.00/9.30	11.00/9.30
UK Heating	kW	5.5	6.55	6.55
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.30-3.80 - A/A	5.10-3.80 - A/A	5.10-3.80 - A/A
Weight ID - OD	kg	40 - 59	40 - 57	40 - 59
Dimensions (H x W x D) - ID	mm	275 x 1400 x 750	275 x 1400 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	710 x 900 x 320	710 x 900 x 320	710 x 900 x 320
Indoor Airflow (H-M-L)	l/s	583 - 458 - 350	583 - 458 - 350	583 - 458 - 350
External Static Pressure (Upper - Lower)	Pa	(120 - 30)	(120 - 30)	(120 - 30)
Outdoor Airflow (High)	m3/h - l/s	4080 - 1133	4200 - 1167	4200 - 1167
Sound pressure level (H-M-L) ID / OD**	dB(A)	40-36-33 - 53/60	40-36-33 - 53/60	40-36-33 - 53/60
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 10	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 30	5/30 - 30	5/30 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/1.7	R32/1.9	R32/1.9

* Other control options are available as accessories

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

TOSHIBA



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

Indoor Unit (Standard Duct)	RAV-	HM1601BTP-E	HM1601BTP-E
Indoor Unit Retail Price		£1,513	£1,513
Outdoor Unit	RAV-	GV1601ATP-E1	GV1601AT8P-E1
Outdoor Unit Retail Price		£2,245	£2,588
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£3,922	£4,265
Rated Cooling capacity	kW	13.0	13.0
Rated Heating capacity	kW	13.5	13.5
UK Cooling Total/Sensible	kW	12.40/10.50	12.40/10.50
UK Heating	kW	7.43	7.43
SEER - SCOP - Energy Label (or nsc %)	kW/kW	4.90-4.15 - 193.0/163.0	5.90-4.20 - 233.0/165.0
Weight ID - OD	kg	40 - 64	40 - 66
Dimensions (H x W x D) - ID	mm	275 x 1400 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	583 - 458 - 350	583 - 458 - 350
External Static Pressure (Upper - Lower)	Pa	(120 - 30)	(120 - 30)
Outdoor Airflow (High)	m3/h - l/s	6900 - 1917	6900 - 1917
Sound pressure level (H-M-L) ID / OD**	dB(A)	40-36-33 - 57/59	40-36-33 - 57/59
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 30	5/30 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.2	R32/2.2

* Other control options are available as accessories

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



RAV High-Wall - Digital Inverter - Series 1

Indoor Unit (High-wall)	RAV-	HM301KRTP-E	HM401KRTP-E	HM561KRTP-E
Indoor Unit Retail Price		£444	£482	£594
Outdoor Unit	RAV-	GM301ATP-E	GM401ATP-E	GM561ATP-E1
Outdoor Unit Retail Price		£818	£980	£1,165
System Retail Price*		£1,262	£1,462	£1,759
Rated Cooling capacity	kW	2.5	3.6	5.0
Rated Heating capacity	kW	3.4	4.0	5.3
UK Cooling Total/Sensible	kW	2.37/1.97	3.42/2.67	4.75/3.61
UK Heating	kW	2.43	2.86	3.79
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+
Weight ID - OD	kg	10 - 33	10 - 39	14 - 38
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	293 x 798 x 230	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Indoor Airflow (H-M-L)	l/s	186 - 150 - 125	194 - 161 - 125	267 - 231 - 189
Outdoor Airflow (High)	m ³ /h - l/s	1800 - 500	2200 - 611	2400 - 667
Sound pressure level (H-M-L) ID / OD**	dB(A)	40-34-29 - 46/47	41-36-30 - 49/50	42-39-35 - 46/48
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Height	m	2/20 - 10	2/20 - 10	5/30 - 30
Chargeless pipe length	m	15	15	20
Refrigerant - additional charge	Type/kg/g	R32/0.63/20	R32/0.9/20	R32/1.1/20

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

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

*** Other control options are available as accessories

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

Indoor Unit (High-wall)	RAV-	HM901KRTP-E	HM1101KRTP-E	HM1101KRTP-E
Indoor Unit Retail Price		£705	£770	£770
Outdoor Unit	RAV-	GM901ATP-E	GM1101ATP-E	GM1101AT8P-E
Outdoor Unit Retail Price		£1,699	£2,028	£2,341
System Retail Price*		£2,404	£2,798	£3,111
Rated Cooling capacity	kW	8.0	9.5	9.5
Rated Heating capacity	kW	9.0	11.2	11.2
UK Cooling Total/Sensible	kW	7.83/6.35	9.28/7.22	9.28/7.22
UK Heating	kW	6.12	6.93	6.93
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.10-4.10 - A++/A+	6.10-4.20 - A++/A+	6.10-4.20 - A++/A+
Weight ID - OD	kg	14 - 47	19 - 68	19 - 68
Dimensions (H x W x D) - ID	mm	320 x 1050 x 250	348 x 1200 x 280	348 x 1200 x 280
Dimensions (H x W x D) - OD	mm	630 x 800 x 300	890 x 900 x 320	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	328 - 253 - 189	447 - 375 - 328	447 - 375 - 328
Outdoor Airflow (High)	m ³ /h - l/s	2900 - 806	4080 - 1133	4080 - 1133
Sound pressure level (H-M-L) ID / OD**	dB(A)	47-41-35 - 51/55	49-45-41 - 54/57	49-45-41 - 54/57
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 20	220/240-1-50 & 20	380/415-3-50 & 10
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	20	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.0/35	R32/2.1/35	R32/2.1/35

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

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

*** Other control options are available as accessories



RAV - Compact Cassette - Digital Inverter - Series 1

Indoor unit (600X600 Cassette)	RAV-	HM301MUTP-E	HM401MUTP-E	HM561MUTP-E
Fascia Panel	RBC-	UM21P-E	UM21P-E	UM21P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,232	£1,243	£1,261
Outdoor unit	RAV-	GM301ATP-E	GM401ATP-E	GM561ATP-E1
Outdoor Unit Retail Price		£818	£980	£1,165
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Fascia Panel & Controller)*		£2,214	£2,387	£2,590
Rated Cooling capacity	kW	2.5	3.6	5.0
Rated Heating capacity	kW	3.4	4.0	5.3
UK Cooling Total/Sensible	kW	2.40/1.95	3.45/2.79	4.80/3.50
UK Heating	kW	2.18	2.56	3.79
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.94-4.70 - A+/A++	5.76-4.44 - A+/A+	5.69-4.37 - A+/A+
Weight ID - OD	kg	16 - 33	16 - 39	16 - 38
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Indoor Airflow (H-M-L)	l/s	177 - 144 - 122	183 - 153 - 130	221 - 187 - 152
Outdoor Airflow (High)	m ³ /h - l/s	1800 - 500	2200 - 611	2400 - 667
Sound pressure level (H-M-L) ID / OD**	dB(A)	38-36-30 - 46/47	41-36-32 - 49/50	44-39-35 - 46/48
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4
Min/Max Pipe Length - Height	m	2/20 - 10	2/20 - 10	5/30 - 30
Chargeless pipe length	m	15	15	20
Refrigerant - additional charge	Type/kg/g	R32/0.63/20	R32/0.9/20	R32/1.1/20

* Other control options are available as accessories

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

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RAV - Standard Cassette - Digital Inverter - Series 1

Indoor unit (4-way Cassette)	RAV-	HM561UTP-E	HM901UTP-E	HM1101UTP-E
Fascia Panel	RBC-	U33P-E	U33P-E	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,111	£1,249	£1,302
Outdoor unit	RAV-	GM561ATP-E1	GM901ATP-E	GM1101ATP-E
Outdoor Unit Retail Price		£1,165	£1,699	£2,028
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Fascia Panel & Controller)*		£2,440	£3,112	£3,494
Rated Cooling capacity	kW	5.0	8.0	9.5
Rated Heating capacity	kW	5.3	9.0	11.2
UK Cooling Total/Sensible	kW	4.80/3.60	7.83/6.35	9.10/7.56
UK Heating	kW	3.79	6.12	8.01
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.47-4.60 - A++/A++	7.20-4.60 - A++/A++	6.15-4.28 - A++/A+
Weight ID - OD	kg	20 - 38	24 - 47	24 - 68
Dimensions (H x W x D) - ID	mm	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	630 x 800 x 300	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	292 - 242 - 217	444 - 306 - 250	558 - 400 - 325
Outdoor Airflow (High)	m ³ /h - l/s	2400 - 667	2900 - 806	4080 - 1133
Sound pressure level (H-M-L) ID / OD**	dB(A)	32-29-28 - 46/48	40-36-33 - 51/55	43-38-33 - 54/57
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	20	20	30
Refrigerant - additional charge	Type/kg/g	R32/1.1/20	R32/2.0/35	R32/2.1/35

* Other control options are available as accessories

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



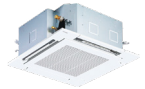
RAV - Standard Cassette - Digital Inverter - Series 1 (Continued)

Indoor unit (4-way Cassette)	RAV-	HM1101UTP-E	HM1401UTP-E	HM1401UTP-E
Fascia Panel	RBC-	U33P-E	U33P-E	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,302	£1,331	£1,331
Outdoor unit	RAV-	GM1101AT8P-E	GM1401ATP-E1	GM1401AT8P-E1
Outdoor Unit Retail Price		£2,341	£2,137	£2,465
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Fascia Panel & Controller)*		£3,807	£3,632	£3,960
Rated Cooling capacity	kW	9.5	12.0	12.0
Rated Heating capacity	kW	11.2	13.0	13.0
UK Cooling Total/Sensible	kW	9.10/7.56	11.40/8.80	11.40/8.80
UK Heating	kW	8.01	9.3	9.3
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.15-4.28 - A++/A+	5.71-4.29 - A+/A+	5.71-4.29 - A+/A+
Weight ID - OD	kg	24 - 68	24 - 68	24 - 68
Dimensions (H x W x D) - ID	mm	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	558 - 400 - 325	583 - 400 - 342	583 - 400 - 342
Outdoor Airflow (High)	m ³ /h - l/s	4080 - 1133	4200 - 1167	4200 - 1167
Sound pressure level (H-M-L) ID / OD**	dB(A)	43-38-33 - 54/57	44-38-34 - 55/57	44-38-34 - 55/57
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 10	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.1/35	R32/2.1/35	R32/2.1/35

* Other control options are available as accessories

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

TOSHIBA



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

Indoor unit (4-way Cassette)	RAV-	HM1601UTP-E	HM1601UTP-E
Fascia Panel	RBC-	U33P-E	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,424	£1,424
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,874	£3,190
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Fascia Panel & Controller)*		£4,462	£4,778
Rated Cooling capacity	kW	14.0	14.0
Rated Heating capacity	kW	16.0	16.0
UK Cooling Total/Sensible	kW	13.30/9.70	13.30/9.70
UK Heating	kW	10.88	10.88
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.30-4.35 - 249.0/171.0	6.30-4.35 - 249.0/171.0
Weight ID - OD	kg	24 - 95	24 - 94
Dimensions (H x W x D) - ID	mm	319 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	592 - 408 - 350	592 - 408 - 350
Outdoor Airflow (High)	m ³ /h - l/s	6900 - 1917	6900 - 1917
Sound pressure level (H-M-L) ID / OD**	dB(A)	45-40-36 - 53/55	45-40-36 - 53/55
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/50 - 30	5/50 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.4/35	R32/2.4/35

* Other control options are available as accessories

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



RAV - Ceiling Type - Digital Inverter - Series 1

Indoor unit (Ceiling)	RAV-	HM401CTP-E	HM561CTP-E	HM901CTP-E
Indoor Unit Retail Price		£864	£943	£1,165
Outdoor unit	RAV-	GM401ATP-E	GM561ATP-E1	GM901ATP-E
Outdoor Unit Retail Price		£980	£1,165	£1,699
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£2,008	£2,272	£3,028
Rated Cooling capacity	kW	3.6	5.0	8.0
Rated Heating capacity	kW	4.0	5.3	9.0
UK Cooling Total/Sensible	kW	3.45/2.89	4.80/3.06	7.83/6.61
UK Heating	kW	2.56	3.79	6.12
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.34-5.10 - A++/A+++	5.61-4.32 - A/A+	6.10-4.60 - A++/A++
Weight ID - OD	kg	23 - 39	23 - 38	37 - 47
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 950 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 800 x 300
Indoor Airflow (H-M-L)	l/s	250 - 200 - 150	250 - 200 - 150	444 - 278 - 250
Outdoor Airflow (High)	m ³ /h - l/s	2200 - 611	2400 - 667	2900 - 806
Sound pressure level (H-M-L) ID / OD**	dB(A)	37-35-28 - 49/50	37-35-28 - 46/48	43-36-29 - 48/52
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 16	220/240-1-50 & 20
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8
Min/Max Pipe Length - Height	m	2/20 - 10	5/30 - 30	5/50 - 30
Chargeless pipe length	m	15	20	20
Refrigerant - additional charge	Type/kg/g	R32/0.9/20	R32/1.1/20	R32/2.0/35

* Other control options are available as accessories

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

TOSHIBA



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

Indoor unit (Ceiling)	RAV-	HM1101CTP-E	HM1101CTP-E
Indoor Unit Retail Price		£1,216	£1,216
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E
Outdoor Unit Retail Price		£2,028	£2,341
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£3,408	£3,721
Rated Cooling capacity	kW	9.5	9.5
Rated Heating capacity	kW	11.2	11.2
UK Cooling Total/Sensible	kW	9.10/7.18	9.10/7.18
UK Heating	kW	8.01	.9.30
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.86-4.27 - A+/A+	5.86-4.27 - A+/A+
Weight ID - OD	kg	37 - 68	37 - 68
Dimensions (H x W x D) - ID	mm	235 x 1586 x 690	235 x 1586 x 690
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	517 - 375 - 283	517 - 375 - 283
Outdoor Airflow (High)	m ³ /h - l/s	4080 - 1133	4080 - 1133
Sound pressure level (H-M-L) ID / OD**	dB(A)	44-38-32 - 54/57	44-38-32 - 54/57
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/50 - 30	5/50 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.1/35	R32/2.1/35

* Other control options are available as accessories

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



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

Indoor unit (Ceiling)	RAV-	HM1401CTP-E	HM1401CTP-E
Indoor Unit Retail Price		£1,532	£1,532
Outdoor unit	RAV-	GM1401ATP-E1	GM1401AT8P-E1
Outdoor Unit Retail Price		£2,137	£2,465
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£3,833	£4,161
Rated Cooling capacity	kW	12.1	12.1
Rated Heating capacity	kW	13.0	13.0
UK Cooling Total/Sensible	kW	11.50/8.40	11.50/8.40
UK Heating	kW	9.3	9.3
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.36-4.19 - 211.4/164.6	5.36-4.19 - 211.4/164.6
Weight ID - OD	kg	37 - 68	37 - 68
Dimensions (H x W x D) - ID	mm	235 x 1586 x690	235 x 1586 x690
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	567 - 425 - 333	567 - 425 - 333
Outdoor Airflow (High)	m3/h - l/s	4200 - 1167	4200 - 1167
Sound pressure level (H-M-L) ID / OD**	dB(A)	46-41-35 - 55/57	46-41-35 - 55/57
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/50 - 30	5/50 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.1/35	R32/2.1/35

* Other control options are available as accessories

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

TOSHIBA



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

Indoor unit (Ceiling)	RAV-	HM1601CTP-E	HM1601CTP-E
Indoor Unit Retail Price		£1,561	£1,561
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,874	£3,190
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£4,599	£4,915
Rated Cooling capacity	kW	14.0	14.0
Rated Heating capacity	kW	16.0	16.0
UK Cooling Total/Sensible	kW	13.30/9.30	13.30/9.30
UK Heating	kW	10.88	10.88
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.90-4.35 - 233.0/161.0	5.90-4.35 - 233.0/161.0
Weight ID - OD	kg	37 - 95	37 - 94
Dimensions (H x W x D) - ID	mm	235 x 1586 x690	235 x 1586 x690
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	567 - 425 - 333	567 - 425 - 333
Outdoor Airflow (High)	m ³ /h - l/s	6900 - 1917	6900 - 1917
Sound pressure level (H-M-L) ID / OD**	dB(A)	46-42-36 - 53/55	46-42-36 - 53/55
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/50 - 30	5/50 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.4/35	R32/2.4/35

* Other control options are available as accessories

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



RAV - Slim Ducted - Digital Inverter - Series 1

Indoor Unit (Standard Duct)	RAV-	HM561SDTY-E
Indoor Unit Retail Price		£776
Outdoor Unit	RAV-	GM561ATP-E1
Outdoor Unit Retail Price		£1,165
Controller	RBC-	AMSU52-E
Controller Retail Price		£164
System Retail Price (inc. Controller)*		£2,105
Rated Cooling capacity	kW	5.0
Rated Heating capacity	kW	5.3
UK Cooling Total/Sensible	kW	4.80/3.30
UK Heating	kW	3.79
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.68-4.00 - A+/A+
Weight ID - OD	kg	19 - 38
Dimensions (H x W x D) - ID	mm	210 x 900 x 450
Dimensions (H x W x D) - OD	mm	550 x 780 x 290
Indoor Airflow (H-M-L)	l/s	216 - 198 - 180
External Static Pressure (Upper - Lower)	Pa	(50-10)
Outdoor Airflow (High)	m3/h - l/s	2400 - 667
Sound pressure level (H-M-L) ID / OD**	dB(A)	34-32-29 - 46/48
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16
Interconnecting Cable		(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4
Min/Max Pipe Length - Height	m	5/30 - 30
Chargeless pipe length	m	20
Refrigerant - additional charge	Type/kg/g	R32/1.1/20

* Other control options are available as accessories

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

TOSHIBA



RAV - Standard Ducted - Digital Inverter - Series 1

Indoor Unit (Standard Duct)	RAV-	HM561BTP-E	HM901BTP-E	HM1101BTP-E
Indoor Unit Retail Price		£842	£1,164	£1,243
Outdoor Unit	RAV-	GM561ATP-E1	GM901ATP-E	GM1101ATP-E
Outdoor Unit Retail Price		£1,165	£1,699	£2,028
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£2,171	£3,027	£3,435
Rated Cooling capacity	kW	5.0	8.0	9.5
Rated Heating capacity	kW	5.3	9.0	11.2
UK Cooling Total/Sensible	kW	4.80/3.60	7.83/5.78	9.10/7.37
UK Heating	kW	3.79	6.12	8.01
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.39-4.08 - A/A+	6.10-4.60 - A++/A++	5.28-4.19 - A/A+
Weight ID - OD	kg	23 - 38	40 - 47	40 - 68
Dimensions (H x W x D) - ID	mm	275 x 700 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 800 x 300	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	222 - 175 - 133	472 - 375 - 278	583 - 458 - 350
External Static Pressure (Upper - Lower)	Pa	(120 - 30)	(120 - 30)	(120 - 30)
Outdoor Airflow (High)	m ³ /h - l/s	2400 - 667	2900 - 806	4080 - 1133
Sound pressure level (H-M-L) ID / OD**	dB(A)	33-29-25 - 46/48	37-33-30 - 51/55	40-36-33 - 54/57
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 20	220/240-1-50 & 20
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	20	20	30
Refrigerant - additional charge	Type/kg/g	R32/1.1/20	R32/2.0/35	R32/2.1/35

* Other control options are available as accessories

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



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

Indoor Unit (Standard Duct)	RAV-	HM1101BTP-E	HM1401BTP-E	HM1401BTP-E
Indoor Unit Retail Price		£1,243	£1,386	£1,386
Outdoor Unit	RAV-	GM1101AT8P-E	GM1401ATP-E1	GM1401AT8P-E1
Outdoor Unit Retail Price		£2,341	£2,137	£2,465
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£3,748	£3,687	£4,015
Rated Cooling capacity	kW	9.5	12.1	12.1
Rated Heating capacity	kW	11.2	13.0	13.0
UK Cooling Total/Sensible	kW	9.10/7.37	11.15/8.90	11.15/8.90
UK Heating	kW	8.01	9.3	9.3
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.28-4.19 - A/A+	5.36-4.19 - 211.4/164.6	5.36-4.19 - 211.4/164.6
Weight ID - OD	kg	40 - 68	40 - 68	40 - 68
Dimensions (H x W x D) - ID	mm	275 x 1400 x 750	275 x 1400 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	583 - 458 - 350	583 - 458 - 350	583 - 458 - 350
External Static Pressure (Upper - Lower)	Pa	(120 - 30)	(120 - 30)	(120 - 30)
Outdoor Airflow (High)	m ³ /h - l/s	4080 - 1133	4200 - 1167	4200 - 1167
Sound pressure level (H-M-L) ID / OD**	dB(A)	40-36-33 - 54/57	40-36-33 - 55/57	40-36-33 - 55/57
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 10	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.1/35	R32/2.1/35	R32/2.1/35

* Other control options are available as accessories

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

TOSHIBA



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

Indoor Unit (Standard Duct)	RAV-	HM1601BTP-E	HM1601BTP-E
Indoor Unit Retail Price		£1,513	£1,513
Outdoor Unit	RAV-	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,874	£3,190
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£4,551	£4,867
Rated Cooling capacity	kW	14.0	14.0
Rated Heating capacity	kW	16.0	16.0
UK Cooling Total/Sensible	kW	13.30/9.70	13.30/9.70
UK Heating	kW	10.88	10.88
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.30-3.90 - 209.0/153.0	5.30-3.90 - 209.0/153.0
Weight ID - OD	kg	40 - 95	40 - 94
Dimensions (H x W x D) - ID	mm	275 x 1400 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	583 - 458 - 350	583 - 458 - 350
External Static Pressure (Upper - Lower)	Pa	(120 - 30)	(120 - 30)
Outdoor Airflow (High)	m ³ /h - l/s	6900 - 1917	6900 - 1917
Sound pressure level (H-M-L) ID / OD**	dB(A)	40-36-33 - 53/55	40-36-33 - 53/55
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/50 - 30	5/50 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.4/35	R32/2.4/35

* Other control options are available as accessories

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



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

Indoor Unit (High Static Duct)	RAV-	RM2241DTP-E2	RM2801DTP-E2
Indoor Unit Retail Price		£3,787	£4,013
Outdoor Unit	RAV-	GM2243AT8P-E	GM2803AT8P-E
Outdoor Unit Retail Price		£4,896	£4,970
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£8,847	£9,147
Rated Cooling capacity	kW	19.0	22.5
Rated Heating capacity	kW	22.4	24.0
UK Cooling Total/Sensible	kW	18.56/15.62	21.98/19.54
UK Heating	kW	13.82	14.85
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.30-3.80 - 249.0/149.0	5.50-3.70 - 217.0/145.0
Weight ID - OD	kg	97 - 117	97 - 117
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	890 x 1100 x 460	890 x 1100 x 460
Indoor Airflow (H-M-L)	l/s	1055 - 889 - 694	1333 - 1167 - 972
External Static Pressure (Upper - Lower)	Pa	(250-50)	(250-50)
Outdoor Airflow (High)	m ³ /h - l/s	6600 - 1833	7600 - 2111
Sound pressure level (H-M-L) ID / OD**	dB(A)	44-40-36 - 58/60	46-42-38 - 61/63
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 25	380/415-3-50 & 25
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min/Max Pipe Length - Height	m	5/100 - 30	5/100 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/4.6/80	R32/4.6/80

* Other control options are available as accessories

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

TOSHIBA

RAV - Floor Standing - Digital Inverter - Series 1

Indoor Unit (Floor Standing)	RAV-	HM561FT-E	HM1101FT-E	HM1101FT-E
Indoor Unit Retail Price		£2,077	£2,400	£2,400
Outdoor Unit	RAV-	GM561ATP-E1	GM1101ATP-E	GM1101AT8P-E
Outdoor Unit Retail Price		£1,165	£2,028	£2,341
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£3,406	£4,592	£4,905
Rated Cooling capacity	kW	5.0	9.5	9.5
Rated Heating capacity	kW	5.3	11.2	11.2
UK Cooling Total/Sensible	kW	4.80/3.40	9.00/6.90	9.50/7.10
UK Heating	kW	3.79	8.01	8.01
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.25-4.00 - A/A+	5.16-3.92 - A/A	5.16-3.92 - A/A
Weight ID - OD	kg	44 - 38	59 - 68	59 - 68
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 390	1750 x 600 x 390
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	890 x 900 x 320	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	228 - 194 - 167	461 - 394 - 325	461 - 394 - 325
Outdoor Airflow (High)	m3/h - l/s	2400 - 667	4080 - 1133	4080 - 1133
Sound pressure level (H-M-L) ID / OD**	dB(A)	46-42-38 - 46/48	51-46-41 - 54/57	51-46-41 - 54/57
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 20	380/415-3-50 & 10
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/30 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	20	30	30
Refrigerant - additional charge	Type/kg/g	R32/1.1/20	R32/2.1/35	R32/2.1/35

* Other control options are available as accessories

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

*** TCB-CKC1F-E blanking plate available as accessories (£55)



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

Indoor Unit (Floor Standing)	RAV-	HM1401FT-E	HM1401FT-E
Indoor Unit Retail Price		£2,518	£2,518
Outdoor Unit	RAV-	GM1401ATP-E1	GM1401AT8P-E1
Outdoor Unit Retail Price		£2,137	£2,465
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£4,819	£5,147
Rated Cooling capacity	kW	12.1	12.1
Rated Heating capacity	kW	13.0	13.0
UK Cooling Total/Sensible	kW	11.50/8.20	11.50/8.20
UK Heating	kW	9.30	9.30
SEER - SCOP - Energy Label (or nsc %)	kW/kW	4.86-3.90 - 191.4/153.0	4.86-3.90 - 191.4/153.0
Weight ID - OD	kg	59 - 68	59 - 68
Dimensions (H x W x D) - ID	mm	1750 x 600 x 390	1750 x 600 x 390
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320
Indoor Airflow (H-M-L)	l/s	489 - 411 - 375	489 - 411 - 375
Outdoor Airflow (High)	m ³ /h - l/s	4200 - 1167	4200 - 1167
Sound pressure level (H-M-L) ID / OD**	dB(A)	53-48-45 - 55/57	53-48-45 - 55/57
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	5/50 - 30	5/50 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.1/35	R32/2.1/35

* Other control options are available as accessories

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

*** TCB-KC1F-E blanking plate available as accessories (£55)

TOSHIBA



RAV Twin-Split High-Wall - Digital Inverter - Series 1/3

Indoor unit x2	RAV-	HM301KRTP-E	HM561KRTP-E	HM561KRTP-E
Indoor Unit Retail Price (Each)		£444	£594	£594
Outdoor unit	RAV-	GM561ATP-E1	GM1101ATP-E	GM1101AT8P-E
Outdoor Unit Retail Price		£1,165	£2,028	£2,341
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£2,152	£3,279	£3,583
Rated Cooling capacity	kW	5.0	9.5	9.5
Rated Heating capacity	kW	5.3	11.2	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.19-4.00 - A++/A+	5.32-4.19 - A/A+	5.32-4.19 - A/A+
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	320 x 1050 x 250	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	10 - 38	14 - 68	14 - 68
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 20	380/415-3-50 & 10
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 30/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	20	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/1.1/20-20	R32/2.1/35-20	R32/2.1/35-20

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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



RAV Twin-Split High-Wall - Digital Inverter - Series 1/3 (Continued)

Indoor unit x2	RAV-	HM801KRTP-E	HM801KRTP-E	HM801KRTP-E
Indoor Unit Retail Price (Each)		£640	£640	£640
Outdoor unit	RAV-	GM1401ATP-E1	GM1401AT8P-E1	GM1601ATP-E
Outdoor Unit Retail Price		£2,137	£2,465	£2,874
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£3,475	£3,794	£4,191
Rated Cooling capacity	kW	12.1	12.1	14.0
Rated Heating capacity	kW	13.0	13.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.24-4.19 - 206.6/164.6	5.24-4.17 - 206.6/163.8	5.10-4.00 - 201.0/157.0
Dimensions (H x W x D) - ID	mm	320 x 1050 x 250	320 x 1050 x 250	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	14 - 68	14 - 68	14 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16	220/240-1-50 & 32
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas – liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-35	R32/2.1/35-35	R32/2.4/35-35

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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

TOSHIBA



RAV Twin-Split High-Wall - Digital Inverter - Series 1/3 (Continued)

Indoor unit x2	RAV-	HM801KRTP-E	HM1101KRTP-E
Indoor Unit Retail Price (Each)		£640	£770
Outdoor unit	RAV-	GM1601AT8P-E	GM2243AT8P-E
Outdoor Unit Retail Price		£3,190	£4,896
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£4,498	£6,503
Rated Cooling capacity	kW	14.0	20.0
Rated Heating capacity	kW	16.0	22.4
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.10-4.00 - 201.0/157.0	6.14-3.83 - 242.6/150.2
Dimensions (H x W x D) - ID	mm	320 x 1050 x 250	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	890 x 1100 x 460
Weight ID - OD	kg	14 - 94	24 - 117
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5/100 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.4/35-35	R32/4.6/80-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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



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

Indoor unit x2	RAV-	HM301MUTP-E	HM561MUTP-E	HM561MUTP-E
Indoor Unit Retail Price (Each)		£1,232	£1,261	£1,261
Outdoor unit	RAV-	GM561ATP-E1	GM1101ATP-E	GM1101AT8P-E
Outdoor Unit Retail Price		£1,165	£2,028	£2,341
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£3,682	£4,575	£4,879
Rated Cooling capacity	kW	5.0	9.5	9.5
Rated Heating capacity	kW	5.3	11.2	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.69-4.37 - A+/A+	5.50-4.02 - A/A+	5.50-4.02 - A/A+
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	550 x 780 x 290	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	16 - 38	16 - 68	16 - 68
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 20	380/415-3-50 & 10
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas – liquid)**	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 30/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	20	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/1.1/20-20	R32/2.1/35-20	R32/2.1/35-20

* Other control options are available as accessories

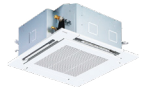
** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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

*-/ Awaiting factory data

TOSHIBA



RAV Twin-Split Standard Cassette - Digital Inverter - Series 1/3

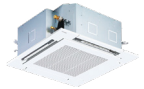
Indoor unit x2	RAV-	HM561UTP-E	HM561UTP-E	HM801UTP-E
Indoor Unit Retail Price (Each)		£1,111	£1,111	£1,194
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E1
Outdoor Unit Retail Price		£2,028	£2,341	£2,137
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£4,283	£4,497	£4,461
Rated Cooling capacity	kW	9.5	9.5	12.0
Rated Heating capacity	kW	11.2	11.2	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.94-4.28 - A+/A+	5.94-4.28 - A+/A+	5.71-4.29 - A+/A+
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	20 - 68	20 - 68	20 - 68
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 32
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.1/35-20	R32/2.1/35-35

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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



RAV Twin-Split Standard Cassette - Digital Inverter - Series 1/3 (Continued)

Indoor unit x2	RAV-	HM801UTP-E	HM801UTP-E	HM801UTP-E
Indoor Unit Retail Price (Each)		£1,194	£1,194	£1,194
Outdoor unit	RAV-	GM1401AT8P-E1	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,465	£2,874	£3,190
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£4,774	£5,163	£5,464
Rated Cooling capacity	kW	12.0	14.0	14.0
Rated Heating capacity	kW	13.0	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.71-4.29 - A+/A+	6.30-4.35 - 249.0/171.0	6.30-4.35 - 249.0/171.0
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	20 - 68	20 - 95	20 - 94
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-35	R32/2.4/35-35	R32/2.4/35-35

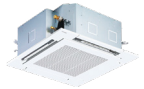
* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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

TOSHIBA



RAV Twin-Split Standard Cassette - Digital Inverter - Series 1/3 (Continued)

Indoor unit x2	RAV-	HM1101UTP-E	HM1401UTP-E
Indoor Unit Retail Price (Each)		£1,302	£1,331
Outdoor unit	RAV-	GM2243AT8P-E	GM2803AT8P-E
Outdoor Unit Retail Price		£4,896	£4,970
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£7,294	£7,420
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	24.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.28-4.11 - 288.2/161.4	6.36-3.95 - 251.4/155.0
Dimensions (H x W x D) - ID	mm	319 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	890 x 1100 x 460	890 x 1100 x 460
Weight ID - OD	kg	24 - 117	24 - 117
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/4.6/80-40	R32/4.6/80-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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



RAV Twin-Split Ceiling - Digital Inverter - Series 1/3

Indoor unit x2	RAV-	HM561CTP-E	HM801CTP-E	HM801CTP-E
Indoor Unit Retail Price (Each)		£943	£1,115	£1,115
Outdoor unit	RAV-	GM1101AT8P-E	GM1401ATP-E1	GM1401AT8P-E1
Outdoor Unit Retail Price		£2,341	£2,137	£2,465
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£4,261	£4,397	£4,716
Rated Cooling capacity	kW	9.5	9.5	12.1
Rated Heating capacity	kW	11.2	11.2	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.86-4.28 - A+/A+	5.86-4.28 - A+/A+	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 1270 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
Weight ID - OD	kg	23 - 68	23 - 68	29 - 68
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 32
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.1/35-20	R32/2.1/35-35

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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

TOSHIBA



RAV Twin-Split Ceiling - Digital Inverter - Series 1/3 (Continued)

Indoor unit x2	RAV-	HM801CTP-E	HM801CTP-E
Indoor Unit Retail Price (Each)		£1,115	£1,115
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,874	£3,190
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£5,113	£5,420
Rated Cooling capacity	kW	14.0	14.0
Rated Heating capacity	kW	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.90-4.10 - 233.0/161.0	5.90-4.10 - 233.0/161.0
Dimensions (H x W x D) - ID	mm	235 x 1270 x 690	235 x 1270 x 690
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	29 - 95	29 - 94
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.4/35-35	R32/2.4/35-35

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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



RAV Twin-Split Ceiling - Digital Inverter - Series 1/3 (Continued)

Indoor unit x2	RAV-	HM1101CTP-E	HM1401CTP-E
Indoor Unit Retail Price (Each)		£1,216	£1,532
Outdoor unit	RAV-	GM2243AT8P-E	GM2803AT8P-E
Outdoor Unit Retail Price		£4,896	£4,970
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£7,369	£8,055
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	24.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.32-3.86 - 249.8/151.4	5.34-3.61 - 210.6/141.4
Dimensions (H x W x D) - ID	mm	235 x 1586 x 690	235 x 1586 x 690
Dimensions (H x W x D) - OD	mm	890 x 1100 x 460	890 x 1100 x 460
Weight ID - OD	kg	37 - 117	37 - 117
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/4.6/80-40	R32/4.6/80-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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

TOSHIBA



RAV Twin-Split Standard Ducted - Digital Inverter - Series 1/3

Indoor unit x2	RAV-	HM561BTP-E	HM561BTP-E	HM801BTP-E
Indoor Unit Retail Price (Each)		£842	£842	£1,087
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E1
Outdoor Unit Retail Price		£2,028	£2,341	£2,137
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£3,761	£4,065	£4,343
Rated Cooling capacity	kW	9.5	9.5	12.1
Rated Heating capacity	kW	11.2	11.2	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.28-4.22 - A/A+	5.28-4.22 - A/A+	5.36-4.21 - 211.4/165.4
Dimensions (H x W x D) - ID	mm	275 x 700 x 750	275 x 700 x 750	275 x 1000 x 750
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	23 - 68	23 - 68	30 - 68
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 32
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.1/35-20	R32/2.1/35-35

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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



RAV Twin-Split Standard Ducted - Digital Inverter - Series 1/3 (Continued)

Indoor unit x2	RAV-	HM801BTP-E	HM801BTP-E	HM801BTP-E
Indoor Unit Retail Price (Each)		£1,087	£1,087	£1,087
Outdoor unit	RAV-	GM1401AT8P-E1	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,465	£2,874	£3,190
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£4,662	£5,059	£5,366
Rated Cooling capacity	kW	12.1	14.0	14.0
Rated Heating capacity	kW	13.0	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.36-4.21 - 211.4/165.4	5.30-3.90 - 209.0/153.0	5.30-3.90 - 209.0/153.0
Dimensions (H x W x D) - ID	mm	275 x 1000 x 750	275 x 1000 x 750	275 x 1000 x 750
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	30 - 68	30 - 95	30 - 94
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-35	R32/2.4/35-35	R32/2.4/35-35

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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

TOSHIBA



RAV Twin-Split Standard Ducted - Digital Inverter - Series 1/3 (Continued)

Indoor unit x2	RAV-	HM1101BTP-E	HM1401BTP-E
Indoor Unit Retail Price (Each)		£1,243	£1,386
Outdoor unit	RAV-	GM2243AT8P-E	GM2803AT8P-E
Outdoor Unit Retail Price		£4,896	£4,970
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£7,421	£7,771
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	24.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.0-3.80 - 237.0/149.0	5.32-3.70 - 209.8/142.0
Dimensions (H x W x D) - ID	mm	275 x 1400 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	890 x 1100 x 460	890 x 1100 x 460
Weight ID - OD	kg	40 - 117	40 - 117
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/4.6/80-40	R32/4.6/80-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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



RAV Twin-Split Floor-Standing - Digital Inverter - Series 1/3

Indoor unit x2	RAV-	HM561FT-E	HM561FT-E	HM801FT-E
Indoor Unit Retail Price (Each)		£2,077	£2,077	£2,225
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E1
Outdoor Unit Retail Price		£2,028	£2,341	£2,137
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£6,159	£6,463	£6,553
Rated Cooling capacity	kW	9.5	9.5	12.1
Rated Heating capacity	kW	11.2	11.2	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.16-3.92 - A/A	5.16-3.92 - A/A	4.86-3.90 - 191.4/153.0
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 210
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	44 - 68	44 - 68	45 - 68
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 32
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.1	R32/2.1

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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

TOSHIBA

RAV Twin-Split Floor-Standing - Digital Inverter - Series 1/3 (Continued)

Indoor unit x2	RAV-	HM801FT-E	HM1101FT-E	HM1401FT-E
Indoor Unit Retail Price (Each)		£2,225	£2,400	£2,518
Outdoor unit	RAV-	GM1401AT8P-E1	GM2243AT8P-E	GM2803AT8P-E
Outdoor Unit Retail Price		£2,465	£4,896	£4,970
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£6,872	£9,669	£9,969
Rated Cooling capacity	kW	12.1	20.0	23.5
Rated Heating capacity	kW	13.0	22.4	24.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	4.86-3.90 - 191.4/153.0	5.77-3.65 - 227.8/143.0	5.12-3.53 - 201.8/138.2
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 390	1750 x 600 x 390
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 1100 x 460	890 x 1100 x 460
Weight ID - OD	kg	45 - 68	59 - 117	59 - 117
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16	380/415-3-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1	R32/4.6/80-40	R32/4.6/80-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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



RAV Triple-Split High-Wall - Digital Inverter - Series 1/3

Indoor unit x3	RAV-	HM301KRTP-E	HM301KRTP-E	HM401KRTP-E
Indoor Unit Retail Price (Each)		£444	£444	£482
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E1
Outdoor Unit Retail Price		£2,028	£2,341	£2,137
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)**		£3,716	£4,020	£3,930
Rated Cooling capacity	kW	9.5	9.5	12.1
Rated Heating capacity	kW	11.2	11.2	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.32-4.19 - A/A+	5.32-4.19 - A/A+	5.24-4.19 - 206.6/164.6
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	10 - 68	10 - 68	10 - 68
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 32
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.1/35-20	R32/2.1/35-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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

TOSHIBA



RAV Triple-Split High-Wall - Digital Inverter - Series 1/3 (Continued)

Indoor unit x3	RAV-	HM401KRTP-E	HM561KRTP-E	HM561KRTP-E
Indoor Unit Retail Price (Each)		£482	£594	£594
Outdoor unit	RAV-	GM1401AT8P-E1	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,465	£2,874	£3,190
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)**		£4,249	£4,973	£5,280
Rated Cooling capacity	kW	12.0	14.0	14.0
Rated Heating capacity	kW	13.0	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.24-4.17 - 206.6/163.8	5.10-4.10 - 201.0/161.0	5.10-4.00 - 201.0/157.0
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	320 x 1050 x 250	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	10 - 68	14 - 95	14 - 94
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.4/35-20	R32/2.4/35-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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



RAV Triple-Split High-Wall - Digital Inverter - Series 1/3 (Continued)

Indoor unit x3	RAV-	HM801KRTP-E	HM801KRTP-E
Indoor Unit Retail Price (Each)		£640	£640
Outdoor unit	RAV-	GM2243AT8P-E	GM2803AT8P-E
Outdoor Unit Retail Price		£4,896	£4,970
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)**		£7,168	£7,240
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	27.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.13-3.83 - 242.2/150.2	5.32-3.59 - 209.8/140.6
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	890 x 1100 x 460	890 x 1100 x 460
Weight ID - OD	kg	14 - 117	14 - 117
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/4.6/80-40	R32/4.6/80-40

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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

TOSHIBA



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

Indoor unit x3	RAV-	HM301MUTP-E	HM301MUTP-E	HM401MUTP-E
Indoor Unit Retail Price (Each)		£1,232	£1,232	£1,243
Outdoor unit	RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E1
Outdoor Unit Retail Price		£2,028	£2,341	£2,137
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)**		£6,011	£6,315	£6,147
Rated Cooling capacity	kW	9.5	9.5	12.0
Rated Heating capacity	kW	11.2	11.2	12.8
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.50-4.02 - A/A+	5.50-4.02 - A/A+	*/-
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	16 - 68	16 - 68	16 - 68
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 32
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.1/35-20	R32/2.1/35-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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

*/- Awaiting factory data



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

Indoor unit x3	RAV-	HM401MUTP-E	HM561MUTP-E	HM561MUTP-E
Indoor Unit Retail Price (Each)		£1,243	£1,261	£1,261
Outdoor unit	RAV-	GM1401AT8P-E1	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,465	£2,874	£3,190
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)**		£6,466	£6,917	£7,224
Rated Cooling capacity	kW	12.0	14.0	14.0
Rated Heating capacity	kW	12.8	16.0	16.0
SEER - SCOP - Energy Label (ornsc %)	kW/kW	*/-	5.10-4.00 - 201.0/157.0	5.10-4.00 - 201.0/157.0
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	16 - 68	16 - 95	16 - 94
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas – liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.4/35-20	R32/2.4/35-20

* Other control options are available as accessories

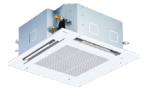
** Branch kit RBC-TRP100E (£305) is included in the system price

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

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

*/- Awaiting factory data

TOSHIBA



RAV Triple-Split Standard Cassette - Digital Inverter - Series 1/3

Indoor unit x3	RAV-	HM561UTP-E	HM561UTP-E
Indoor Unit Retail Price (Each)		£1,111	£1,111
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,874	£3,190
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)**		£6,479	£6,786
Rated Cooling capacity	kW	14.0	14.0
Rated Heating capacity	kW	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.30-4.35 - 249.0/171.0	6.30-4.35 - 249.0/171.0
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	20 - 95	20 - 94
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.4/35-20	R32/2.4/35-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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



RAV Triple-Split Standard Cassette - Digital Inverter - Series 1/3 (Continued)

Indoor unit x3	RAV-	HM801UTP-E	HM801UTP-E
Indoor Unit Retail Price (Each)		£1,194	£1,194
Outdoor unit	RAV-	GM2243AT8P-E	GM2803AT8P-E
Outdoor Unit Retail Price		£4,896	£4,970
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)**		£8,782	£8,854
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	24.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.25-4.11 - 287.0/161.4	6.33-3.95 - 250.2/155.0
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	890 x 1100 x 460	890 x 1100 x 460
Weight ID - OD	kg	20 - 117	20 - 117
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas – liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/4.6/80-40	R32/4.6/80-40

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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

TOSHIBA



RAV Triple-Split Ceiling - Digital Inverter - Series 1/3

Indoor unit x3	RAV-	HM401CTP-E	HM401CTP-E	HM561CTP-E
Indoor Unit Retail Price (Each)		£864	£864	£943
Outdoor unit	RAV-	GM1401ATP-E1	GM1401AT8P-E1	GM1601ATP-E
Outdoor Unit Retail Price		£2,137	£2,465	£2,874
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)**		£5,043	£5,362	£5,990
Rated Cooling capacity	kW	12.1	12.1	14.0
Rated Heating capacity	kW	12.8	12.8	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.36-4.19 - 211.4/164.6	5.36-4.19 - 211.4/164.6	5.90-4.10 - 233.0/161.0
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 950 x 690	235 x 950 x 690
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	23 - 68	23 - 68	23 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16	220/240-1-50 & 32
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20	R32/2.1/35-20	R32/2.4/35-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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



RAV Triple-Split Ceiling - Digital Inverter - Series 1/3 (Continued)

Indoor unit x3	RAV-	HM561CTP-E	HM801CTP-E	HM801CTP-E
Indoor Unit Retail Price (Each)		£943	£1,115	£1,115
Outdoor unit	RAV-	GM1601AT8P-E	GM2243AT8P-E	GM2803AT8P-E
Outdoor Unit Retail Price		£3,190	£4,896	£4,970
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)**		£6,297	£8,551	£8,623
Rated Cooling capacity	kW	14.0	20.0	23.5
Rated Heating capacity	kW	16.0	22.4	24.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.90-4.10 - 233.0/161.0	6.27-3.86 - 247.8/151.4	5.29-3.61 - 208.6/141.4
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	890 x 1100 x 460	890 x 1100 x 460
Weight ID - OD	kg	23 - 94	29 - 117	29 - 117
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16	380/415-3-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas – liquid)**	inch	5/8 - 3/8	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.4/35-20	R32/4.6/80-40	R32/4.6/80-40

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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

TOSHIBA



RAV Triple-Split Slim Ducted - Digital Inverter - Series 3

Indoor unit x3	RAV-	HM801SDTY-E	HM801SDTY-E
Indoor Unit Retail Price (Each)		£869	£869
Outdoor unit	RAV-	GM2243AT8P-E	GM2803AT8P-E
Outdoor Unit Retail Price		£4,896	£4,970
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)**		£7,834	£7,906
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	24.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.09-3.93 - 240.6/154.2	5.03-3.53 - 198.2/138.2
Dimensions (H x W x D) - ID	mm	210 x 900 x 450	210 x 1100 x 450
Dimensions (H x W x D) - OD	mm	890 x 1100 x 460	890 x 1100 x 460
Weight ID - OD	kg	19 -117	22 -117
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas – liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/4.6/80-40	R32/4.6/80-40

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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



RAV Triple-Split Standard Ducted - Digital Inverter - Series 1/3

Indoor unit x3	RAV-	HM561BTP-E	HM561BTP-E
Indoor Unit Retail Price (Each)		£842	£842
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,874	£3,190
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)**		£5,696	£6,003
Rated Cooling capacity	kW	14.0	14.0
Rated Heating capacity	kW	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.30-3.90 - 209.0/153.0	5.30-3.90 - 209.0/153.0
Dimensions (H x W x D) - ID	mm	275 x 700 x 750	275 x 700 x 750
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	23 - 95	23 - 94
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas – liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.4/35-20	R32/2.4/35-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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

TOSHIBA



RAV Triple-Split Standard Ducted - Digital Inverter - Series 1/3 (Continued)

Indoor unit x3	RAV-	HM801BTP-E	HM801BTP-E
Indoor Unit Retail Price (Each)		£1,087	£1,087
Outdoor unit	RAV-	GM2243AT8P-E	GM2803AT8P-E
Outdoor Unit Retail Price		£4,896	£4,970
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)**		£8,470	£8,542
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	24.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.95-3.80 - 235.0/149.0	5.29-3.70 - 208.6/145.0
Dimensions (H x W x D) - ID	mm	275 x 1000 x 750	275 x 1000 x 750
Dimensions (H x W x D) - OD	mm	890 x 1100 x 460	890 x 1100 x 460
Weight ID - OD	kg	30 - 117	30 - 117
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/4.6/80-40	R32/4.6/80-40

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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



RAV Triple-Split Floor-Standing - Digital Inverter - Series 3

Indoor unit x3	RAV-	HM801FT-E	HM801FT-E
Indoor Unit Retail Price (Each)		£2,225	£2,225
Outdoor unit	RAV-	GM2243AT8P-E	GM2803AT8P-E
Outdoor Unit Retail Price		£4,896	£4,970
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)**		£11,785	£11,857
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	24.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.70-3.65 - 225.0/143.0	5.07-3.53 - 199.8/138.2
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 210
Dimensions (H x W x D) - OD	mm	890 x 1100 x 460	890 x 1100 x 460
Weight ID - OD	kg	45 - 117	45 - 117
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas – liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/4.6/80-40	R32/4.6/80-40

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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

TOSHIBA



RAV Quad-Split High-Wall - Digital Inverter - Series 1/3

Indoor unit x4	RAV-	HM301KRTP-E	HM301KRTP-E	HM401KRTP-E
Indoor Unit Retail Price (Each)		£444	£444	£482
Outdoor unit	RAV-	GM1401ATP-E1	GM1401AT8P-E1	GM1601ATP-E
Outdoor Unit Retail Price		£2,137	£2,465	£2,874
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)**		£3,957	£4,276	£4,817
Rated Cooling capacity	kW	12.1	12.1	14.0
Rated Heating capacity	kW	13.0	13.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.24-4.19 - 206.6/164.6	5.24-4.19 - 206.6/164.6	5.10-4.10 - 201.0/161.0
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	10 - 68	10 - 68	10 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16	220/240-1-50 & 32
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20-20	R32/2.1/35-20-20	R32/2.4/35-20-20

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£328) not included, pipe connectors can be obtained locally

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

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



RAV Quad-Split High-Wall - Digital Inverter - Series 1/3 (Continued)

Indoor unit x4	RAV-	HM401KRTP-E	HM561KRTP-E	HM801KRTP-E
Indoor Unit Retail Price (Each)		£482	£594	£640
Outdoor unit	RAV-	GM1601AT8P-E	GM2243AT8P-E	GM2803AT8P-E
Outdoor Unit Retail Price		£3,190	£4,896	£4,970
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)**		£5,124	£7,313	£7,565
Rated Cooling capacity	kW	14.0	20.0	23.5
Rated Heating capacity	kW	16.0	22.4	24.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.10-4.10 - 201.0/161.0	6.10-3.82 - 241.0/149.8	5.32-3.59 - 209.8/140.6
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	320 x 1050 x 250	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	890 x 1100 x 460	890 x 1100 x 460
Weight ID - OD	kg	10 - 94	14 - 117	14 - 117
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16	380/415-3-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas – liquid)**	inch	5/8 - 3/8	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.4/35-20-20	R32/4.6/80-40	R32/4.6/80-40

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£328) not included, pipe connectors can be obtained locally

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

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

TOSHIBA



RAV Quad-Split Compact Cassette - Digital Inverter - Series 1/3

Indoor unit x4	RAV-	HM301MUTP-E	HM301MUTP-E	HM401MUTP-E
Indoor Unit Retail Price (Each)		£1,232	£1,232	£1,243
Outdoor unit	RAV-	GM1401ATP-E1	GM1401AT8P-E1	GM1601ATP-E
Outdoor Unit Retail Price		£2,137	£2,465	£2,874
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)**		£7,017	£7,336	£7,773
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	*/-	*/-	5.10-4.00 - 201.0/157.0
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	16 - 68	16 - 68	16 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16	220/240-1-50 & 32
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.1/35-20-20	R32/2.1/35-20-20	R32/2.4/35-20-20

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£328) not included, pipe connectors can be obtained locally

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

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

*/- Awaiting factory data



RAV Quad-Split Compact Cassette - Digital Inverter - Series 1/3 (Continued)

Indoor unit x4	RAV-	HM401MUTP-E	HM561MUTP-E
Indoor Unit Retail Price (Each)		£1,243	£1,261
Outdoor unit	RAV-	GM1601AT8P-E	GM2243AT8P-E
Outdoor Unit Retail Price		£3,190	£4,896
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)**		£8,080	£9,905
Rated Cooling capacity	kW	14.0	20.0
Rated Heating capacity	kW	16.0	22.4
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.10-4.00 - 201.0/157.0	6.59-4.07 - 260.6/159.8
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	890 x 1100 x 460
Weight ID - OD	kg	16 - 94	16 - 117
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas – liquid)**	inch	5/8 - 3/8	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.4/35-20-20	R32/4.6/80-40

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£328) not included, pipe connectors can be obtained locally

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

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

*-/ Awaiting factory data

TOSHIBA



RAV Quad-Split Standard Cassette - Digital Inverter - Series 3

Indoor unit x4	RAV-	HM561UTP-E	HM801UTP-E
Indoor Unit Retail Price (Each)		£1,111	£1,194
Outdoor unit	RAV-	GM2243AT8P-E	GM2803AT8P-E
Outdoor Unit Retail Price		£4,850	£4,922
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)**		£9,321	£9,717
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	24.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.19-4.11 - 284.6/161.4	6.30-3.95 - 249.0/155.0
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	890 x 1100 x 460	890 x 1100 x 460
Weight ID - OD	kg	20 - 117	20 - 117
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/4.6/80-40	R32/4.6/80-40

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£328) not included, pipe connectors can be obtained locally

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

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



RAV Quad-Split Ceiling - Digital Inverter - Series 1/3

Indoor unit x4	RAV-	HM401CTP-E	HM401CTP-E
Indoor Unit Retail Price (Each)		£864	£864
Outdoor unit	RAV-	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,874	£3,190
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)**		£6,301	£6,608
Rated Cooling capacity	kW	14.0	14.0
Rated Heating capacity	kW	16.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.90-4.19 - 233/164.6	5.90-4.19 - 233/164.6
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 950 x 690
Dimensions (H x W x D) - OD	mm	890 x 900 x 320	890 x 900 x 320
Weight ID - OD	kg	23 - 68	23 - 68
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas – liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	5 - 50/30	5 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.4/35-20-20	R32/2.4/35-20-20

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£328) not included, pipe connectors can be obtained locally

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

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

TOSHIBA



RAV Quad-Split Ceiling - Digital Inverter - Series 1/3 (Continued)

Indoor unit x4	RAV-	HM561CTP-E	HM801CTP-E
Indoor Unit Retail Price (Each)		£943	£1,115
Outdoor unit	RAV-	GM2243AT8P-E	GM2803AT8P-E
Outdoor Unit Retail Price		£4,896	£4,970
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)**		£8,669	£9,409
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	24.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.25-3.86 - 247.0/151.4	5.26-3.61 - 207.4/141.4
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 1270 x 690
Dimensions (H x W x D) - OD	mm	890 x 1100 x 460	890 x 1100 x 460
Weight ID - OD	kg	29 - 117	29 - 117
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/4.6/80-40	R32/4.6/80-40

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£328) not included, pipe connectors can be obtained locally

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

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



RAV Quad-Split Slim Ducted - Digital Inverter - Series 3

Indoor unit x4	RAV-	HM561SDTY-E	HM801SDTY-E
Indoor Unit Retail Price (Each)		£776	£869
Outdoor unit	RAV-	GM2243AT8P-E	GM2803AT8P-E
Outdoor Unit Retail Price		£4,896	£4,970
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)**		£8,021	£8,453
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	24.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.04-3.90 - 238.6/153.0	5.00-3.51 - 197.0/137.4
Dimensions (H x W x D) - ID	mm	210 x 900 x 450	210 x 1100 x 450
Dimensions (H x W x D) - OD	mm	890 x 1100 x 460	890 x 1100 x 460
Weight ID - OD	kg	19 -117	22 -117
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas – liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/4.6/80-40	R32/4.6/80-40

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£328) not included, pipe connectors can be obtained locally

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

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

TOSHIBA



RAV Quad-Split Standard Ducted - Digital Inverter - Series 3

Indoor unit x4	RAV-	HM561BTP-E	HM801BTP-E
Indoor Unit Retail Price (Each)		£842	£1,087
Outdoor unit	RAV-	GM2243AT8P-E	GM2803AT8P-E
Outdoor Unit Retail Price		£4,896	£4,970
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)**		£8,277	£9,301
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	24.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.93-3.80 - 234.2/149.0	5.26-3.70 - 207.4/145.0
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	890 x 1100 x 460	890 x 1100 x 460
Weight ID - OD	kg	29 - 117	29 - 117
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/4.6/80-40	R32/4.6/80-40

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£328) not included, pipe connectors can be obtained locally

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

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



RAV Quad-Split Floor-Standing - Digital Inverter - Series 3

Indoor unit x4	RAV-	HM561FT-E	HM801FT-E
Indoor Unit Retail Price (Each)		£2,077	£2,225
Outdoor unit	RAV-	GM2243AT8P-E	GM2803AT8P-E
Outdoor Unit Retail Price		£4,896	£4,970
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)**		£13,073	£13,721
Rated Cooling capacity	kW	20.0	23.5
Rated Heating capacity	kW	22.4	24.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.66-3.63 - 223.4/142.2	5.07-3.51 - 199.8/137.4
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	890 x 1100 x 460	890 x 1100 x 460
Weight ID - OD	kg	29 - 117	29 - 117
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas – liquid)**	inch	1 1/8 - 1/2	1 1/8 - 1/2
Min-Max pipe length / Max Height Difference	m	5 - 100/30	5 - 100/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/4.6/80-40	R32/4.6/80-40

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£328) not included, pipe connectors can be obtained locally

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

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

TOSHIBA



RAV High-Wall - Super Digital Inverter Series 1

Indoor Unit (High-wall)	RAV-	HM561KRTP-E	HM801KRTP-E	HM1101KRTP-E	HM1101KRTP-E
Indoor Unit Retail Price		£594	£640	£770	£770
Outdoor Unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,544	£2,247	£3,254	£3,445
System Retail Price*		£2,138	£2,887	£4,024	£4,215
Rated Cooling capacity	kW	5.0	7.1	10.0	10.0
Rated Heating capacity	kW	5.6	8.0	11.2	11.2
UK Cooling Total/Sensible	kW	4.81/3.66	6.83/5.02	9.50/6.70	9.50/6.70
UK Heating	kW	3.55	5.07	8.00	8.00
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.84-4.19 - A++/A+	7.56-4.16 - A++/A+	7.36-4.42 - A++/A+	6.53-4.22 - A++/A+
Weight ID - OD	kg	14 - 45	14 - 74	19 - 104	19 - 95
Dimensions (H x W x D) - ID	mm	320 x 1050 x 250	320 x 1050 x 250	348 x 1200 x 280	348 x 1200 x 280
Dimensions (H x W x D) - OD	mm	630 x 799 x 299	1050 x 1010 x 370	1550 x 1010 x 370	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	267 - 231 - 189	289 - 253 - 189	447 - 375 - 328	447 - 375 - 328
Outdoor Airflow (High)	m ³ /h - l/s	2250 - 625	3180 - 883	6960 - 1933	6060 - 1683
Sound pressure level (H-M-L) ID / OD**	dB(A)	42-39-35 - 46/48	45-41-35 - 46/48	49-45-41 - 49/50	49-45-41 - 49/50
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20	380/415-3-50 & 10
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/50 - 30	3/50 - 30	3/75 - 30	3/75 - 30
Chargeless pipe length	m	20	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/1.35/20	R32/1.9/35	R32/3.1/35	R32/2.6/40

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

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

*** Other control options are available as accessories



RAV Smart Cassette - Super Digital Inverter - Series 1

Indoor unit (Smart Cassette)	RAV-	HM561UT-E	HM801UT-E
Fascia Panel	RBC-	U41PG(W)-E	U41PG(W)-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,363	£1,623
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E
Outdoor Unit Retail Price		£1,544	£2,247
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Fascia Panel & Controller)*		£3,071	£4,034
Rated Cooling capacity	kW	5.0	7.1
Rated Heating capacity	kW	5.6	8.0
UK Cooling Total/Sensible	kW	4.8/4.0	7.4/6.2
UK Heating	kW	3.55	5.25
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.17-5.02 - A++/A++	9.72-5.54 - A+++/A+++
Weight ID - OD	kg	20 - 45	25 - 74
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	630 x 799 x 299	1050 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	291 - 250 - 208	533 - 360 - 225
Outdoor Airflow (High)	m ³ /h - l/s	2250 - 625	3180 - 883
Sound pressure level (H-M-L) ID / OD**	dB(A)	32-29-26 - 46/48	42-35-27 - 46/48
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/50 - 30	3/50 - 30
Chargeless pipe length	m	20	30
Refrigerant - additional charge	Type/kg/g	R32/1.35/20	R32/1.9/35

* Other control options are available as accessories

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

TOSHIBA



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

Indoor unit (Smart Cassette)	RAV-	HM1101UT-E	HM1401UT-E
Fascia Panel	RBC-	U41PG(W)-E	U41PG(W)-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,660	£1,697
Outdoor unit	RAV-	GP1101AT-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,254	£3,573
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Fascia Panel & Controller)*		£5,078	£5,434
Rated Cooling capacity	kW	10.0	12.5
Rated Heating capacity	kW	11.2	14.0
UK Cooling Total/Sensible	kW	9.5/8.0	11.9/9.4
UK Heating	kW	8.00	9.76
SEER - SCOP - Energy Label (or nsc %)	kW/kW	9.25-5.03 - A+++/A++	8.87-5.00 - 351.8/197.0
Weight ID - OD	kg	25 - 104	25 - 104
Dimensions (H x W x D) - ID	mm	319 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	625 - 458 - 291	625 - 475 - 325
Outdoor Airflow (High)	m ³ /h - l/s	6960 - 1933	6960 - 1933
Sound pressure level (H-M-L) ID / OD**	dB(A)	48-40-31 - 49/50	48-41-33 - 50/51
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 20	220/240-1-50 & 20
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/3.1/35	R32/3.1/35

* Other control options are available as accessories

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



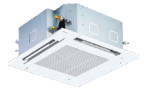
RAV Compact Cassette - Super Digital Inverter - Series 1

Indoor unit (600x600 Cassette)	RAV-	HM561MUTP-E
Fascia Panel	RBC-	UM21P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,261
Outdoor unit	RAV-	GP561ATW-E
Outdoor Unit Retail Price		£1,544
Controller	RBC-	AMSU52-E
Controller Retail Price		£164
System Retail Price (inc. Fascia Panel & Controller)*		£2,969
Rated Cooling capacity	kW	5.0
Rated Heating capacity	kW	5.6
UK Cooling Total/Sensible	kW	4.80/3.60
UK Heating	kW	3.55
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.27-4.32 - A++/A+
Weight ID - OD	kg	16 - 45
Dimensions (H x W x D) - ID	mm	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	630 x 799 x 299
Indoor Airflow (H-M-L)	l/s	221 - 187 - 152
Outdoor Airflow (High)	m ³ /h - l/s	2250 - 625
Sound pressure level (H-M-L) ID / OD**	dB(A)	44-39-35 - 46/48
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16
Interconnecting Cable		(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4
Min/Max Pipe Length - Height	m	3/50 - 30
Chargeless pipe length	m	20
Refrigerant - additional charge	Type/kg/g	R32/1.35/20

* Other control options are available as accessories

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

TOSHIBA



RAV Standard Cassette - Super Digital Inverter - Series 1

Indoor unit (4-Way Cassette)	RAV-	HM561UTP-E	HM801UTP-E
Fascia Panel	RBC-	U33P-E	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,111	£1,194
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E
Outdoor Unit Retail Price		£1,544	£2,247
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Fascia Panel & Controller)*		£2,819	£3,605
Rated Cooling capacity	kW	5.0	7.1
Rated Heating capacity	kW	5.6	8.0
UK Cooling Total/Sensible	kW	4.80/3.90	7.40/6.20
UK Heating	kW	3.55	5.25
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.73-4.98 - A++/A++	8.96-5.24 - A+++/A+++
Weight ID - OD	kg	20 - 45	20 - 74
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	630 x 799 x 299	1050 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	292 - 242 - 217	342 - 267 - 225
Outdoor Airflow (High)	m ³ /h - l/s	2250 - 625	3180 - 883
Sound pressure level (H-M-L) ID / OD**	dB(A)	32-29-28 - 46/48	35-31-28 - 46/48
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/50 - 30	3/50 - 30
Chargeless pipe length	m	20	30
Refrigerant - additional charge	Type/kg/g	R32/1.35/20	R32/1.9/35

* Other control options are available as accessories

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



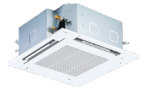
RAV Standard Cassette - Super Digital Inverter - Series 1 (Continued)

Indoor unit (4-Way Cassette)	RAV-	HM1101UTP-E	HM1101UTP-E
Fascia Panel	RBC-	U33P-E	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,302	£1,302
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£3,254	£3,445
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Fascia Panel & Controller)*		£4,720	£4,911
Rated Cooling capacity	kW	10.0	10.0
Rated Heating capacity	kW	11.2	11.2
UK Cooling Total/Sensible	kW	9.50/7.90	9.50/7.90
UK Heating	kW	8.00	7.31
SEER - SCOP - Energy Label (or nsc %)	kW/kW	9.00-4.76 - A+++/A++	7.32-4.38 - A++/A+
Weight ID - OD	kg	24 - 104	24 - 95
Dimensions (H x W x D) - ID	mm	319 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	558 - 400 - 325	558 - 400 - 325
Outdoor Airflow (High)	m ³ /h - l/s	6960 - 1933	6060 - 1683
Sound pressure level (H-M-L) ID / OD**	dB(A)	43-38-33 - 49/50	43-38-33 - 49/50
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/3.1/35	R32/2.6/40

* Other control options are available as accessories

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

TOSHIBA

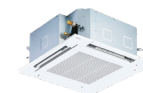


RAV Standard Cassette - Super Digital Inverter - Series 1 (Continued)

Indoor unit (4-Way Cassette)	RAV-	HM1401UTP-E	HM1401UTP-E
Fascia Panel	RBC-	U33P-E	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,331	£1,331
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E1
Outdoor Unit Retail Price		£3,573	£3,596
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Fascia Panel & Controller)*		£5,068	£5,091
Rated Cooling capacity	kW	12.5	12.5
Rated Heating capacity	kW	14.0	14.0
UK Cooling Total/Sensible	kW	11.90/8.80	11.9/8.80
UK Heating	kW	9.76	9.14
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.59-4.75 - 340.6/187.0	7.35-4.38 - 291.0/172.2
Weight ID - OD	kg	24 - 104	24 - 95
Dimensions (H x W x D) - ID	mm	319 x 840 x 840	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	583 - 400 - 342	583 - 400 - 342
Outdoor Airflow (High)	m ³ /h - l/s	6960 - 1933	6180 - 1717
Sound pressure level (H-M-L) ID / OD**	dB(A)	44-38-34 - 50/51	44-38-34 - 51/52
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 25	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/3.1/35	R32/2.6/40

* Other control options are available as accessories

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



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

Indoor unit (4-Way Cassette)	RAV-	HM1601UTP-E
Fascia Panel	RBC-	U33P-E
Indoor Unit Retail Price (inc. Fascia Panel)		£1,424
Outdoor unit	RAV-	GP1601AT8-E
Outdoor Unit Retail Price		£3,824
Controller	RBC-	AMSU52-E
Controller Retail Price		£164
System Retail Price (inc. Fascia Panel & Controller)*		£5,412
Rated Cooling capacity	kW	14.0
Rated Heating capacity	kW	16.0
UK Cooling Total/Sensible	kW	13.3/9.70
UK Heating	kW	10.45
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.99-4.38 - 276.6/172.2
Weight ID - OD	kg	24 - 95
Dimensions (H x W x D) - ID	mm	319 x 840 x 840
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	592 - 408 - 350
Outdoor Airflow (High)	m ³ /h - l/s	6180 - 1717
Sound pressure level (H-M-L) ID / OD**	dB(A)	45-40-36 - 51/53
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 16
Interconnecting Cable		(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30
Chargeless pipe length	m	30
Refrigerant - additional charge	Type/kg/g	R32/2.6/40

* Other control options are available as accessories

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

TOSHIBA



RAV - Ceiling Type - Super Digital Inverter - Series 1

Indoor unit (Ceiling)	RAV-	HM561CTP-E	HM801CTP-E	HM1101CTP-E
Indoor Unit Retail Price		£943	£1,115	£1,216
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E
Outdoor Unit Retail Price		£1,544	£2,247	£3,254
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£2,651	£3,526	£4,634
Rated Cooling capacity	kW	5.0	7.1	10.0
Rated Heating capacity	kW	5.6	8.0	11.2
UK Cooling Total/Sensible	kW	4.80/3.90	7.40/5.50	9.50/7.90
UK Heating	kW	3.55	5.25	8.00
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.93-4.73 - A++/A++	8.35-5.10 - A++/A++	8.58-4.75 - A+++/A++
Weight ID - OD	kg	23 - 45	29 - 74	37 - 104
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 1270 x 690	235 x 1586 x 690
Dimensions (H x W x D) - OD	mm	630 x 799 x 299	1050 x 1010 x 370	1550 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	250 - 200 - 150	392 - 278 - 208	517 - 375 - 283
Outdoor Airflow (High)	m ³ /h - l/s	2250 - 625	3180 - 883	6960 - 1933
Sound pressure level (H-M-L) ID / OD**	dB(A)	37-35-28 - 46/48	41-36-29 - 46/48	44-38-32 - 49/50
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/50 - 30	3/50 - 30	3/75 - 30
Chargeless pipe length	m	20	30	30
Refrigerant - additional charge	Type/kg/g	R32/1.35/20	R32/1.9/35	R32/3.1/35

* Other control options are available as accessories

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



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

Indoor unit (Ceiling)	RAV-	HM1101CTP-E	HM1401CTP-E
Indoor Unit Retail Price		£1,216	£1,532
Outdoor unit	RAV-	GP1101AT8-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,445	£3,573
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£4,825	£5,269
Rated Cooling capacity	kW	10.0	12.5
Rated Heating capacity	kW	11.2	14.0
UK Cooling Total/Sensible	kW	9.50/7.90	11.90/8.90
UK Heating	kW	7.30	9.76
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.80-4.23 - A++/A+	7.99-4.74 - 316.6/186.6
Weight ID - OD	kg	37 - 95	37 - 104
Dimensions (H x W x D) - ID	mm	235 x 1586 x 690	235 x 1586 x 690
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1550 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	517 - 375 - 283	567 - 425 - 333
Outdoor Airflow (High)	m ³ /h - l/s	6060 - 1683	6960 - 1933
Sound pressure level (H-M-L) ID / OD**	dB(A)	44-38-32 - 49/50	46-41-35 - 50/51
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 10	220/240-1-50 & 25
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.6/40	R32/3.1/35

* Other control options are available as accessories

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

TOSHIBA

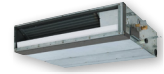


RAV - Ceiling Type - Super Digital Inverter - Series 1 (Continued)

Indoor unit (Ceiling)	RAV-	HM1401CTP-E	HM1601CTP-E
Indoor Unit Retail Price		£1,532	£1,561
Outdoor unit	RAV-	GP1401AT8-E1	GP1601AT8-E
Outdoor Unit Retail Price		£3,596	£3,824
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£5,292	£5,549
Rated Cooling capacity	kW	12.5	14.0
Rated Heating capacity	kW	14.0	16.0
UK Cooling Total/Sensible	kW	11.90/8.90	13.30/9.30
UK Heating	kW	9.14	10.45
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.60-4.22 - 261.0/165.8	6.24-4.21 - 246.6/165.4
Weight ID - OD	kg	37 - 95	37 - 95
Dimensions (H x W x D) - ID	mm	235 x 1586 x690	235 x 1586 x690
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	567 - 425 - 333	567 - 425 - 333
Outdoor Airflow (High)	m3/h - l/s	6180 - 1717	6180 - 1717
Sound pressure level (H-M-L) ID / OD**	dB(A)	46-41-35 - 51/52	46-42-36 - 51/53
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.6/40	R32/2.6/40

* Other control options are available as accessories

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



RAV - Slim Ducted - Super Digital Inverter - Series 1

Indoor unit (Slim Duct)	RAV-	HM561SDTY-E	HM801SDTY-E
Indoor Unit Retail Price		£776	£869
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E
Outdoor Unit Retail Price		£1,544	£2,247
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£2,484	£3,280
Rated Cooling capacity	kW	5.0	7.1
Rated Heating capacity	kW	5.6	8.0
UK Cooling Total/Sensible	kW	4.32/3.24	6.66/4.77
UK Heating	kW	3.20	4.64
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.15 - 4.23 - A++/A+	6.68 - 4.27 - A++/A+
Weight ID - OD	kg	19 - 45	22 - 74
Dimensions (H x W x D) - ID	mm	210 x 700 x 450	210 x 700 x 450
Dimensions (H x W x D) - OD	mm	630 x 799 x 299	1050 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	216 - 198 - 180	316 - 284 - 252
External Static Pressure (Upper - Lower)	Pa	(50-10)	(50-10)
Outdoor Airflow (High)	m ³ /h - l/s	2250 - 625	3180 - 883
Sound pressure level (H-M-L) ID / OD**	dB(A)	34-32-29 - 46/48	37-34-32 - 46/48
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/50 - 30	3/50 - 30
Chargeless pipe length	m	20	30
Refrigerant - additional charge	Type/kg/g	R32/1.35/20	R32/1.9/35

* Other control options are available as accessories

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

TOSHIBA



RAV - Standard Ducted - Super Digital Inverter - Series 1

Indoor unit (Standard Duct)	RAV-	HM561BTP-E	HM801BTP-E	HM1101BTP-E
Indoor Unit Retail Price		£842	£1,087	£1,243
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E
Outdoor Unit Retail Price		£1,544	£2,247	£3,254
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£2,550	£3,498	£4,661
Rated Cooling capacity	kW	5.0	7.1	10.0
Rated Heating capacity	kW	5.6	8.0	11.2
UK Cooling Total/Sensible	kW	4.80/4.00	7.40/5.30	9.50/7.90
UK Heating	kW	3.55	5.15	8.00
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.81-4.27 - A+/A+	7.86-4.85 - A++/A++	7.19-4.30 - A++/A+
Weight ID - OD	kg	23 - 45	30 - 74	40 - 104
Dimensions (H x W x D) - ID	mm	275 x 700 x 750	275 x 1000 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	630 x 799 x 299	1050 x 1010 x 370	1550 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	222 - 175 - 133	333 - 258 - 208	583 - 458 - 350
External Static Pressure (Upper - Lower)	Pa	(120 - 30)	(120 - 30)	(120 - 30)
Outdoor Airflow (High)	m ³ /h - l/s	2250 - 625	3180 - 883	6960 - 1933
Sound pressure level (H-M-L) ID / OD**	dB(A)	33-29-25 - 46/48	34-30-26 - 46/48	40-36-33 - 49/50
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/50 - 30	3/50 - 30	3/75 - 30
Chargeless pipe length	m	20	30	30
Refrigerant - additional charge	Type/kg/g	R32/1.35/20	R32/1.9/35	R32/3.1/35

* Other control options are available as accessories

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



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

Indoor unit (Standard Duct)	RAV-	HM1101BTP-E	HM1401BTP-E
Indoor Unit Retail Price		£1,243	£1,386
Outdoor unit	RAV-	GP1101AT8-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,445	£3,573
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£4,852	£5,123
Rated Cooling capacity	kW	10.0	12.5
Rated Heating capacity	kW	11.2	14.0
UK Cooling Total/Sensible	kW	9.50/7.90	11.90/9.00
UK Heating	kW	7.31	9.76
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.10-4.19 - A+/A+	6.77-4.29 - 267.8/168.6
Weight ID - OD	kg	40 - 95	40 - 104
Dimensions (H x W x D) - ID	mm	275 x 1400 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1550 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	583 - 458 - 350	583 - 458 - 350
External Static Pressure (Upper - Lower)	Pa	(120 - 30)	(120 - 30)
Outdoor Airflow (High)	m3/h - l/s	6060 - 1683	6960 - 1933
Sound pressure level (H-M-L) ID / OD**	dB(A)	40-36-33 - 49/50	40-36-33 - 50/51
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 10	220/240-1-50 & 25
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.6/40	R32/3.1/35

* Other control options are available as accessories

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

TOSHIBA



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

Indoor unit (Standard Duct)	RAV-	HM1401BTP-E	HM1601BTP-E
Indoor Unit Retail Price		£1,386	£1,513
Outdoor unit	RAV-	GP1401AT8-E1	GP1601AT8-E
Outdoor Unit Retail Price		£3,596	£3,824
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£5,146	£5,501
Rated Cooling capacity	kW	12.5	14.0
Rated Heating capacity	kW	14.0	16.0
UK Cooling Total/Sensible	kW	11.90/9.00	13.30/9.70
UK Heating	kW	9.14	10.45
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.03-3.99 - 238.2/156.6	5.82-3.96 - 229.8/155.4
Weight ID - OD	kg	40 - 95	40 - 95
Dimensions (H x W x D) - ID	mm	275 x 1400 x 750	275 x 1400 x 750
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	583 - 458 - 350	583 - 458 - 350
External Static Pressure (Upper - Lower)	Pa	(120 - 30)	(120 - 30)
Outdoor Airflow (High)	m ³ /h - l/s	6180 - 1717	6180 - 1717
Sound pressure level (H-M-L) ID / OD**	dB(A)	40-36-33 - 51/52	40-36-33 - 51/53
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.6/40	R32/2.6/40

* Other control options are available as accessories

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



RAV - Floor Standing - Super Digital Inverter - Series 1

Indoor unit (Floor-Standing)	RAV-	HM561FT-E	HM801FT-E	HM1101FT-E
Indoor Unit Retail Price		£2,077	£2,225	£2,400
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E
Outdoor Unit Retail Price		£1,544	£2,247	£3,254
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£3,785	£4,636	£5,818
Rated Cooling capacity	kW	5.0	7.1	10.0
Rated Heating capacity	kW	5.6	8.0	11.2
UK Cooling Total/Sensible	kW	4.80/3.40	6.70/4.60	9.50/7.10
UK Heating	kW	3.55	5.25	8.00
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.87-4.21 - A+/A+	6.43-4.43 - A++/A+	6.99-4.40 - A++/A+
Weight ID - OD	kg	44 - 45	45 - 74	59 - 104
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 390
Dimensions (H x W x D) - OD	mm	630 x 799 x 299	1050 x 1010 x 370	1550 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	228 - 194 - 167	258 - 214 - 178	461 - 394 - 325
Outdoor Airflow (High)	m ³ /h - l/s	2250 - 625	3180 - 883	6960 - 1933
Sound pressure level (H-M-L) ID / OD**	dB(A)	46-42-38 - 46/48	50-45-41 - 46/48	51-46-41 - 49/50
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20
Interconnecting Cable		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/50 - 30	3/50 - 30	3/75 - 30
Chargeless pipe length	m	20	30	30
Refrigerant - additional charge	Type/kg/g	R32/1.35/20	R32/1.9/35	R32/3.1/35

* Other control options are available as accessories

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

*** TCB-KC1F-E blanking plate available as accessories (£55)

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

Indoor unit (Floor-Standing)	RAV-	HM1101FT-E	HM1401FT-E
Indoor Unit Retail Price		£2,400	£2,518
Outdoor unit	RAV-	GP1101AT8-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,445	£3,573
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£6,009	£6,255
Rated Cooling capacity	kW	10.0	12.3
Rated Heating capacity	kW	11.2	13.2
UK Cooling Total/Sensible	kW	9.50/7.10	11.90/8.30
UK Heating	kW	7.31	9.76
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.14-4.02 - A++/A+	6.49-4.38 - 256.6/172.2
Weight ID - OD	kg	59 - 95	59 - 104
Dimensions (H x W x D) - ID	mm	1750 x 600 x 390	1750 x 600 x 390
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1550 x 1010 x 370
Indoor Airflow (H-M-L)	l/s	461 - 394 - 325	489 - 411 - 375
Outdoor Airflow (High)	m ³ /h - l/s	6060 - 1683	6960 - 1933
Sound pressure level (H-M-L) ID / OD**	dB(A)	51-46-41 - 49/50	53-48-45 - 50/51
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 10	220/240-1-50 & 25
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.6/40	R32/3.1/35

* Other control options are available as accessories

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

*** TCB-CKC1F-E blanking plate available as accessories (£55)



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

Indoor unit (Floor-Standing)	RAV-	HM1401FT-E	HM1601FT-E
Indoor Unit Retail Price		£2,518	£2,640
Outdoor unit	RAV-	GP1401AT8-E1	GP1601AT8-E
Outdoor Unit Retail Price		£3,596	£3,824
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£6,278	£6,628
Rated Cooling capacity	kW	12.5	14.0
Rated Heating capacity	kW	14.0	16.0
UK Cooling Total/Sensible	kW	11.90/8.30	13.30/8.90
UK Heating	kW	9.14	10.45
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.10-4.02 - 241.0/157.8	5.88-3.98 - 232.2/156.2
Weight ID - OD	kg	59 - 95	59 - 95
Dimensions (H x W x D) - ID	mm	1750 x 600 x 390	1750 x 600 x 390
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Indoor Airflow (H-M-L)	l/s	489 - 411 - 375	489 - 411 - 375
Outdoor Airflow (High)	m ³ /h - l/s	6180 - 1717	6180 - 1717
Sound pressure level (H-M-L) ID / OD**	dB(A)	53-48-45 - 51/52	53-48-45 - 51/53
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable		(3C+E)	(3C+E)
Flare connections (gas-liquid)	inch	5/8 - 3/8	5/8 - 3/8
Min/Max Pipe Length - Height	m	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.6/40	R32/2.6/40

* Other control options are available as accessories

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

*** TCB-KC1F-E blanking plate available as accessories (£55)

TOSHIBA



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

Indoor unit x2	RAV-	HM301KRTP-E	HM401KRTP-E	HM561KRTP-E
Indoor Unit Retail Price (Each)		£444	£482	£594
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E
Outdoor Unit Retail Price		£1,544	£2,247	£3,254
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£2,520	£3,274	£4,470
Rated Cooling capacity	kW	5.0	6.7	9.5
Rated Heating capacity	kW	5.3	7.7	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.84-4.19 - A++/A+	7.56-4.16 - A++/A+	8.51-4.07 - A+++A+
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	293 x 798 x 230	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	630 x 799 x 299	1050 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	10 - 45	10 - 74	14 - 104
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	20	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/1.35/20-20	R32/1.9/35-20	R32/3.1/35-20

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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



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

Indoor unit x2	RAV-	HM561KRTP-E	HM801KRTP-E
Indoor Unit Retail Price (Each)		£594	£640
Outdoor unit	RAV-	GP1101AT8-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,445	£3,573
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£4,655	£4,869
Rated Cooling capacity	kW	9.5	12.1
Rated Heating capacity	kW	11.2	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.57-4.16 - A++-A+	7.10-4.40 - 281.0-173.0
Dimensions (H x W x D) - ID	mm	320 x 1050 x 250	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1550 x 1010 x 370
Weight ID - OD	kg	14 - 95	14 - 104
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 10	220/240-1-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-20	R32/3.1/35-35

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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

TOSHIBA



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

Indoor unit x2	RAV-	HM801KRTP-E	HM801KRTP-E
Indoor Unit Retail Price (Each)		£640	£640
Outdoor unit	RAV-	GP1401AT8-E1	GP1601AT8-E
Outdoor Unit Retail Price		£3,596	£3,824
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£4,892	£5,113
Rated Cooling capacity	kW	12.1	14.0
Rated Heating capacity	kW	13.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.44-4.14 - 254.6-162.6	6.16-4.11 - 243.4-161.4
Dimensions (H x W x D) - ID	mm	320 x 1050 x 250	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	14 - 95	14 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-40	R32/2.6/40-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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



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

Indoor unit x2	RAV-	HM301MUTP-E	HM401MUTP-E
Indoor Unit Retail Price (Each)		£1,232	£1,243
Outdoor unit	RAV-	GP561ATW-E	GP801ATW-E
Outdoor Unit Retail Price		£1,544	£2,247
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£4,050	£4,752
Rated Cooling capacity	kW	5.0	6.7
Rated Heating capacity	kW	5.3	7.7
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.27-4.32 - A++-A+	7.91-4.87 - A++-A++
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	1050 x 1010 x 370	1050 x 1010 x 370
Weight ID - OD	kg	16 - 74	16 - 74
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/1.35/20-20	R32/1.9/35-20

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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

TOSHIBA



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

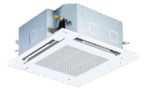
Indoor unit x2	RAV-	HM561MUTP-E	HM561MUTP-E
Indoor Unit Retail Price (Each)		£1,261	£1,261
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£3,254	£3,445
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£5,766	£5,951
Rated Cooling capacity	kW	9.5	9.5
Rated Heating capacity	kW	11.2	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.93-4.42 - A++-A+	6.32-3.94 - A++-A
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320
Weight ID - OD	kg	16 - 104	16 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-20	R32/2.6/40-20

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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



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

Indoor unit x2	RAV-	HM561UTP-E	HM561UTP-E	HM801UTP-E
Indoor Unit Retail Price (Each)		£1,111	£1,111	£1,194
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,254	£3,445	£3,573
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£5,474	£5,659	£5,945
Rated Cooling capacity	kW	9.5	9.5	12.0
Rated Heating capacity	kW	11.2	11.2	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.88-4.76 - A+++A++	8.53-4.75 - 338.2-187	7.21-4.38 - A+++A+
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370	1340 x 900 x 320
Weight ID - OD	kg	20 - 104	20 - 104	20 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-20	R32/3.1/35-35	R32/2.6/40-20

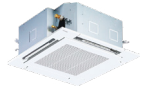
* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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

TOSHIBA



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

Indoor unit x2	RAV-	HM801UTP-E	HM801UTP-E
Indoor Unit Retail Price (Each)		£1,194	£1,194
Outdoor unit	RAV-	GP1401AT8-E1	GP1601AT8-E
Outdoor Unit Retail Price		£3,596	£3,824
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£5,968	£6,189
Rated Cooling capacity	kW	12.0	14.0
Rated Heating capacity	kW	13.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.29-4.38 - 288.6-172.2	6.95-4.38 - 275.0-172.2
Dimensions (H x W x D) - ID	mm	256 x 840 x 840	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	20 - 95	20 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-40	R32/2.6/40-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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



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

Indoor unit x2	RAV-	HM401CTP-E	HM561CTP-E	HM561CTP-E
Indoor Unit Retail Price (Each)		£864	£943	£943
Outdoor unit	RAV-	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£2,247	£3,254	£3,445
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£4,016	£5,148	£5,333
Rated Cooling capacity	kW	6.9	9.5	9.5
Rated Heating capacity	kW	7.7	11.2	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.20-5.09 - A+++A++	8.47-4.75 - A+++A++	6.70-4.23 - A+++A+
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 950 x 690	235 x 950 x 690
Dimensions (H x W x D) - OD	mm	1050 x 1010 x 370	1550 x 1010 x 370	1340 x 900 x 320
Weight ID - OD	kg	23 - 74	23 - 104	23 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 20	380/415-3-50 & 10
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/1.9/35-20	R32/3.1/35-20	R32/2.6/40-20

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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

TOSHIBA



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

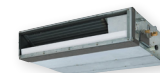
Indoor unit x2	RAV-	HM801CTP-E	HM801CTP-E	HM801CTP-E
Indoor Unit Retail Price (Each)		£1,115	£1,115	£1,115
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E1	GP1601AT8-E
Outdoor Unit Retail Price		£3,573	£3,596	£3,824
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£5,791	£5,814	£6,035
Rated Cooling capacity	kW	12.1	12.1	14.0
Rated Heating capacity	kW	13.0	13.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.93-4.73 - 314.2-186.2	6.55-4.22 - 259.0-165.8	6.20-4.21 - 245.0-165.4
Dimensions (H x W x D) - ID	mm	235 x 1270 x 690	235 x 1270 x 690	235 x 1270 x 690
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	29 - 104	29 - 95	29 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 25	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-35	R32/2.6/40-40	R32/2.6/40-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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



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

Indoor unit x2	RAV-	HM401SDTY-E	HM561SDTY-E
Indoor Unit Retail Price (Each)		£717	£776
Outdoor unit	RAV-	GP801ATW-E	GP1101AT-E
Outdoor Unit Retail Price		£2,247	£3,254
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£3,732	£4,824
Rated Cooling capacity	kW	7.1	10.0
Rated Heating capacity	kW	8.0	11.2
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.50 - 4.26 - A++/A+	6.80 - 4.02 - A++/A+
Dimensions (H x W x D) - ID	mm	210 x 700 x 450	210 x 900 x 450
Dimensions (H x W x D) - OD	mm	1050 x 1010 x 370	1550 x 1010 x 370
Weight ID - OD	kg	15 - 74	19 - 104
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 20
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)		R32/1.9/35-20	R32/3.1/35-20

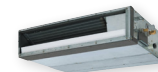
* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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

TOSHIBA



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

Indoor unit x2	RAV-	HM561SDTY-E	HM801SDTY-E
Indoor Unit Retail Price (Each)		£776	£869
Outdoor unit	RAV-	GP1101AT8-E	GP1601AT8-E
Outdoor Unit Retail Price		£3,445	£3,824
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£5,009	£5,557
Rated Cooling capacity	kW	10.0	14.0
Rated Heating capacity	kW	11.2	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.66 - 3.90 - A+/A	5.79 - 4.10 - 228.6-161.0
Dimensions (H x W x D) - ID	mm	210 x 900 x 450	210 x 1100 x 450
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	19 - 95	22 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 10	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)		R32/2.6/40-20	R32/2.6/40-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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



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

Indoor unit x2	RAV-	HM561BTP-E	HM561BTP-E	HM801BTP-E
Indoor Unit Retail Price (Each)		£842	£842	£1,087
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,254	£3,445	£3,573
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£4,952	£5,137	£5,737
Rated Cooling capacity	kW	9.5	9.5	12.1
Rated Heating capacity	kW	11.2	11.2	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.11-4.30 - A++-A+	6.02-4.19 - A+-A+	6.72-4.29 - 265.8-168.6
Dimensions (H x W x D) - ID	mm	275 x 700 x 750	275 x 700 x 750	275 x 1000 x 750
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320	1550 x 1010 x 370
Weight ID - OD	kg	23 - 104	23 - 95	30 - 104
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-20	R32/2.6/40-20	R32/3.1/35-35

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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

TOSHIBA



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

Indoor unit x2	RAV-	HM801BTP-E	HM801BTP-E
Indoor Unit Retail Price (Each)		£1,087	£1,087
Outdoor unit	RAV-	GP1401AT8-E1	GP1601AT8-E
Outdoor Unit Retail Price		£3,596	£3,824
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£5,760	£5,981
Rated Cooling capacity	kW	12.1	14.0
Rated Heating capacity	kW	13.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.98-3.99 - 236.2-156.6	5.78-3.96 - 228.2-155.4
Dimensions (H x W x D) - ID	mm	275 x 1000 x 750	275 x 1000 x 750
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	30 - 95	30 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-40	R32/2.6/40-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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



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

Indoor unit x2	RAV-	HM561FT-E	HM561FT-E	HM801FT-E
Indoor Unit Retail Price (Each)		£2,077	£2,077	£2,225
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,254	£3,445	£3,573
Controller	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)*		£7,350	£7,535	£7,947
Rated Cooling capacity	kW	9.5	9.5	12.1
Rated Heating capacity	kW	11.2	11.2	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.84-4.40 - A++-A+	6.47-4.38 - 255.8-172.2	6.02-4.02 - A+-A+
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 210
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1550 x 1010 x 370	1340 x 900 x 320
Weight ID - OD	kg	44 - 104	45 - 104	44 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-20	R32/3.1/35-35	R32/2.6/40-20

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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

TOSHIBA



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

Indoor unit x2	RAV-	HM801FT-E	HM801FT-E
Indoor Unit Retail Price (Each)		£2,225	£2,225
Outdoor unit	RAV-	GP1401AT8-E1	GP1601AT8-E
Outdoor Unit Retail Price		£3,596	£3,824
Controller	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)*		£7,970	£8,191
Rated Cooling capacity	kW	12.1	12.1
Rated Heating capacity	kW	13.0	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.01-4.02 - 237.4-157.8	5.81-3.98 - 229.4-156.2
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210	1750 x 600 x 210
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	45 - 95	45 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-40	R32/2.6/40-40

* Other control options are available as accessories

** Branch Kit RBC-TWP102-E (£241) not included, pipe connectors can be obtained locally

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

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



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

Indoor unit x3	RAV-	HM301KRTP-E	HM301KRTP-E	HM401KRTP-E
Indoor Unit Retail Price (Each)		£444	£444	£482
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,254	£3,445	£3,573
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)**		£4,907	£5,092	£5,324
Rated Cooling capacity	kW	9.5	9.5	12.1
Rated Heating capacity	kW	11.2	11.2	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.51-4.07 - A+++A+	6.57-4.16 - A+++A+	7.10-4.40 - 281.0-173.0
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320	1550 x 1010 x 370
Weight ID - OD	kg	10 - 104	10 - 95	10 - 104
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	380/415-3-50 & 10	220/240-1-50 & 25
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas – liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-20	R32/2.6/40-20	R32/3.1/35-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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

TOSHIBA



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

Indoor unit x3	RAV-	HM401KRTP-E	HM561KRTP-E
Indoor Unit Retail Price (Each)		£482	£594
Outdoor unit	RAV-	GP1401AT8-E1	GP1601AT8-E
Outdoor Unit Retail Price		£3,596	£3,824
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)**		£5,347	£5,895
Rated Cooling capacity	kW	12.0	14.0
Rated Heating capacity	kW	13.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.44-4.14 - 254.6-162.6	6.13-4.11 - 242.2-161.4
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	320 x 1050 x 250
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	10 - 95	14 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-20	R32/2.6/40-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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



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

Indoor unit x3	RAV-	HM301MUTP-E	HM301MUTP-E	HM401MUTP-E
Indoor Unit Retail Price (Each)		£1,232	£1,232	£1,243
Outdoor unit	RAV-	GP1101AT-E	GP1101AT8-E	GP1401AT-E1
Outdoor Unit Retail Price		£3,254	£3,445	£3,573
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)**		£7,202	£7,387	£7,541
Rated Cooling capacity	kW	9.5	9.5	12.0
Rated Heating capacity	kW	11.2	11.2	12.8
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.93-4.42 - A++-A+	6.32-3.94 - A++-A	*/-
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320	1550 x 1010 x 370
Weight ID - OD	kg	16 - 104	16 - 95	16 - 104
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	220/240-1-50 & 25	380/415-3-50 & 10
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas – liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-20	R32/2.6/40-20	R32/3.1/35-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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

*/- Awaiting factory data

TOSHIBA



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

Indoor unit x3	RAV-	HM401MUTP-E	HM561MUTP-E
Indoor Unit Retail Price (Each)		£1,243	£1,261
Outdoor unit	RAV-	GP1401AT8-E1	GP1601AT8-E
Outdoor Unit Retail Price		£3,596	£3,824
Controller*	RBC-	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164
System Retail Price (inc. Controller)**		£7,564	£7,839
Rated Cooling capacity	kW	12.0	14.0
Rated Heating capacity	kW	12.8	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	*/-	6.32-4.15 - 249.8-163.0
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	16 - 95	16 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-20	R32/2.6/40-20

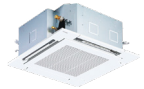
* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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

*/- Awaiting factory data



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

Indoor unit x3	RAV-	HM561UTP-E
Indoor Unit Retail Price (Each)		£1,111
Outdoor unit	RAV-	GP1601AT8-E
Outdoor Unit Retail Price		£3,824
Controller*	RBC-	AMSU52-E
Controller Retail Price		£164
System Retail Price (inc. Controller)**		£7,401
Rated Cooling capacity	kW	14.0
Rated Heating capacity	kW	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.90-4.38 - 273.0-172.2
Dimensions (H x W x D) - ID	mm	256 x 840 x 840
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320
Weight ID - OD	kg	20 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30
Chargeless pipe length	m	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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

TOSHIBA



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

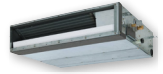
Indoor unit x3	RAV-	HM401CTP-E	HM401CTP-E	HM561CTP-E
Indoor Unit Retail Price (Each)		£864	£864	£943
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E1	GP1601AT8-E
Outdoor Unit Retail Price		£3,573	£3,596	£3,824
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)**		£6,437	£6,460	£6,912
Rated Cooling capacity	kW	12.1	12.1	14.0
Rated Heating capacity	kW	12.8	12.8	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.93-4.73 - 314.2-186.2	6.55-4.22 - 259.0-165.8	6.17-4.21 - 243.8-165.4
Dimensions (H x W x D) - ID	mm	235 x 950 x 690	235 x 950 x 690	235 x 950 x 690
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	23 - 104	23 - 95	23 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 25	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-20	R32/2.6/40-20	R32/2.6/40-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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



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

Indoor unit x3	RAV-	HM561SDTY-E
Indoor Unit Retail Price (Each)		£776
Outdoor unit	RAV-	GP1601AT8-E
Outdoor Unit Retail Price		£3,824
Controller*	RBC-	AMSU52-E
Controller Retail Price		£164
System Retail Price (inc. Controller)**		£6,426
Rated Cooling capacity	kW	14.0
Rated Heating capacity	kW	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.19 - 4.09 - 291.8-191.8
Dimensions (H x W x D) - ID	mm	210 x 900 x 450
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320
Weight ID - OD	kg	19 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)
Flare connections (gas – liquid)**	inch	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30
Chargeless pipe length	m	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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

TOSHIBA



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

Indoor unit x3	RAV-	HM561BTP-E
Indoor Unit Retail Price (Each)		£842
Outdoor unit	RAV-	GP1601AT8-E
Outdoor Unit Retail Price		£3,824
Controller*	RBC-	AMSU52-E
Controller Retail Price		£164
System Retail Price (inc. Controller)**		£6,618
Rated Cooling capacity	kW	14.0
Rated Heating capacity	kW	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.75-3.96 - 227.0-155.4
Dimensions (H x W x D) - ID	mm	275 x 700 x 750
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320
Weight ID - OD	kg	23 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30
Chargeless pipe length	m	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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



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

Indoor unit x3	RAV-	HM561FT-E
Indoor Unit Retail Price (Each)		£2,077
Outdoor unit	RAV-	GP1601AT8-E
Outdoor Unit Retail Price		£3,824
Controller*	RBC-	AMSU52-E
Controller Retail Price		£164
System Retail Price (inc. Controller)**		£10,215
Rated Cooling capacity	kW	20.0
Rated Heating capacity	kW	22.4
SEER - SCOP - Energy Label (or nsc %)	kW/kW	5.75-3.98 - 227.0-156.2
Dimensions (H x W x D) - ID	mm	1750 x 600 x 210
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320
Weight ID - OD	kg	44 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)
Flare connections (gas – liquid)**	inch	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30
Chargeless pipe length	m	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-20

* Other control options are available as accessories

** Branch kit RBC-TRP100E (£305) is included in the system price

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

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

TOSHIBA



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

Indoor unit x4	RAV-	HM301KRTP-E	HM301KRTP-E	HM401KRTP-E
Indoor Unit Retail Price (Each)		£444	£444	£482
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E1	GP1601AT8-E
Outdoor Unit Retail Price		£3,573	£3,596	£3,824
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)**		£5,351	£5,374	£5,739
Rated Cooling capacity	kW	12.1	12.1	14.0
Rated Heating capacity	kW	13.0	13.0	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.10-7.10 - 281.0-281.0	6.44-6.44 - 254.6-254.6	6.13-6.13 - 242.2-242.2
Dimensions (H x W x D) - ID	mm	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	10 - 104	10 - 95	10 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 25	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-20-20	R32/2.6/40-20-20	R32/2.6/40-20-20

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£328) not included, pipe connectors can be obtained locally

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

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



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

Indoor unit x4	RAV-	HM301MUTP-E	HM301MUTP-E	HM401MUTP-E
Indoor Unit Retail Price (Each)		£1,232	£1,232	£1,243
Outdoor unit	RAV-	GP1401AT-E1	GP1401AT8-E1	GP1601AT8-E
Outdoor Unit Retail Price		£3,573	£3,596	£3,824
Controller*	RBC-	AMSU52-E	AMSU52-E	AMSU52-E
Controller Retail Price		£164	£164	£164
System Retail Price (inc. Controller)**		£8,411	£8,434	£8,695
Rated Cooling capacity	kW	12.1	12.1	12.1
Rated Heating capacity	kW	12.8	12.8	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	*/-	*/-	6.32-6.32 - 249.8-249.8
Dimensions (H x W x D) - ID	mm	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575
Dimensions (H x W x D) - OD	mm	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Weight ID - OD	kg	16 - 104	16 - 95	16 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 25	380/415-3-50 & 16	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)	(3C+E)	(3C+E)
Flare connections (gas – liquid)**	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30	3 - 50/30	3 - 50/30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/3.1/35-20-20	R32/2.6/40-20-20	R32/2.6/40-20-20

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£328) not included, pipe connectors can be obtained locally

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

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

*/- Awaiting factory data

TOSHIBA



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

Indoor unit x4	RAV-	HM401CTP-E
Indoor Unit Retail Price (Each)		£864
Outdoor unit	RAV-	GP1601AT8-E
Outdoor Unit Retail Price		£3,824
Controller*	RBC-	AMSU52-E
Controller Retail Price		£164
System Retail Price (inc. Controller)**		£7,223
Rated Cooling capacity	kW	14.0
Rated Heating capacity	kW	16.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.17-6.17 - 243.8-243.8
Dimensions (H x W x D) - ID	mm	235 x 950 x 690
Dimensions (H x W x D) - OD	mm	1340 x 900 x 320
Weight ID - OD	kg	23 - 95
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 16
Interconnecting Cable***		(3C+E)
Flare connections (gas - liquid)**	inch	5/8 - 3/8
Min-Max pipe length / Max Height Difference	m	3 - 50/30
Chargeless pipe length	m	30
Refrigerant - additional charge (main - sub)	Type/kg/g	R32/2.6/40-20-20

* Other control options are available as accessories

** Branch kit RBC-DTWP102E (£328) not included, pipe connectors can be obtained locally

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

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



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		£1,036	£1,326	£1,583	£1,979
Pipe connections (gas - liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	5/30 - 20	5/30 - 20	5/30 - 30	5/30 - 30
Chargeless pipe length	m	20	20	30	30
Refrigerant - additional charge	Type/kg/g	R32/0.9/20	R32/1.4/35	R32/1.7/35	R32/1.7/35
Dimensions (HxWxD)	mm	550 x 780 x 290	550 x 780 x 290	630 x 800 x 300	710 x 900 x 320
Total Weight	kg	36	38	45	59
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 25	380/415-3-50 & 10
Control Panel	RBC-	DXC031	DXC031	DXC031	DXC031
Control Panel Retail Price		£963	£963	£963	£963
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling range (min. - max.)	kW	1.5 - 5.6	1.5 - 8.0	3.0 - 11.2	3.0 - 11.2
Heating range (min. - max.)	kW	1.5 - 6.3	1.5 - 9.0	3.0 - 13.0	3.0 - 13.0
Air Volume Min - Max	m ³ /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-E1	GV1601AT8P-E1
Outdoor Unit Retail Price		£1,945	£2,085	£2,245	£2,588
Pipe connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	5/30 - 30	5/30 - 30	5/30 - 30	5/30 - 30
Chargeless pipe length	m	30	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/1.9/35	R32/1.9/35	R32/2.2/35	R32/2.2/35
Dimensions (HxWxD)	mm	710 x 900 x 320	710 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Total Weight	kg	57	59	64	66
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16	220/240-1-50 & 32	380/415-3-50 & 16
Control Panel	RBC-	DXC031	DXC031	DXC031	DXC031
Control Panel Retail Price		£963	£963	£963	£963
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling range (min. - max.)	kW	3.0 - 12.0	3.0 - 14.0	3.0 - 14.0	3.0 - 15.0
Heating range (min. - max.)	kW	3.0 - 16.0	3.0 - 16.0	3.0 - 18.0	3.0 - 18.0
Air Volume Min - Max	m ³ /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
Outdoor Unit Retail Price		£818	£980	£1,165	£1,538
Pipe connections (gas - liquid)	inch	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	2/20 - 10	2/20 - 10	5/30 - 30	5/30 - 30
Chargeless pipe length	m	15	15	20	20
Refrigerant - additional charge	Type/kg/g	R32/0.63/20	R32/0.9/20	R32/1.1/20	R32/1.3/35
Dimensions (HxWxD)	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Total Weight	kg	33	39	38	44
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16	220/240-1-50 & 16
Control Panel	RBC-	DXC031	DXC031	DXC031	DXC031
Control Panel Retail Price		£963	£963	£963	£963
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling range (min. - max.)	kW	0.9 - 3.0	0.9 - 4.0	1.5 - 5.6	1.5 - 8.0
Heating range (min. - max.)	kW	0.8 - 4.5	0.8 - 5.0	1.5 - 6.3	1.5 - 9.0
Air Volume Min - Max	m ³ /h	480 - 660	522 - 690	720 - 1080	1060 - 1580
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5	5	5

* Follow installation guidance for A2L refrigerant

TOSHIBA



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

Outdoor Unit - Digital Inverter	RAV-	GM901ATP-E	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E1
Outdoor Unit Retail Price		£1,699	£2,028	£2,341	£2,137
Pipe connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	5/30 - 30	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	20	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.0/35	R32/2.1/35	R32/2.1/35	R32/2.1/35
Dimensions (HxWxD)	mm	630 x 800 x 300	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
Total Weight	kg	47	68	68	68
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 20	220/240-1-50 & 25	380/415-3-50 & 10	220/240-1-50 & 32
Control Panel	RBC-	DXC031	DXC031	DXC031	DXC031
Control Panel Retail Price		£963	£963	£963	£963
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling range (min. - max.)	kW	1.9 - 8.8	3.0 - 11.2	3.0 - 11.2	3.0 - 13.2
Heating range (min. - max.)	kW	1.6 - 9.9	3.0 - 13.0	3.0 - 13.0	3.0 - 16.0
Air Volume Min - Max	m ³ /h	1170 - 1730	1280 - 1920	1280 - 1920	1680 - 2520
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5	5	5

* Follow installation guidance for A2L refrigerant



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

Outdoor Unit - Digital Inverter	RAV-	GM1401AT8P-E1	GM1601ATP-E	GM1601AT8P-E
Outdoor Unit Retail Price		£2,465	£2,874	£3,190
Pipe connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.1/35	R32/2.4/35	R32/2.4/35
Dimensions (HxWxD)	mm	890 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Total Weight	kg	68	95	94
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 16	220/240-1-50 & 32	380/415-3-50 & 16
Control Panel	RBC-	DXC031	DXC031	DXC031
Control Panel Retail Price		£963	£963	£963
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling range (min. - max.)	kW	3.0 - 13.2	3.0 - 16.0	3.0 - 16.0
Heating range (min. - max.)	kW	3.0 - 16.0	3.0 - 18.0	3.0 - 18.0
Air Volume Min - Max	m ³ /h	1680 - 2520	2080 - 3360	2080 - 3360
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5	5

* Follow installation guidance for A2L refrigerant

TOSHIBA



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

Outdoor Unit - Digital Inverter	RAV-	GM2243AT8P-E	GM2803AT8P-E
Outdoor Unit Retail Price		£4,896	£4,970
Pipe connections (gas - liquid)	inch	58 - 60	61 - 63
Min/Max pipe length - Max Height Difference	m	1 1/8 - 1/2	1 1/8 - 1/2
Chargeless pipe length	m	5-100 / ±30	5-100 / ±30
Refrigerant - additional charge	Type/kg/g	R32/4.6/30 - 80	R32/4.6/30 - 80
Dimensions (HxWxD)	mm	890 x 1100 x 460	890 x 1100 x 460
Total Weight	kg	117	117
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 20	380/415-3-50 & 20
Control Panel	RBC-	DXC031	DXC031
Control Panel Retail Price		£963	£963
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil
Cooling range (min. - max.)	kW	4.6 - 22.4	4.6 - 25.0
Heating range (min. - max.)	kW	4.6 - 25.0	4.6 - 28.0
Air Volume Min - Max	m ³ /h	2880 - 4320	3360 - 5040
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7
Suction Superheat (Target)	K	5	5

* Follow installation guidance for A2L refrigerant



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		£1,544	£2,247	£3,254	£3,445
Pipe connections (gas - liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	3/50 - 30	3/50 - 30	3/75 - 30	3/75 - 30
Chargeless pipe length	m	20	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/1.35/20	R32/1.9/35	R32/3.1/35	R32/2.6/40
Dimensions (HxWxD)	mm	630 x 799 x 299	1050 x 1010 x 370	1550 x 1010 x 370	1340 x 900 x 320
Total Weight	kg	45	74	104	95
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20	380/415-3-50 & 10
Control Panel	RBC-	DXC031	DXC031	DXC031	DXC031
Control Panel Retail Price		£963	£963	£963	£963
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling range (min. - max.)	kW	1.2 - 5.6	1.9 - 8.0	3.1 - 12.0	2.6 - 12.0
Heating range (min. - max.)	kW	0.9 - 7.4	1.3 - 11.3	2.6 - 13.0	2.4 - 15.6
Air Volume Min - Max	m ³ /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

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

Outdoor Unit - Super Digital Inverter	RAV-	GP1401AT-E1	GP1401AT8-E1	GP1601AT8-E
Outdoor Unit Retail Price		£3,573	£3,596	£3,824
Pipe connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	3/75 - 30	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/3.1/35	R32/2.6/40	R32/2.6/40
Dimensions (HxWxD)	mm	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Total Weight	kg	104	95	95
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 25	380/415-3-50 & 16	380/415-3-50 & 16
Control Panel	RBC-	DXC031	DXC031	DXC031
Control Panel Retail Price		£963	£963	£963
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling range (min. - max.)	kW	3.1 - 14.0	2.6 - 14.0	2.6 - 16.0
Heating range (min. - max.)	kW	2.6 - 16.5	2.4 - 18.0	2.4 - 19.0
Air Volume Min - Max	m ³ /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



TCB-IFDLR01UP-E Air Handling Unit Applications Digital Inverter

Outdoor Unit - Digital Inverter	RAV-	GM301ATP-E	GM401ATP-E	GM561ATP-E1	GM801ATP-E
Outdoor Unit Retail Price		£818	£980	£1,165	£1,538
Pipe connections (gas - liquid)	inch	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	2/20 - 10	2/20 - 10	5/30 - 30	5/30 - 30
Chargeless pipe length	m	15	15	20	20
Refrigerant - additional charge	Type/kg/g	R32/0.63/20	R32/0.9/20	R32/1.1/20	R32/1.3/35
Dimensions (HxWxD)	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
Total Weight	kg	33	39	38	44
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 10	220/240-1-50 & 16	220/240-1-50 & 16
Control Panel	TCB-	IFDLR01UP-E	IFDLR01UP-E	IFDLR01UP-E	IFDLR01UP-E
Control Panel Retail Price		£967	£967	£967	£967
Dimensions (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Weight	kg	4.1	4.1	4.1	4.1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling range (min. - max.)	kW	0.9 - 3.0	0.9 - 4.0	1.5 - 5.6	1.5 - 8.0
Heating range (min. - max.)	kW	0.8 - 4.5	0.8 - 5.0	1.5 - 6.3	1.5 - 9.0
Air Volume Min - Max	m ³ /h	310 - 700	310 - 810	480 - 1080	680 - 1620
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	6	6	6	6

* Follow installation guidance for A2L refrigerant

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

Outdoor Unit - Digital Inverter	RAV-	GM901ATP-E	GM1101ATP-E	GM1101AT8P-E
Outdoor Unit Retail Price		£1,699	£2,028	£2,341
Pipe connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	5/30 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	20	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.0/35	R32/2.1/35	R32/2.1/35
Dimensions (HxWxD)	mm	630 x 800 x 300	890 x 900 x 320	890 x 900 x 320
Total Weight	kg	47	68	68
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 20	220/240-1-50 & 25	380/415-3-50 & 10
Control Panel	RBC-	IFDLR01UP-E	IFDLR01UP-E	IFDLR01UP-E
Control Panel Retail Price		£967	£967	£967
Dimensions (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Weight	kg	4.1	4.1	4.1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling range (min. - max.)	kW	1.9 - 8.8	3.0 - 11.2	3.0 - 11.2
Heating range (min. - max.)	kW	1.6 - 9.9	3.0 - 13.0	3.0 - 13.0
Air Volume Min - Max	m ³ /h	680 - 1890	1020 - 2160	1020 - 2160
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	6	6	6

* Follow installation guidance for A2L refrigerant



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

Outdoor Unit - Digital Inverter	RAV-	GM1401ATP-E1	GM1401AT8P-E1	GM1601ATP-E
Outdoor Unit Retail Price		£2,137	£2,465	£2,874
Pipe connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	5/50 - 30	5/50 - 30	5/50 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/2.1/35	R32/2.1/35	R32/2.4/35
Dimensions (HxWxD)	mm	890 x 900 x 320	890 x 900 x 320	1340 x 900 x 320
Total Weight	kg	68	68	95
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 32	380/415-3-50 & 16	220/240-1-50 & 32
Control Panel	RBC-	IFDLR01UP-E	IFDLR01UP-E	IFDLR01UP-E
Control Panel Retail Price		£967	£967	£967
Dimensions (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Weight	kg	4.1	4.1	4.1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling range (min. - max.)	kW	3.0 - 13.2	3.0 - 13.2	3.0 - 16.0
Heating range (min. - max.)	kW	3.0 - 16.0	3.0 - 16.0	3.0 - 18.0
Air Volume Min - Max	m ³ /h	1200 - 2700	1200 - 2700	1200 - 3500
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	6	6	6

* Follow installation guidance for A2L refrigerant

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

Outdoor Unit - Digital Inverter	RAV-	GM1601AT8P-E	GM2243AT8P-E	GM2803AT8P-E
Outdoor Unit Retail Price		£3,190	£4,896	£4,970
Pipe connections (gas - liquid)	inch	5/8 - 3/8	58 - 60	61 - 63
Min/Max pipe length - Max Height Difference	m	5/50 - 30	1 1/8 - 1/2	1 1/8 - 1/2
Chargeless pipe length	m	30	5-100 / ±30	5-100 / ±30
Refrigerant - additional charge	Type/kg/g	R32/2.4/35	R32/4.6/30 - 80	R32/4.6/30 - 80
Dimensions (HxWxD)	mm	1340 x 900 x 320	890 x 1100 x 460	890 x 1100 x 460
Total Weight	kg	94	117	117
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 16	380/415-3-50 & 20	380/415-3-50 & 20
Control Panel	RBC-	IFDLR01UP-E	IFDLR01UP-E	IFDLR01UP-E
Control Panel Retail Price		£967	£967	£967
Dimensions (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Weight	kg	4.1	4.1	4.1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling range (min. - max.)	kW	3.0 - 16.0	4.6 - 22.4	4.6 - 25.0
Heating range (min. - max.)	kW	3.0 - 18.0	4.6 - 25.0	4.6 - 28.0
Air Volume Min - Max	m ³ /h	1200 - 3500	2880 - 4320	3360 - 5040
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	6	6	6

* Follow installation guidance for A2L refrigerant



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

Outdoor Unit - Super Digital Inverter	RAV-	GP561ATW-E	GP801ATW-E	GP1101AT-E	GP1101AT8-E
Outdoor Unit Retail Price		£1,544	£2,247	£3,254	£3,445
Pipe connections (gas - liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	3/50 - 30	3/50 - 30	3/75 - 30	3/75 - 30
Chargeless pipe length	m	20	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/1.35/20	R32/1.9/35	R32/3.1/35	R32/2.6/40
Dimensions (HxWxD)	mm	630 x 799 x 299	1050 x 1010 x 370	1550 x 1010 x 370	1340 x 900 x 320
Total Weight	kg	45	74	104	95
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 16	220/240-1-50 & 16	220/240-1-50 & 20	380/415-3-50 & 10
Control Panel	TCB-	IFDLR01UP-E	IFDLR01UP-E	IFDLR01UP-E	IFDLR01UP-E
Control Panel Retail Price		£967	£967	£967	£967
Dimensions (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Weight	kg	4.1	4.1	4.1	4.1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling range (min. - max.)	kW	1.2 - 5.6	1.9 - 8.0	3.1 - 12.0	2.6 - 12.0
Heating range (min. - max.)	kW	0.9 - 7.4	1.3 - 11.3	2.6 - 13.0	2.4 - 15.6
Air Volume Min - Max	m ³ /h	480 - 1080	680 - 1620	1020 - 2160	1020 - 2160
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	6	6	6	6

* Follow installation guidance for A2L refrigerant

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

Outdoor Unit - Super Digital Inverter	RAV-	GP1401AT-E1	GP1401AT8-E1	GP1601AT8-E
Outdoor Unit Retail Price		£3,573	£3,596	£3,824
Pipe connections (gas - liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Min/Max pipe length - Max Height Difference	m	3/75 - 30	3/75 - 30	3/75 - 30
Chargeless pipe length	m	30	30	30
Refrigerant - additional charge	Type/kg/g	R32/3.1/35	R32/2.6/40	R32/2.6/40
Dimensions (HxWxD)	mm	1550 x 1010 x 370	1340 x 900 x 320	1340 x 900 x 320
Total Weight	kg	104	95	95
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 25	380/415-3-50 & 16	380/415-3-50 & 16
Control Panel	TCB-	IFDLR01UP-E	IFDLR01UP-E	IFDLR01UP-E
Control Panel Retail Price		£967	£967	£967
Dimensions (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Weight	kg	4.1	4.1	4.1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil	AHU DX Coil
Cooling range (min. - max.)	kW	3.1 - 14.0	2.6 - 14.0	2.6 - 16.0
Heating range (min. - max.)	kW	2.6 - 16.5	2.4 - 18.0	2.4 - 19.0
Air Volume Min - Max	m ³ /h	1200 - 2700	1200 - 2700	1200 - 3500
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7
Suction Superheat (Target)	K	6	6	6

* Follow installation guidance for A2L refrigerant

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RAV Accessories

RAV Accessories	Model	Description	Price
Wireless Controller/Receiver Kits			
Wireless Controller/Receiver Kits	RBC-AX33UYP-E	Wireless Receiver Kit for 1-Way Cassette	£61
	RBC-AXU31C-E	Wireless Remote Controller Kit - Ceiling	£259
	RBC-AXU31-E	Wireless Remote Controller Kit - Others (Exclude High Static Ducted)	£334
	RBC-AXU31U-E	Wireless Receiver Kit for 4-Way Cassette	£237
	RBC-AXU31UM-E	Wireless Receiver Kit for Compact Cassette	£153
	RBC-AXU31UW-E	Wireless Receiver Kit for 2-Way Cassette	£280
	RBC-AXU31UMP-E	Wireless Remote Controller Kit for compact 4-way White	£140
	RBC-AXU31UMPB-E	Wireless Remote Controller Kit for compact 4-way Black	£152
	RBC-AXU33UP-E	Wireless Receiver Kit for 4-Way Cassette (Compatible with MMU-UP_1HP-E & RAV-HM_1UTP-E)	£167
	RBC-AXU41U-E	Wireless Receiver Kit for 4-Way Cassette	£237
RBC-AXU33UPB-E	Wireless Remote Controller kit (IR receiver + handset), Black colour	£183	
Controller Wired			
Controller Wired	RBC-AS41E	Simplified Remote Controller	£113
	RBC-ASCU11-E	Compact Remote Controller	£81
	RBC-ASCU32Y-E	Compact Remote Controller	£81
	RBC-AMT32E	Standard Remote Controller	£85
	RBC-AMTU31-E	Standard Remote Controller	£93
	RBC-AMS41E	Standard Remote Controller C/W 24/7 Schedule Timer	£102
	RBC-AMSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer	£164
	RBC-AWSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer + Bluetooth	£189
	RBC-MTSC1	Mini Touch Screen Controller	£305
	RBC-MTSC2	Mini Touch Screen Controller C/W Schedule Timer	£362
Central Controller Wired			
Central Controller Wired	BMS-CT1280E	Touch Screen Controller	£4,402
	BMS-CT2560U-E	256 Touch Screen Controller (Multi Language)	£4,873
	BMS-CT5121E	Touch Screen Controller	£6,024
	RBC-BP2	Black Pear BMS Controller	£4,804

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RAV Accessories

RAV Accessories	Model	Description	Price
Central Controller Wired (Continued)			
Central Controller Wired (Continued)	RBC-TBPUTS	Toshiba Black Pear Touchscreen 64/(128 TU2C link Only) ID Units	£3,678
	RBC-TBPUTSBC	Back box for Smart Touch (RBC-TBPUTS)	£267
	TCB-SC640U-E	64 Central Remote Controller	£1,098
Control Panel			
Control Panel	RBC-AC1	Unit Auto Change Over With Temperature High Limit Stat (1 Run/1 Standby)	£1,900
	RBC-AC2	Unit Auto Change Over With Temperature High Limit Stat (2 Run/1 Standby)	£2,212
	RBC-AM1E	Remote Controller	£178
	RBC-EM1-PE	Energy Monitoring Kit	£1,414
Indoor Interface			
Indoor Interface	BMS-IFKX0TLR-E	KNX interface for LC-VRF	£554
	BMS-IFLSV4E	TCS-Net Relay Interface	£1,045
	BMS-IFMB0TLR-E	Modbus interface for LC-VRF	£463
	BMS-IFMB0UEW-E	MODBUS CONTROLLER FOR ESTIA R32	£522
	BMS-IFMB1280U-E	Modbus Interface	£2,081
	BMS-WB2561PWE	Web Server/Gateway Server Connection Of Up To 256 Indoor Units	£4,309
	RBC-AVS2	Averaging Sensors	£206
	RBC-AVS3	Averaging Sensors	£229
	RBC-AVS4	Averaging Sensors	£244
	RBC-FDP3-AHU	Monitoring & Control Interface With AHU Firmware	£625
	RBC-FDP3-PE	Monitoring & Control Interface For VRF & DI/SDI	£441
	RBC-SMF1	Enables Control Of External Fans	£70
	RBC-SMIM2	Indicator Module For Unit In Heating Mode, Cooling Mode Or Fan	£101
	RBC-SMIM3	Indicator Module For Stopping Fault And Unit Run	£96
	RBC-SMIM4	Indicator Module For Stopping Fault, Unit Run inc. External Start/Stop & Control Lock	£107
	BMS-IWF0010UCP-E	WI-FI interface for LC & VRF	£209

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RAV Accessories

RAV Accessories	Model	Description	Price
Indoor Interface (Continued)			
Indoor Interface (Continued)	RBC-TS11	Monitoring & Control Interface For VRF & DI/SDI	£350
	RBC-TXIO	Input/Output Interface For Third Party Equipment	£426
	RB-I301-E	Leak Detection Sensor Kit	£208
	TCB-IFCB5-PE	Window Switch & Remote ON/OFF	£34
	TCB-PCNT30TLE2	1:1 Model Connection Interface	£122
	TCB-PX100-PE	Enclosure For The Window Switch Remote ON/OFF	£25
	TCB-PX30MUE	Terminal Box For TCB-PCNT30TLE2	£92
Indoor Interface Lead			
Indoor Interface Lead	RBC-TAEX1	Extension Sensor TA	£45
	RBC-CN61CIMC	CN61 5 M Lead	£32
	RBC-IT4-PE	Timer For DI/SDI	£164
	RBC-SMCN61	Interface Lead For ON/OFF And Unit Remote Controller Lock	£14
	RBC-SMT1	Timer Interface Lead	£14
	TCB-KBCN32VEE	Connector For CN 32	£212
	TCB-KBCN60OPE	Connector For CN 60	£415
	TCB-KBCN61HAE	Connector For CN 61	£421
	TCB-KBCN70OAE	Connector For CN 70	£206
	TCB-KBCN73DEE	Connector For CN 73	£209
TCB-KBCN80EXE	Connector For CN 80	£215	
TCB-KBOS4E	Cable Connector Kit	£44	
Interface			
Interface	BMS-IFWH5E	Energy Monitoring Relay Interface	£683
	RBC-IT2-PE	Timer Interface For R407C Equipment	£154
	TCB-DK01SS-E	Dyna Doctor Hardware	£2,254
	TCB-IFLN642TLE	LonWorks Gateway,	£1,709
	TCB-PCUC2E	Application Control Kit	£161
	TCB-PX40MUME	Control Box Enclosure For Interface PCB's	£92

TOSHIBA

RAV Accessories

RAV Accessories	Model	Description	Price
Occupancy Sensor			
Occupancy Sensor	TCB-SIR33UP-E	Occupancy Sensor Kit (Compatible with MMU-UP_1HP-E & RAV-HM_1UTP-E)	£95
	TCB-SIR41U-E	Occupancy Sensor (Smart Cassettes)	£110
	TCB-SIR41UM-E	Occupancy Sensor (New 7 Series Compact Cassettes)	£110
	TCB-SIR41UYP-E	Occupancy Sensor (1-Way cassette)	£95
Remote Sensor			
Remote Sensor	TCB-TC41U-E	Remote Sensor	£100
Air Discharge, Filtration & Inlet			
Air Discharge, Filtration & Inlet	RBC-VCK1	Ducted Vertical Conversion Kit	£702
	TCB-BC1602UE	4 Way Cassette Air Discharge Direction Kit (Suit 31PG)	£88
	TCB-BC1603UE	Smart Cassette Air Discharge Direction Kit	£88
	TCB-FF101URE2	Fresh Air Connection Spigot Kit (New 7 Series Compact Cassettes)	£62
	TCB-FF151US-E	Auxiliary Fresh Air Flange	£75
	TCB-SF160C6BPE	Discharge spigots for LC/VRF Ducted 4.0-6.0 HP	£229
	TCB-SF56C6BPE	Discharge spigots for LC/VRF Ducted 1.5-2.0 HP	£152
	TCB-SF80C6BPE	Discharge spigots for LC/VRF Ducted 3.0 HP	£180
	TCB-EAPC1UHP-E	Air Purifier Kit 4-Way Cassette (Heating RC + PURE Button)	£1,150
	TCB-GB1601UE2	Fresh-Air Inlet Box	£84
	TCB-GB1602UE	Fresh Air Inlet Box	£88
	TCB-GB1602UE2	Fresh Air Inlet Box	£74
	TCB-GFC1601UE2	Fresh-Air & Filter Chamber	£384
	TCB-GFC1602UE2	Fresh Air & Filter Chamber	£191
	TCB-GFC1603UE	Smart Cassette Fresh Air Filter Chamber	£232
	TCB-LK1401D-E	Long Life Filter Kit For MMD-*036_056#HP-E	£99
	TCB-LK2801DP-E	Long Life Filter Kit For MMD-*072_096#HP-E	£152
	TCB-LK801D-E	Long Life Filter Kit For MMD-*018_027#HP-E	£78

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RAV Accessories

RAV Accessories	Model	Description	Price
Air Discharge, Filtration & Inlet (Continued)			
Air Discharge, Filtration & Inlet (Continued)	TCB-UFH0481D-E	High Efficiency Filter 90% (48)	£595
	TCB-UFH1281D-E	High Efficiency Filter 90% (72-128)	£849
	TCB-UFM0481D-E	High Efficiency Filter 65% (48)	£592
	TCB-UFM1281D-E	High Efficiency Filter 65% (72-128)	£798
	TCB-SP1602UE	4-Way Cassette Spacer Height Adjustment For RBC-U32/U33P-E	£232
	TCB-SP1603UE	Smart Cassette Spacer Height Adjustment For RBC-U41PG(W)-E	£232
R410A Leak Detection			
R410A Leak Detection	RBC-RI1	Room Indicator For Use With RBC-RP1 (Legrand Graphite) Currently Grey	£99
	RBC-LDCIMC	Leak Detection 15M Lead	£62
	RBC-RP1	Repeater Panel C/W Battery Back Up	£1,769
	RBC-TSRP1	Repeater Panel (for use with RBC-TBPTS)	£827
	TCB-LD12V	Room Leak Detection Transformer 12v & Cable Kit (use with TCB-LDS1 & TCB-LDS2)	£214
	TCB-LDS1	Room Leak Detection With White Faceplate (requires Remote 12v Transformer)	£513
	TCB-LDS1BLK	Room Leak Detection With Black Faceplate (requires Remote 12v Transformer)	£462
	TCB-LDS2	Room Leak Detection With Stainless Steel Faceplate (requires Remote 12v Transformer)	£531
	RBC-TQ31	Room Leak Detector (With CN80 Cable)	£435
	RBC-TQ32-32	Area Alarm Panel - 32 Channels	£2,453
RBC-TQ32-64	Area Alarm Panel - 64 Channels	£2,786	
RBC-TQ35	Central Alarm Panel (Combine upto 16 Area alarm panels)	£2,118	
Outdoor Interface			
Outdoor Interface	TCB-IFCB-4E2	Remote Location ON/OFF Control Box	£357
	TCB-PCDM4E	Power Peak-Cut Control Board (SMMS/SHRM)	£128
	TCB-PCOS1E2	Application Control Kit	£227
Branch Joints			
Branch Joints	RBC-DTWP102-E	Double Twin Kit For DI & SDI	£328
	RBC-TRP100E	Triple Pipe Kit	£305
	RBC-TWP102-E	Twin Kit Large Capacity Di	£242
	RBC-TWP31-E	Twin Kit	£101
	RBC-TWP50E2	Twin Kit	£106

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RAV Accessories

RAV Accessories	Model	Description	Price
Condensate			
Condensate	TCB-DP22CE2	Drain Up Kits For DI Ceiling FCU	£284
	TCB-DP31CE	Drain Pump For DI Ceiling	£310
	TCB-DP31HEXE	Drain Pump Kit	£768
	TCB-DP40DFP-E	Drain Pump Kit (Lift up to 330 mm)	£453
	TCB-DP40DPE	Drain Pump Kit (MMD-*0726 To 0966HP-E)	£453
	TCB-KP14CPE	Ceiling Suspended Elbow Piping Kit (1.5-2.0hp)	£87
	TCB-KP22CE2	Elbow Piping Kit (*0241-0481)	£110
	TCB-KP24CPE	Ceiling Suspended Elbow Piping Kit (2.5-5.0hp)	£104
Anti-Corrosion Coating			
Anti-Corrosion Coating *	CACC-SFCASE	Single Fan Unit Case Anti-Corrosion Coating	£637
	CACC-DFCASE1	Double Fan Unit Case Anti-Corrosion Coating	£707
	CACC-DFCASE2	Double Fan Unit Case Anti-Corrosion Coating (Large)	£748
Painted Finish			
Painted Finish *	Paint-Ducted 07-18	Painted Ducted Unit Chassis	£662
	Paint-Ducted 24-30	Painted Ducted Unit Chassis	£662
	Paint-Ducted 36-56	Painted Ducted Unit Chassis	£662
	Paint-High Wall 56-80	Painted High Wall Unit Fascia	£660
	PAINT-U21FP	Painted Compact Cassette Fascia Panel	£660
	PAINT-U31FP	Painted 4-Way Cassette Fascia Panel	£660
Site Services			
Site Services	TTS-HVACC	HVAC Commissioning	£1,681
	TTS-HVACM	HVAC Commissioning (additional charge greater than 75 miles journey)	£1,236
	TTS-HVACA	HVAC Commissioning (additional charge overnight accommodation)	£495
	TTS-HVACS	HVAC Site Visit	£1,681
	TTS-HVACF	HVAC Fault Finding	£1,681

*Additional delivery charges may apply

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USX Edge R32 High Capacity Heat Pump

USX R32 High Capacity Heat Pump	Pages
USX R32 High Capacity Heat Pump	152



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Push Boundaries with USX Edge R32 High Capacity Heat Pump*

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



Low GWP
R32 refrigerant



X frame space
saving design



Market leading
efficiencies



Risk diversification
by modular
structure



Twin rotary
Compressor



Broad operating
range



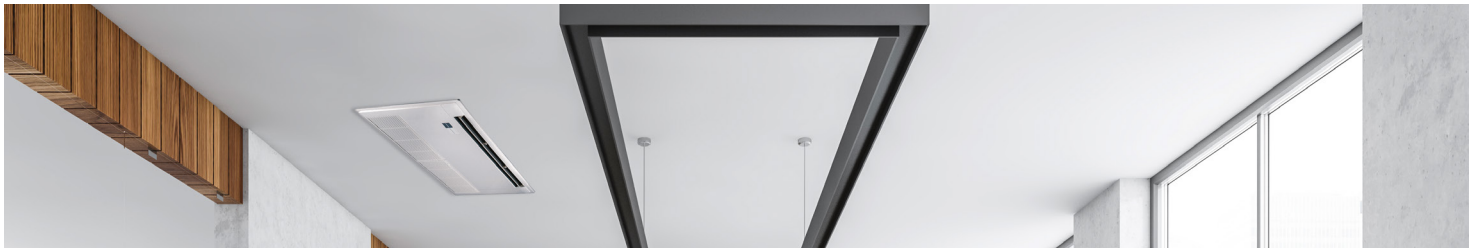
[Click here](#) to download the full USX Edge brochure

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

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

VRF R410a Outdoor Units

VRF R410a Outdoor Units (Heat Pump & Heat Recovery)	Pages
Mini SMMSe - VRF 2-Pipe Heat Pump Outdoor Unit 1Ph	154 - 155
Mini SMMSe - VRF 2-Pipe Heat Pump Outdoor Unit 3ph	156 - 157
SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit	158 - 160
SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit - Combinations	161 - 180
SHRMu - VRF 3-Pipe Heat Recovery	181 - 183
SHRMu - VRF 3-Pipe Heat Recovery - Combinations	184 - 192
SHRMu - Flow Selector Boxes	193



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

Outdoor unit - SD	MCY-	MHP0406HT-E	MHP0506HT-E1	MHP0404HS-E
Outdoor Unit Retail Price		£3,681	£3,974	£4,484
Rated Cooling capacity	kW	12.1	14.0	12.1
Rated Heating capacity	kW	12.5	16.0	12.5
Maximum Number Of Indoor Units	Qty	8	10	8
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.08-3.83 - 320.2-150.2	7.77-3.88 - 307.8-152.2	9.42-4.17 - 373.8-163.8
Sound pressure level	dB(A)	57	58	52
Dimensions (HxWxD)	mm	910 x 990 x 390	910 x 990 x 390	1235 x 990 x 390
Weight	kg	100	100	127
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	220/240-1-50 & 25	220/240-1-50 & 20
Power Cable - OD		(3C+E)	(3C+E)	(3C+E)
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Max pipe length - Max height separation*	m	90 - 15/15	90 - 15/15	100 - 20/30
Refrigerant base charge R410A	kg	3.3	3.3	6.4

* Figures given are for OD below/above indoor unit



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

Outdoor unit - SD	MCY-	MHP0504HS-E	MHP0604HS-E
Outdoor Unit Retail Price		£5,071	£5,452
Rated Cooling capacity	kW	14.0	15.5
Rated Heating capacity	kW	16.0	18
Maximum Number Of Indoor Units	Qty	10	13
SEER - SCOP - Energy Label (or nsc %)	kW/kW	9.23-4.24 - 366.2-166.6	9.68-4.37 - 384.2-171.8
Sound pressure level	dB(A)	53	54
Dimensions (HxWxD)	mm	1235 x 990 x 390	1235 x 990 x 390
Weight	kg	127	127
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 25	220/240-1-50 & 25
Power Cable - OD		(3C+E)	(3C+E)
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	3/4" - 3/8"
Max pipe length - Max height separation*	m	100 - 20/30	100 - 20/30
Refrigerant base charge R410A	kg	6.4	6.4

* Figures given are for OD below/above indoor unit

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

Outdoor unit - SD	MCY-	MHP0404HS8-E	MHP0504HS8-E	MHP0604HS8-E
Outdoor Unit Retail Price		£4,585	£5,197	£5,495
Rated Cooling capacity	kW	12.1	14.0	15.5
Rated Heating capacity	kW	12.5	16.0	18.0
Maximum Number Of Indoor Units	Qty	8	10	13
SEER - SCOP - Energy Label (or nsc %)	kW/kW	9.47-4.19 - 375.8-164.6	9.29-4.25 - 368.6-167.0	9.74-4.38 - 386.6-172.2
Sound pressure level	dB(A)	52	53	54
Dimensions (HxWxD)	mm	1235 x 990 x 390	1235 x 990 x 390	1235 x 990 x 390
Weight	kg	125	125	125
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 10	380/415-3-50 & 16	380/415-3-50 & 16
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	3/4 - 3/8
Max pipe length - Max height separation*	m	180 - 20/30	180 - 20/30	180 - 20/30
Refrigerant base charge R410A	kg	6.4	6.4	6.4

* Figures given are for OD below/above indoor unit



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

Outdoor unit - SD	MCY-	MHP0806HS8-E	MHP1006HS8-E	MHP1206HS8-E
Outdoor Unit Retail Price		£6,810	£7,051	£7,467
Rated Cooling capacity	kW	22.4	28.0	33.5
Rated Heating capacity	kW	22.4	28.0	33.5
Maximum Number Of Indoor Units	Qty	12	16	20
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.09-4.50 - 320.6-177.0	7.40-4.42 - 293.0-173.8	6.70-4.30 -
Sound pressure level	dB(A)	59	60	62
Dimensions (HxWxD)	mm	1740 x 990 x 390	1740 x 990 x 390	1740 x 990 x 390
Weight	kg	147	147	156
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 20	380/415-3-50 & 25	380/415-3-50 & 32
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
Pipe Connections (Gas - Liquid)	inch	3/4 - 3/8	3/4 - 3/8	7/8 - 1/2
Max pipe length - Max height separation*	m	300 - 30/50	300 - 30/50	300 - 30/50
Refrigerant base charge R410A	kg	4.4	4.4	4.4

* Figures given are for OD below/above indoor unit

TOSHIBA**SMMSu - VRF 2-Pipe Heat Pump Outdoor Unit**

Outdoor unit	MMY-	MUP0801HT8P-E	MUP1001HT8P-E	MUP1201HT8P-E
Outdoor Unit Retail Price		£7,898	£8,579	£9,925
Rated Cooling capacity	kW	22.4	28.0	33.5
Rated Heating capacity	kW	25.0	31.5	37.5
Maximum Number Of Indoor Units	Qty	18	22	27
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.44-4.50 - 294.6-177.0	7.73-4.78 - 306.2-188.2	7.32-4.75 - 289.8-187.0
Sound pressure level	dB(A)	56	58	62
Dimensions (HxWxD)	mm	1690 x 990 x 780	1690 x 990 x 780	1690 x 990 x 780
Weight	kg	228.00	228.00	228.00
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 20	380/415-3-50 & 25	380/415-3-50 & 32
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
Pipe Connections (Gas - Liquid)	inch	3/4 - 1/2	7/8 - 1/2	1-1/8 - 1/2
Max pipe length - Max height separation*	m	500 - 40/70	500 - 40/70	500 - 40/70
Refrigerant base charge R410A	kg	6.0	6.0	6.0

* Figures given are for OD below/above indoor unit



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

Outdoor unit	MMY-	MUP1401HT8P-E	MUP1601HT8P-E	MUP1801HT8P-E
Outdoor Unit Retail Price		£11,895	£12,952	£14,047
Rated Cooling capacity	kW	40.0	45.0	50.4
Rated Heating capacity	kW	45.0	50.0	56.0
Maximum Number Of Indoor Units	Qty	31	36	40
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.05-4.60 - 279.0-181.0	7.71-4.79 - 305.4-188.6	7.68-4.75 - 304.2-187.0
Sound pressure level	dB(A)	62	63	67
Dimensions (HxWxD)	mm	1690 x 990 x 780	1690 x 1290 x 780	1690 x 1290 x 780
Weight	kg	228.00	312.00	312.00
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 40	380/415-3-50 & 40	380/415-3-50 & 40
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
Pipe Connections (Gas - Liquid)	inch	1-1/8 - 5/8	1-1/8 - 5/8	1-1/8 - 5/8
Max pipe length - Max height separation*	m	500 - 40/70	500 - 40/70	500 - 40/70
Refrigerant base charge R410A	kg	6.0	9.0	9.0

* Figures given are for OD below/above indoor unit

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

Outdoor unit	MMY-	MUP2001HT8P-E	MUP2201HT8P-E	MUP2401HT8P-E1
Outdoor Unit Retail Price		£15,015	£16,052	£17,636
Rated Cooling capacity	kW	56.0	61.5	67.0
Rated Heating capacity	kW	63.0	69.0	70.0
Maximum Number Of Indoor Units	Qty	45	49	54
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.62-4.43 - 301.8-174.2	7.23-4.44 - 286.2-174.6	6.87-4.17 - 271.8-163.8
Sound pressure level	dB(A)	67	67	67
Dimensions (HxWxD)	mm	1690 x 1290 x 780	1690 x 1290 x 780	1690 x 1290 x 780
Weight	kg	334.00	356.00	356.00
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 40	380/415-3-50 & 50	380/415-3-50 & 63
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
Pipe Connections (Gas - Liquid)	inch	1-1/8 - 5/8	1-1/8 - 3/4	1-3/8 - 3/4
Max pipe length - Max height separation*	m	500 - 40/70	500 - 40/70	500 - 40/70
Refrigerant base charge R410A	kg	9.0	9.0	9.0

* Figures given are for OD below/above indoor unit



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

Outdoor Reference	MMY-	UP2611HT8P-E	UP2811HT8P-E	UP3011HT8P-E
Unit 1	MMY-	MUP1401HT8P-E	MUP1401HT8P-E	MUP1801HT8P-E
Unit 2	MMY-	MUP1201HT8P-E	MUP1401HT8P-E	MUP1201HT8P-E
System Retail Price		£21,820	£23,790	£23,972
Rated Cooling capacity	kW	73.5	80.0	83.9
Rated Heating capacity	kW	73.5	80.0	83.9
Maximum Number Of Indoor Units	Qty	58	63	64
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.17-4.67 - 283.8-183.8	7.05-4.60 - 279.0-181.0	7.52-4.75 - 297.8-187.0
Dimensions (HxWxD)	mm	1690 x 2000 x 780	1690 x 2000 x 780	1690 x 2300 x 780
Weight	kg	228 + 228	228 + 228	312 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E) & 40+32	(4C+E) & 40+40	(4C+E)& 40+32
Pipe Connections (Gas - Liquid)	inch	1 3/8 - 3/4	1 3/8 - 3/4	1 3/8 - 3/4
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	6 + 6	6 + 6	9 + 6

* Figures given are for OD below/above indoor unit

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

Outdoor Reference	MMY-	UP3211HT8P-E	UP3411HT8P-E	UP3611HT8P-E
Unit 1	MMY-	MUP2001HT8P-E	MUP2001HT8P-E	MUP2401HT8P-E1
Unit 2	MMY-	MUP1201HT8P-E	MUP1401HT8P-E	MUP1201HT8P-E
System Retail Price		£24,940	£26,910	£27,561
Rated Cooling capacity	kW	89.5	96.0	100.5
Rated Heating capacity	kW	89.5	96.0	100.5
Maximum Number Of Indoor Units	Qty	65	66	67
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.50-4.55 - 297.0-179.0	7.38-4.50 - 292.2-177.0	7.01-4.38 - 277.4-172.2
Dimensions (HxWxD)	mm	1690 x 2300 x 780	1690 x 2300 x 780	1690 x 2300 x 780
Weight	kg	334 + 228	334 + 228	356 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 40+32	(4C+E)& 40+40	(4C+E)& 63+32
Pipe Connections (Gas - Liquid)	inch	1 3/8 - 3/4	1 3/8 - 3/4	1 5/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	9 + 6	9 + 6	9 + 6

* Figures given are for OD below/above indoor unit



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

Outdoor Reference	MMY-	UP3811HT8P-E	UP4011HT8P-E	UP4211HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2001HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP1401HT8P-E	MUP2001HT8P-E	MUP1801HT8P-E
System Retail Price		£29,531	£30,030	£31,683
Rated Cooling capacity	kW	107.0	112.0	117.4
Rated Heating capacity	kW	107.0	112.0	117.4
Maximum Number Of Indoor Units	Qty	68	69	70
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.93-4.33 - 274.2-170.2	7.62-4.43 - 301.8-174.2	7.22-4.43 - 285.8-174.2
Dimensions (HxWxD)	mm	1690 x 2300 x 780	1690 x 2600 x 780	1690 x 2600 x 780
Weight	kg	356 + 228	334 + 334	356 + 312
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+40	(4C+E)& 40+40	(4C+E)& 63+40
Pipe Connections (Gas - Liquid)	inch	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	9 + 6	9 + 9	9 + 9

* Figures given are for OD below/above indoor unit

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

Outdoor Reference	MMY-	UP4411HT8P-E	UP4611HT8P-E	UP4811HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2001HT8P-E	MUP2201HT8P-E	MUP2401HT8P-E
System Retail Price		£32,651	£33,688	£35,272
Rated Cooling capacity	kW	123.0	128.5	134.0
Rated Heating capacity	kW	123.0	128.5	134.0
Maximum Number Of Indoor Units	Qty	71	72	73
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.21-4.30 - 285.4-169.0	7.04-4.31 - 278.6-169.4	6.87-4.17 - 271.8-163.8
Dimensions (HxWxD)	mm	1690 x 2600 x 780	1690 x 2600 x 780	1690 x 2600 x 780
Weight	kg	356 + 334	356 + 356	356 + 356
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+40	(4C+E)& 63+50	(4C+E)& 63+63
Pipe Connections (Gas - Liquid)	inch	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	9 + 9	9 + 9	9 + 9

* Figures given are for OD below/above indoor unit



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

Outdoor Reference	MMY-	UP5011HT8P-E	UP5211HT8P-E	UP5411HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2001HT8P-E
Unit 2	MMY-	MUP1401HT8P-E	MUP1401HT8P-E	MUP2001HT8P-E
Unit 3		MUP1201HT8P-E	MUP1401HT8P-E	MUP1401HT8P-E
System Retail Price		£39,456	£41,426	£41,925
Rated Cooling capacity	kW	140.5	147.0	152.0
Rated Heating capacity	kW	140.5	147.0	152.0
Maximum Number Of Indoor Units	Qty	74	75	76
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.02-4.44 - 277.8-174.6	6.96-4.41 - 275.4-173.4	7.49-4.47 - 296.6-175.8
Dimensions (HxWxD)	mm	1690 x 3310 x 780	1690 x 3310 x 780	1690 x 3610 x 780
Weight	kg	356 + 228 + 228	356 + 228 + 228	334 + 334 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+40+32	(4C+E)& 63+40+40	(4C+E)& 40+40+40
Pipe Connections (Gas - Liquid)	inch	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	9 + 6 + 6	9 + 6 + 6	9 + 9 + 6

* Figures given are for OD below/above indoor unit

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

Outdoor Reference	MMY-	UP5611HT8P-E	UP5811HT8P-E	UP6011HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2001HT8P-E	MUP2001HT8P-E	MUP2401HT8P-E
Unit 3		MUP1201HT8P-E	MUP1401HT8P-E	MUP1201HT8P-E
System Retail Price		£42,576	£44,546	£45,197
Rated Cooling capacity	kW	156.5	163.0	167.5
Rated Heating capacity	kW	156.5	163.0	167.5
Maximum Number Of Indoor Units	Qty	77	78	79
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.23-4.41 - 286.2-173.4	7.19-4.37 - 284.6-171.8	6.95-4.30 - 275.0-169.0
Dimensions (HxWxD)	mm	1690 x 3610 x 780	1690 x 3610 x 780	1690 x 3610 x 780
Weight	kg	356 + 334 + 228	356 + 334 + 228	356 + 356 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+40+32	(4C+E)& 63+40+40	(4C+E) & 63+63+32
Pipe Connections (Gas - Liquid)	inch	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	9 + 9 + 6	9 + 9 + 6	9 + 9 + 6

* Figures given are for OD below/above indoor unit



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

Outdoor Reference	MMY-	UP6211HT8P-E	UP6411HT8P-E	UP6611HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2001HT8P-E	MUP2201HT8P-E
Unit 3		MUP1401HT8P-E	MUP2001HT8P-E	MUP2001HT8P-E
System Retail Price		£47,167	£47,666	£48,703
Rated Cooling capacity	kW	174.0	179.0	184.5
Rated Heating capacity	kW	174.0	179.0	184.5
Maximum Number Of Indoor Units	Qty	80	81	82
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.92-4.27 - 273.8-167.8	7.34-4.34 - 290.6-170.6	7.21-4.35 - 285.4-171.0
Dimensions (HxWxD)	mm	1690 x 3610 x 780	1690 x 3910 x 780	1690 x 3910 x 780
Weight	kg	356 + 356 + 228	356 + 334 + 334	356 + 356 + 334
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+40	(4C+E)& 63+40+40	(4C+E)& 63+50+40
Pipe Connections (Gas - Liquid)	inch	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	9 + 9 + 6	9 + 9 + 9	9 + 9 + 9

* Figures given are for OD below/above indoor unit

TOSHIBA



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

Outdoor Reference	MMY-	UP6811HT8P-E	UP7011HT8P-E	UP7211HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2001HT8P-E	MUP2201HT8P-E	MUP2401HT8P-E
System Retail Price		£50,287	£51,324	£52,908
Rated Cooling capacity	kW	190.0	195.5	201.0
Rated Heating capacity	kW	190.0	195.5	201.0
Maximum Number Of Indoor Units	Qty	83	84	85
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.09-4.26 - 280.6-167.4	6.98-4.26 - 276.2-167.4	6.87-4.17 - 271.8-163.8
Dimensions (HxWxD)	mm	1690 x 3910 x 780	1690 x 3910 x 780	1690 x 3910 x 780
Weight	kg	356 + 356 + 334	356 + 356 + 356	356 + 356 + 356
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+40	(4C+E)& 63+63+50	(4C+E)& 63+63+63
Pipe Connections (Gas - Liquid)	inch	1 5/8 - 7/8	1 5/8 - 7/8	1 5/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	9 + 9 + 9	9 + 9 + 9	9 + 9 + 9

* Figures given are for OD below/above indoor unit



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

Outdoor Reference	MMY-	UP7411HT8P-E	UP7611HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP1401HT8P-E	MUP1401HT8P-E
Unit 4		MUP1201HT8P-E	MUP1401HT8P-E
System Retail Price		£57,092	£59,062
Rated Cooling capacity	kW	207.5	214.0
Rated Heating capacity	kW	207.5	214.0
Maximum Number Of Indoor Units	Qty	86	87
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.97-4.36 - 275.8-171.4	6.93-4.33 - 274.2-170.2
Dimensions (HxWxD)	mm	1690 x 4620 x 780	1690 x 4620 x 780
Weight	kg	356 + 356 + 228 + 228	356 + 356 + 228 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E) & 63+63+40+32	(4C+E) & 63+63+40+40
Pipe Connections (Gas - Liquid)	inch	1 5/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	9 + 9 + 6 + 6	9 + 9 + 6 + 6

* Figures given are for OD below/above indoor unit

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

Outdoor Reference	MMY-	UP7811HT8P-E	UP8011HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2001HT8P-E	MUP2401HT8P-E
Unit 3		MUP2001HT8P-E	MUP2001HT8P-E
Unit 4		MUP1401HT8P-E	MUP1201HT8P-E
System Retail Price		£59,561	£60,212
Rated Cooling capacity	kW	219.0	223.5
Rated Heating capacity	kW	219.0	223.5
Maximum Number Of Indoor Units	Qty	88	90
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.30-4.39 - 289.0-172.6	7.14-4.34 - 282.6-170.6
Dimensions (HxWxD)	mm	1690 x 4920 x 780	1690 x 4920 x 780
Weight	kg	356 + 334 + 334 + 228	356 + 356 + 334 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+40+40+40	(4C+E)& 63+63+40+32
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	9 + 9 + 9 + 6	9 + 9 + 9 + 6

* Figures given are for OD below/above indoor unit



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

Outdoor Reference	MMY-	UP8211HT8P-E	UP8411HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2001HT8P-E	MUP2401HT8P-E
Unit 4		MUP1401HT8P-E	MUP1201HT8P-E
System Retail Price		£62,182	£62,833
Rated Cooling capacity	kW	230.0	234.5
Rated Heating capacity	kW	230.0	234.5
Maximum Number Of Indoor Units	Qty	92	94
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.10-4.32 - 281.0-169.8	6.95-4.26 - 275.0-167.4
Dimensions (HxWxD)	mm	1690 x 4920 x 780	1690 x 4920 x 780
Weight	kg	356 + 356 + 334 + 228	356 + 356 + 356 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+40+40	(4C+E)& 63+63+63+32
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	9 + 9 + 9 + 6	9 + 9 + 9 + 6

* Figures given are for OD below/above indoor unit

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

Outdoor Reference	MMY-	UP8611HT8P-E	UP8811HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2401HT8P-E	MUP2001HT8P-E
Unit 4		MUP1401HT8P-E	MUP2001HT8P-E
System Retail Price		£64,803	£65,302
Rated Cooling capacity	kW	241.0	246.0
Rated Heating capacity	kW	241.0	246.0
Maximum Number Of Indoor Units	Qty	96	98
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.91-4.25 - 273.4-167.0	7.21-4.30 - 285.4-169.0
Dimensions (HxWxD)	mm	1690 x 4920 x 780	1690 x 5220 x 780
Weight	kg	356 + 356 + 356 + 228	356 + 356 + 334 + 334
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+63+40	(4C+E)& 63+63+40+40
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	9 + 9 + 9 + 6	9 + 9 + 9 + 9

* Figures given are for OD below/above indoor unit



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

Outdoor Reference	MMY-	UP9011HT8P-E	UP9211HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2201HT8P-E	MUP2401HT8P-E
Unit 4		MUP2001HT8P-E	MUP2001HT8P-E
System Retail Price		£66,339	£67,923
Rated Cooling capacity	kW	251.5	257.0
Rated Heating capacity	kW	251.5	257.0
Maximum Number Of Indoor Units	Qty	100	102
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.12-4.30 - 281.8-169.0	7.03-4.24 - 278.2-166.6
Dimensions (HxWxD)	mm	1690 x 5220 x 780	1690 x 5220 x 780
Weight	kg	356 + 356 + 356 + 334	356 + 356 + 356 + 334
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+50+40	(4C+E)& 63+63+63+40
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	9 + 9 + 9 + 9	9 + 9 + 9 + 9

* Figures given are for OD below/above indoor unit

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

Outdoor Reference	MMY-	UP9411HT8P-E	UP9611HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2401HT8P-E	MUP2401HT8P-E
Unit 4		MUP2201HT8P-E	MUP2401HT8P-E
System Retail Price		£68,960	£70,544
Rated Cooling capacity	kW	262.5	268.0
Rated Heating capacity	kW	262.5	268.0
Maximum Number Of Indoor Units	Qty	104	106
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.95-4.24 - 275.0-166.6	6.87-4.17 - 271.8-163.8
Dimensions (HxWxD)	mm	1690 x 5220 x 780	1690 x 5220 x 780
Weight	kg	356 + 356 + 356 + 356	356 + 356 + 356 + 356
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E) & 63+63+63+50	(4C+E)& 63+63+63+63
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	9 + 9 + 9 + 9	9 + 9 + 9 + 9

* Figures given are for OD below/above indoor unit



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

Outdoor Reference	MMY-	UP9811HT8P-E	UP10011HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2401HT8P-E	MUP2401HT8P-E
Unit 4		MUP1401HT8P-E	MUP1401HT8P-E
Unit 5		MUP1201HT8P-E	MUP1401HT8P-E
System Retail Price		£74,728	£76,698
Rated Cooling capacity	kW	274.5	281.0
Rated Heating capacity	kW	274.5	281.0
Maximum Number Of Indoor Units	Qty	108	110
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.95-4.31 - 275.0-169.4	6.94-4.30 - 274.6-169.0
Dimensions (HxWxD)	mm	1690 x 5930 x 780	1690 x 5930 x 780
Weight	kg	356 + 356 + 356 + 228 + 228	356 + 356 + 356 + 228 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+63+40+32	(4C+E)& 63+63+63+40+40
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	9 + 9 + 9 + 6 + 6	9 + 9 + 9 + 6 + 6

* Figures given are for OD below/above indoor unit

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

Outdoor Reference	MMY-	UP10211HT8P-E	UP10411HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2001HT8P-E	MUP2401HT8P-E
Unit 4		MUP2001HT8P-E	MUP2001HT8P-E
Unit 5		MUP1401HT8P-E	MUP1201HT8P-E
System Retail Price		£77,197	£77,848
Rated Cooling capacity	kW	286.0	290.5
Rated Heating capacity	kW	286.0	290.5
Maximum Number Of Indoor Units	Qty	112	114
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.20-4.34 - 285.0-170.6	7.08-4.30 - 280.2-169.0
Dimensions (HxWxD)	mm	1690 x 6230 x 780	1690 x 6230 x 780
Weight	kg	356 + 356 + 334 + 334 + 228	356 + 356 + 356 + 334 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+40+40+40	(4C+E)& 63+63+63+40+32
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	9 + 9 + 9 + 9 + 6	9 + 9 + 9 + 9 + 6

* Figures given are for OD below/above indoor unit



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

Outdoor Reference	MMY-	UP10611HT8P-E	UP10811HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2401HT8P-E	MUP2401HT8P-E
Unit 4		MUP2001HT8P-E	MUP2401HT8P-E
Unit 5		MUP1401HT8P-E	MUP1201HT8P-E
System Retail Price		£79,818	£80,469
Rated Cooling capacity	kW	297.0	301.5
Rated Heating capacity	kW	297.0	301.5
Maximum Number Of Indoor Units	Qty	116	118
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.04-4.29 - 278.6-168.6	6.93-4.24 - 274.2-166.6
Dimensions (HxWxD)	mm	1690 x 6230 x 780	1690 x 6230 x 780
Weight	kg	356 + 356 + 356 + 334 + 228	356 + 356 + 356 + 356 + 228
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+63+40+40	(4C+E)& 63+63+63+63+32
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	9 + 9 + 9 + 9 + 6	9 + 9 + 9 + 9 + 6

* Figures given are for OD below/above indoor unit

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

Outdoor Reference	MMY-	UP11011HT8P-E	UP11211HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2401HT8P-E	MUP2401HT8P-E
Unit 4		MUP2401HT8P-E	MUP2001HT8P-E
Unit 5		MUP1401HT8P-E	MUP2001HT8P-E
System Retail Price		£82,439	£82,938
Rated Cooling capacity	kW	308.0	313.0
Rated Heating capacity	kW	308.0	313.0
Maximum Number Of Indoor Units	Qty	120	122
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.90-4.23 - 273.0-166.2	7.13-4.28 - 282.2-168.2
Dimensions (HxWxD)	mm	1690 x 6230 x 780	1690 x 6530 x 780
Weight	kg	356 + 356 + 356 + 356 + 228	356 + 356 + 356 + 334 + 334
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+63+63+40	(4C+E)& 63+63+63+40+40
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	9 + 9 + 9 + 9 + 6	9 + 9 + 9 + 9 + 9

* Figures given are for OD below/above indoor unit



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

Outdoor Reference	MMY-	UP11411HT8P-E	UP11611HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2401HT8P-E	MUP2401HT8P-E
Unit 4		MUP2201HT8P-E	MUP2401HT8P-E
Unit 5		MUP2001HT8P-E	MUP2001HT8P-E
System Retail Price		£83,975	£85,559
Rated Cooling capacity	kW	318.5	324.0
Rated Heating capacity	kW	318.5	324.0
Maximum Number Of Indoor Units	Qty	124	126
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.07-4.28 - 279.8-168.2	7.00-4.22 - 277.0-165.8
Dimensions (HxWxD)	mm	1690 x 6530 x 780	1690 x 6530 x 780
Weight	kg	356 + 356 + 356 + 356 + 334	356 + 356 + 356 + 356 + 334
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+63+50+40	(4C+E)& 63+63+63+63+40
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	9 + 9 + 9 + 9 + 9	9 + 9 + 9 + 9 + 9

* Figures given are for OD below/above indoor unit

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

Outdoor Reference	MMY-	UP11811HT8P-E	UP12011HT8P-E
Unit 1	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 2	MMY-	MUP2401HT8P-E	MUP2401HT8P-E
Unit 3		MUP2401HT8P-E	MUP2401HT8P-E
Unit 4		MUP2401HT8P-E	MUP2401HT8P-E
Unit 5		MUP2201HT8P-E	MUP2401HT8P-E
System Retail Price		£86,596	£88,180
Rated Cooling capacity	kW	329.5	335.0
Rated Heating capacity	kW	329.5	335.0
Maximum Number Of Indoor Units	Qty	128	128
SEER - SCOP - Energy Label (or nsc %)	kW/kW	6.93-4.23 - 274.2-166.2	6.87-4.17 - 271.8-163.8
Dimensions (HxWxD)	mm	1690 x 6530 x 780	1690 x 6530 x 780
Weight	kg	356 + 356 + 356 + 356 + 356	356 + 356 + 356 + 356 + 356
Suggested Power - OD	V-ph-Hz & A	380-415/3/50	380-415/3/50
Power Cable & Suggested fuse Size - OD		(4C+E)& 63+63+63+63+50	(4C+E)& 63+63+63+63+63
Pipe Connections (Gas - Liquid)	inch	2 1/8 - 7/8	2 1/8 - 7/8
Max pipe length - Max height separation*	m	1200 - 40 /70	1200 - 40 /70
Refrigerant base charge R410A	kg	9 + 9 + 9 + 9 + 9	9 + 9 + 9 + 9 + 9

* Figures given are for OD below/above indoor unit



SHRMu - VRF 3-Pipe Heat Recovery

Outdoor unit	MMY-	MUP0801FT8P-E	MUP1001FT8P-E	MUP1201FT8P-E
Outdoor Unit Retail Price		£8,692	£9,452	£12,119
Rated Cooling capacity	kW	22.4	28.0	33.5
Rated Heating capacity	kW	22.4	28.0	33.5
Maximum Number Of Indoor Units	Qty	18	22	27
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.83-4.44 - 310.2-174.6	7.82-4.67 - 309.8-183.8	7.41-4.62 - 293.4-181.8
Sound pressure level - C/H	dB(A)	53/56	55/58	59/62
Dimensions (HxWxD)	mm	1690 x 990 x 780	1690 x 990 x 780	1690 x 990 x 780
Weight	kg	250	250	250
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 20	380-415/3/50 & 25	380-415/3/50 & 32
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	3/4 - 5/8 - 1/2	7/8 - 3/4 - 1/2	1 1/8 - 3/4 - 1/2
Max pipe length - Max height separation*	m	500 - 40/90	500 - 40/90	500 - 40/90
Refrigerant base charge R410A	kg	6.0	6.0	6.0

* Figures given are for OD below/above indoor unit

TOSHIBA**SHRMu - VRF 3-Pipe Heat Recovery (Continued)**

Outdoor unit	MMY-	MUP1401FT8P-E	MUP1601FT8P-E	MUP1801FT8P-E
Outdoor Unit Retail Price		£12,723	£14,015	£14,990
Rated Cooling capacity	kW	40.0	45.0	50.4
Rated Heating capacity	kW	40.0	45.0	50.4
Maximum Number Of Indoor Units	Qty	31	36	40
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.11-4.3 - 281.4-169.0	8.02-4.65 - 317.8-183.0	7.91-4.49 - 313.4-176.6
Sound pressure level - C/H	dB(A)	60/64	61/63	62/67
Dimensions (HxWxD)	mm	1690 x 990 x 780	1690 x 1290 x 780	1690 x 1290 x 780
Weight	kg	250	352	352
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 40	380-415/3/50 & 40	380-415/3/50 & 40
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1 1/8 - 3/4 - 5/8	1 1/8 - 7/8 - 5/8	1 1/8 - 7/8 - 5/8
Max pipe length - Max height separation*	m	500 - 40/90	500 - 40/90	500 - 40/90
Refrigerant base charge R410A	kg	6.0	9.0	9.0

* Figures given are for OD below/above indoor unit



SHRMu - VRF 3-Pipe Heat Recovery (Continued)

Outdoor unit	MMY-	MUP2001FT8P-E	MUP2201FT8P-E	MUP2401FT8P-E
Outdoor Unit Retail Price		£16,035	£18,365	£19,732
Rated Cooling capacity	kW	56.0	61.5	64.5
Rated Heating capacity	kW	56.0	61.5	64.5
Maximum Number Of Indoor Units	Qty	45	49	54
SEER - SCOP - Energy Label (or nsc %)	kW/kW	7.77-4.29 - 307.8-168.6	7.3-4.26 - 277.4-167.4	6.66-4.04 - 263.4-158.6
Sound pressure level - C/H	dB(A)	63/67	63/67	63/67
Dimensions (HxWxD)	mm	1690 x 1290 x 780	1690 x 1290 x 780	1690 x 1290 x 780
Weight	kg	352	376	376
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 40	380-415/3/50 & 50	380-415/3/50 & 63
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1 1/8 - 7/8 - 5/8	1 1/8 - 7/8 - 3/4	1 1/8 - 7/8 - 3/4
Max pipe length - Max height separation*	m	500 - 40/90	500 - 40/90	500 - 40/90
Refrigerant base charge R410A	kg	9.0	9	9

* Figures given are for OD below/above indoor unit

TOSHIBA**SHRMu - VRF 3-Pipe Heat Recovery - Combinations**

Outdoor Reference	MMY-	UP2611FT8P-E	UP2811FT8P-E
Unit 1	MMY-	MUP1401FT8P-E	MUP1401FT8P-E
Unit 2	MMY-	MUP1201FT8P-E	MUP1401FT8P-E
System Retail Price		£24,842	£25,446
Rated Cooling capacity	kW	73.5	80.0
Rated Heating capacity	kW	73.5	80.0
Maximum Number Of Indoor Units	Qty	58	63
EER/SEER - COP/SCOP	kW/kW	3.02/7.19 - 3.90/4.45	2.82/7.11 - 3.61/4.30
Sound pressure level - C/H	dB(A)	63/66	63/67
Dimensions (HxWxD)	mm	1690 x 1980 x 780	1690 x 1980 x 780
Weight	kg	250 x2	250 x2
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 40 + 32	380-415/3/50 & 40 + 40
Power Cable - OD		(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1 1/8 - 3/4 - 5/8-1/2	1 1/8 - 3/4 - 5/8
Max pipe length - Max height separation*	m	500 - 40/90	500 - 40/90
Refrigerant base charge R410A	kg	12.0	12.0

* Figures given are for OD below/above indoor unit



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

Outdoor Reference	MMY-	UP3011FT8P-E	UP3211FT8P-E
Unit 1	MMY-	MUP2001FT8P-E	MUP2001FT8P-E
Unit 2	MMY-	MUP1001FT8P-E	MUP1201FT8P-E
System Retail Price		£25,487	£28,154
Rated Cooling capacity	kW	84.0	89.5
Rated Heating capacity	kW	84.0	89.5
Maximum Number Of Indoor Units	Qty	64	65
EER/SEER - COP/SCOP	kW/kW	3.30/7.65 - 3.87/4.50	3.22/7.56 - 3.99/4.49
Sound pressure level - C/H	dB(A)	64/68	65/68
Dimensions (HxWxD)	mm	1690 x 2280 x 780	1690 x 2280 x 780
Weight	kg	352 + 250	352 + 250
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 40 + 25	380-415/3/50 & 40 + 32
Power Cable - OD		(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1 1/8-7/8 - 7/8-3/4 - 5/8-1/2	1 1/8-7/8 - 7/8-3/4 - 5/8-1/2
Max pipe length - Max height separation*	m	500 - 40/90	500 - 40/90
Refrigerant base charge R410A	kg	15.0	15.0

* Figures given are for OD below/above indoor unit

TOSHIBA**SHRMu - VRF 3-Pipe Heat Recovery - Combinations (Continued)**

Outdoor Reference	MMY-	UP3411FT8P-E	UP3611FT8P-E
Unit 1	MMY-	MUP2001FT8P-E	MUP2001FT8P-E
Unit 2	MMY-	MUP1401FT8P-E	MUP1601FT8P-E
System Retail Price		£28,758	£30,050
Rated Cooling capacity	kW	96.0	101.0
Rated Heating capacity	kW	96.0	101.0
Maximum Number Of Indoor Units	Qty	66	67
EER/SEER - COP/SCOP	kW/kW	3.01/7.40 - 3.73/4.36	3.23/7.86 - 3.80/4.51
Sound pressure level - C/H	dB(A)	65/67	65/69
Dimensions (HxWxD)	mm	1690 x 2280 x 780	1690 x 2560 x 780
Weight	kg	352 + 250	352 x 2
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 40 + 40	380-415/3/50 & 40 + 40
Power Cable - OD		(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1 1/8-7/8 - 7/8-3/4 - 5/8-1/2	1 1/8 - 7/8 - 5/8
Max pipe length - Max height separation*	m	500 - 40/90	500 - 40/90
Refrigerant base charge R410A	kg	15.0	18.0

* Figures given are for OD below/above indoor unit



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

Outdoor Reference	MMY-	UP3811FT8P-E	UP4011FT8P-E
Unit 1	MMY-	MUP2001FT8P-E	MUP2001FT8P-E
Unit 2	MMY-	MUP1801FT8P-E	MUP2001FT8P-E
System Retail Price		£31,025	£32,070
Rated Cooling capacity	kW	106.4	112.0
Rated Heating capacity	kW	106.4	112.0
Maximum Number Of Indoor Units	Qty	68	69
EER/SEER - COP/SCOP	kW/kW	3.21/7.83 - 3.91/4.45	3.16/7.77 - 3.83/4.29
Sound pressure level - C/H	dB(A)	66/70	66/70
Dimensions (HxWxD)	mm	1690 x 2560 x 780	1690 x 2560 x 780
Weight	kg	352 x 2	352 x 2
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 40 + 40	380-415/3/50 & 40 + 40
Power Cable - OD		(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1 1/8 - 7/8 - 5/8	1 1/8 - 7/8 - 5/8
Max pipe length - Max height separation*	m	500 - 40/90	500 - 40/90
Refrigerant base charge R410A	kg	18.0	18.0

* Figures given are for OD below/above indoor unit

TOSHIBA**SHRMu - VRF 3-Pipe Heat Recovery - Combinations (Continued)**

Outdoor Reference	MMY-	UP4211FT8P-E	UP4411FT8P-E
Unit 1	MMY-	MUP1401FT8P-E	MUP2001FT8P-E
Unit 2	MMY-	MUP1401FT8P-E	MUP1401FT8P-E
Unit 3	MMY-	MUP1401FT8P-E	MUP1001FT8P-E
System Retail Price		£38,169	£38,210
Rated Cooling capacity	kW	120.0	124.0
Rated Heating capacity	kW	120.0	124.0
Maximum Number Of Indoor Units	Qty	70	71
EER/SEER - COP/SCOP	kW/kW	2.82/7.11 - 3.61/4.30	3.13/7.48 - 3.78/4.43
Sound pressure level - C/H	dB(A)	65/69	65/69
Dimensions (HxWxD)	mm	1690 x 2970 x 780	1690 x 3270 x 780
Weight	kg	250 x 3	352 + 250 x2
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 40 x3	380-415/3/50 & 40 x2 + 25
Power Cable - OD		(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1 1/8 - 3/4 - 5/8	1 1/8-7/8 - 7/8-3/4 - 5/8-1/2
Max pipe length - Max height separation*	m	500 - 40/90	500 - 40/90
Refrigerant base charge R410A	kg	18.0	21.0

* Figures given are for OD below/above indoor unit



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

Outdoor Reference	MMY-	UP4611FT8P-E	UP4811FT8P-E
Unit 1	MMY-	MUP2001FT8P-E	MUP2001FT8P-E
Unit 2	MMY-	MUP1401FT8P-E	MUP1401FT8P-E
Unit 3	MMY-	MUP1201FT8P-E	MUP1401FT8P-E
System Retail Price		£40,877	£41,481
Rated Cooling capacity	kW	129.5	136.0
Rated Heating capacity	kW	129.5	136.0
Maximum Number Of Indoor Units	Qty	72	73
EER/SEER - COP/SCOP	kW/kW	3.08/7.47 - 3.87/4.43	2.95/7.35 - 3.18/4.33
Sound pressure level - C/H	dB(A)	66/70	66/70
Dimensions (HxWxD)	mm	1690 x 3270 x 780	1690 x 3270 x 780
Weight	kg	352 + 250 x2	352 + 250 x2
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 40 x 2 + 32	380-415/3/50 & 40 x 3
Power Cable - OD		(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1 1/8 - 7/8-3/4 - 5/8-1/2	1 1/8 - 7/8-3/4 - 5/8-1/2
Max pipe length - Max height separation*	m	500 - 40/90	500 - 40/90
Refrigerant base charge R410A	kg	21.0	21.0

* Figures given are for OD below/above indoor unit

TOSHIBA**SHRMu - VRF 3-Pipe Heat Recovery - Combinations (Continued)**

Outdoor Reference	MMY-	UP5011FT8P-E	UP5211FT8P-E
Unit 1	MMY-	MUP2001FT8P-E	MUP2001FT8P-E
Unit 2	MMY-	MUP2001FT8P-E	MUP2001FT8P-E
Unit 3	MMY-	MUP1001FT8P-E	MUP1201FT8P-E
System Retail Price		£41,522	£44,189
Rated Cooling capacity	kW	140.0	145.5
Rated Heating capacity	kW	140.0	145.5
Maximum Number Of Indoor Units	Qty	74	75
EER/SEER - COP/SCOP	kW/kW	3.24/7.74 - 3.85/4.46	3.20/7.66 - 3.93/4.46
Sound pressure level - C/H	dB(A)	67/71	67/71
Dimensions (HxWxD)	mm	1690 x 3570 x 780	1690 x 3570 x 780
Weight	kg	352 x 2 + 250	352 x 2 + 250
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 40 x 2 + 25	380-415/3/50 & 40 x 2 + 32
Power Cable - OD		(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1 1/8-7/8 - 7/8-3/4 - 5/8-1/2	1 1/8 - 7/8-3/4 - 5/8-1/2
Max pipe length - Max height separation*	m	500 - 40/90	500 - 40/90
Refrigerant base charge R410A	kg	24.0	24.0

* Figures given are for OD below/above indoor unit



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

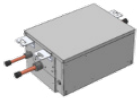
Outdoor Reference	MMY-	UP5411FT8P-E	UP5611FT8P-E
Unit 1	MMY-	MUP2001FT8P-E	MUP2001FT8P-E
Unit 2	MMY-	MUP2001FT8P-E	MUP2001FT8P-E
Unit 3	MMY-	MUP1401FT8P-E	MUP1601FT8P-E
System Retail Price		£44,793	£46,085
Rated Cooling capacity	kW	152.0	157.0
Rated Heating capacity	kW	152.0	157.0
Maximum Number Of Indoor Units	Qty	76	77
EER/SEER - COP/SCOP	kW/kW	3.06/7.56 - 3.77/4.37	3.21/7.83 - 3.48/4.47
Sound pressure level - C/H	dB(A)	67/71	67/71
Dimensions (HxWxD)	mm	1690 x 3570 x 780	1690 x 3870 x 780
Weight	kg	352 x 2 + 250	352 x 3
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 40 x 3	380-415/3/50 & 40 x 3
Power Cable - OD		(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1 1/8 - 7/8-3/4 - 5/8	1 1/8 - 7/8 - 5/8
Max pipe length - Max height separation*	m	500 - 40/90	500 - 40/90
Refrigerant base charge R410A	kg	24.0	27.0

* Figures given are for OD below/above indoor unit

TOSHIBA**SHRMu - VRF 3-Pipe Heat Recovery - Combinations (Continued)**

Outdoor Reference	MMY-	UP5811FT8P-E	UP6011FT8P-E
Unit 1	MMY-	MUP2001FT8P-E	MUP2001FT8P-E
Unit 2	MMY-	MUP2001FT8P-E	MUP2001FT8P-E
Unit 3	MMY-	MUP1801FT8P-E	MUP2001FT8P-E
System Retail Price		£47,060	£48,105
Rated Cooling capacity	kW	162.4	168.0
Rated Heating capacity	kW	162.4	168.0
Maximum Number Of Indoor Units	Qty	78	79
EER/SEER - COP/SCOP	kW/kW	3.20/7.80 - 3.88/4.43	3.16/7.77 - 3.83/4.29
Sound pressure level - C/H	dB(A)	68/72	68/72
Dimensions (HxWxD)	mm	1690 x 3870 x 780	1690 x 3870 x 780
Weight	kg	352 x 3	352 x 3
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380-415/3/50 & 40 x 3	380-415/3/50 & 40 x 3
Power Cable - OD		(4C+E)	(4C+E)
Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1 1/8 - 7/8 - 5/8	1 1/8 - 7/8 - 5/8
Max pipe length - Max height separation*	m	500 - 40/90	500 - 40/90
Refrigerant base charge R410A	kg	27.0	27.0

* Figures given are for OD below/above indoor unit



VRF Indoor Units - Flow Selector Boxes

Flow Selector Unit	RBM-	YP1121FUVPE	YP1801FUVPE	YP2801FUVPE
Flow Selector Unit Retail Price		£947	£1,051	£1,647
Height x Width x Depth	mm	206 x 385 x282	206 x 385 x282	206 x 385 x282
Weight	kg	10	10	10
Standard 2 Core Control Cable Max. Length	m	<300	<300	<300
Standard 3 Core Power Cable Max. Length	m	<50	<50	<50
Individual Power Supply	V-ph-Hz - A	220-240/1/50 - 6	220-240/1/50 - 6	220-240/1/50 - 6



Multi Flow Selector Unit	RBM-	YP1801FUW4PE	YP1801FUW8PE	YP1801FUW12PE
Flow Selector Unit Retail Price		£2,830	£4,169	£6,254
Height x Width x Depth	mm	293 x 338 x 468	293 x 578 x 468	293 x 818 x 468
Weight	kg	21	35	48
Number of Ports		4	8	12
Max. Connectible Indoor Units per Port		10	10	10
Max. Connectible Indoor Units		40	80	120
Max. Remote Controller per Port Individual Indoor Unit Control		10	10	10
Max. Remote Controller per Port Group Indoor Unit Control		2	2	2
Max. Pipe Length from Single Port	m	50	50	50
Max. Total Pipe Length from All Ports	m	120	180	180
Max. Height Difference Between Indoor Units	m	15	15	15
Suggested Power Supply	V-ph-Hz-A	220/240-1-50- 6	220/240-1-50- 6	220/240-1-50- 6

TOSHIBA

VRF

R32 Outdoor Units

VRF R32 Outdoor Units (Heat Pump & Heat Recovery)	Pages
Mini SMMS - VRF 2-Pipe Heat Pump Outdoor Unit 1ph	195
R32 VRF - SHRM Advanced	196 - 198
Flow Selector Boxes	199





Mini SMMS - VRF 2-Pipe Heat Pump Outdoor Unit

Outdoor unit - SD	MCY-	MUG0401HSW-E	MUG0501HSW-E	MUG0601HSW-E
Outdoor Unit Retail Price		£5,049	£5,726	£6,167
Rated Cooling capacity	kW	12.1	14.0	15.5
Rated Heating capacity	kW	12.1	14.0	15.5
Maximum Number Of Indoor Units	Qty	8.0	10.0	13.0
SEER - SCOP - Energy Label (or nsc %)	kW/kW	9.98-5.21 - 396.2-205.4	9.21-4.93 - 365.4-194.2	8.80-4.80 - 349.0-189.0
Sound pressure level - C	dB(A)	54	55	56
Dimensions (HxWxD)	mm	1050 x 1010 x 370	1050 x 1010 x 370	1050 x 1010 x 370
Weight	kg	100	100	100
Suggested Power & Fuse rating - OD	V-ph-Hz & A	220/240-1-50 & 20	220/240-1-50 & 25	220/240-1-50 & 25
Power Cable - OD		(3C+E)	(3C+E)	(3C+E)
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8
Max pipe length - Max height separation*	m	100 - 20/30	100 - 20/30	100 - 20/30
Refrigerant base charge R32	kg	2.4	2.4	2.4

* Figures given are for OD below/above indoor unit

TOSHIBA**R32 VRF - SHRM Advanced**

Outdoor unit	MMY-	SUG0801MT8P-E	SUG1001MT8P-E	SUG1201MT8P-E
Outdoor Unit Retail Price		£8,802	£9,567	£12,666
Rated Cooling capacity	kW	22.4	28.0	33.5
Rated Heating capacity	kW	22.4	28.0	33.5
Maximum Number Of Indoor Units	Qty	18	22	27
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.90-4.44 - 353.0-174.6	8.69-4.67 - 344.6-183.8	8.23-4.62 - 326.2-181.8
Sound pressure level - C	dB(A)	56	58	62
Dimensions (HxWxD)	mm	1690 x 990 x 780	1690 x 990 x 780	1690 x 990 x 780
Weight	kg	232	232	232
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 20	380/415-3-50 & 32	380/415-3-50 & 32
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
2 Pipe Connections (Hot Gas - Liquid)	inch	5/8 - 1/2	3/4 - 1/2	3/4 - 1/2
3 Pipe Connections - (Suction - Hot Gas - Liquid)	inch	3/4 - 5/8 - 1/2	7/8 - 3/4 - 1/2	7/8 - 3/4 - 1/2
Max pipe length - Max height separation*	m	500 - 40/90	500 - 40/90	500 - 40/90
Refrigerant base charge R32	kg	6.0	6.0	6.0

* Figures given are for OD below/above indoor unit



R32 VRF - SHRM Advanced (Continued)

Outdoor unit	MMY-	SUG1401MT8P-E	SUG1601MT8P-E	SUG1801MT8P-E
Outdoor Unit Retail Price		£13,296	£14,656	£15,674
Rated Cooling capacity	kW	40.0	45.0	50.4
Rated Heating capacity	kW	40.0	45.0	50.4
Maximum Number Of Indoor Units	Qty	31	36	40
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.08-4.30 - 320.2-169.0	8.64-4.65 - 342.6-183.0	8.32-4.49 - 329.8-176.6
Sound pressure level - C	dB(A)	63	64	67
Dimensions (HxWxD)	mm	1690 x 990 x 780	1690 x 1290 x 780	1690 x 1290 x 780
Weight	kg	232	329	329
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 40	380/415-3-50 & 40	380/415-3-50 & 50
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
2 Pipe Connections (Hot Gas - Liquid)	inch	3/4 - 1/2	7/8 - 5/8	7/8 - 5/8
3 Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1 1/8 - 3/4 - 1/2	1 1/8 - 7/8 - 5/8	1 1/8 - 7/8 - 5/8
Max pipe length - Max height separation*	m	500 - 40/90	500 - 40/90	500 - 40/90
Refrigerant base charge R32	kg	6.0	9.0	9.0

* Figures given are for OD below/above indoor unit

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

Outdoor unit	MMY-	SUG2001MT8P-E	SUG2201MT8P-E	SUG2401MT8P-E
Outdoor Unit Retail Price		£16,763	£17,928	£19,175
Rated Cooling capacity	kW	56.0	61.5	67.0
Rated Heating capacity	kW	56.0	61.5	67.0
Maximum Number Of Indoor Units	Qty	45	49	54
SEER - SCOP - Energy Label (or nsc %)	kW/kW	8.29-4.29 - 328.6-168.6	7.88-4.26 - 312.2-167.4	6.66-4.04 - 263.4-158.6
Sound pressure level - C	dB(A)	67	67	69
Dimensions (HxWxD)	mm	1690 x 1290 x 780	1690 x 1290 x 780	1690 x 1290 x 780
Weight	kg	361	361	361
Suggested Power & Fuse rating - OD	V-ph-Hz & A	380/415-3-50 & 50	380/415-3-50 & 63	380/415-3-50 & 80
Power Cable - OD		(4C+E)	(4C+E)	(4C+E)
2 Pipe Connections (Hot Gas - Liquid)	inch	7/8 - 5/8	7/8 - 5/8	7/8 - 5/8
3 Pipe Connections - (Suction - Hot Gas - Liquid)	inch	1 1/8 - 7/8 - 5/8	1 1/8 - 7/8 - 5/8	1 1/8 - 7/8 - 5/8
Max pipe length - Max height separation*	m	500 - 40/90	500 - 40/90	500 - 40/90
Refrigerant base charge R32	kg	9.0	9.0	9.0

* Figures given are for OD below/above indoor unit



Flow Selector Boxes

Flow Selector Unit	RBM-	Y1121FUPE	Y1801FUPE	Y2801FUPE
Flow Selector Unit Retail Price		£1,167	£1,296	£2,031
Height x Width x Depth	mm	206 x 385 x 282	206 x 385 x 282	200 x 640 x 200
Weight	kg	11	11	11
Max. Connectible Indoor Units		6	10	16
Equivalent Capacity	hp	<4	4 - <6.4	6.4 <10
Max. Pipe Length from Single Port	m	50	50	50
Power Supply From Local or Group Indoor Unit	V-ph-Hz	220-240/1/50	220-240/1/50	220-240/1/50



Multi Flow Selector Unit	RBM-	Y1801FU4PE	Y1801FU8PE	Y1801FU12PE
Flow Selector Unit Retail Price		£3,038	£4,557	£6,835
Height x Width x Depth	mm	293 x 338 x 468	293 x 578 x 468	293 x 818 x 468
Weight	kg	22	36	50
Number of Ports		4	8	12
Max. Connectible Indoor Units per Port		10	10	10
Max. Connectible Indoor Units		40	80	120
Max. Pipe Length from Single Port	m	50	50	50
Max. Total Pipe Length from All Ports	m	120	180	180
Suggested Power Supply	V-ph-Hz- & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 10

TOSHIBA

VRF Indoor Units

VRF R410a & R32 Indoor Units	Pages	
VRF Indoor Units - High wall	201 - 206	VRF Indoor Units - Bi-Flow 235 - 236
VRF Indoor Units - Smart Cassette	207 - 209	VRF Indoor Units - Floor-Standing 237 - 238
VRF Indoor Units - Compact Cassette	210 - 211	VRF Indoor Units - Fresh Air Intake 239 - 240
VRF Indoor Units - Standard Cassette	212 - 214	VRF Indoor Units - Hot Water Module 241
VRF Indoor Units - 2-Way Cassette	215 - 217	RBC-DXC031 Air Handling Unit Applications 242
VRF Indoor Units - 1-Way Cassette	218 - 220	VRF Air Handling Unit Application Single-Circuit DX Coils 243 - 245
VRF Indoor Units - Ceiling	221 - 222	VRF Air Handling Unit Application Single & Multi-Circuit DX Coils 246 - 272
VRF Indoor Units - Slim Ducted	223 - 241	VRF Accessories 273 - 280
VRF Indoor Units - Ducted	226 - 228	
VRF Indoor Units - High Static Ducted	229 - 230	
VRF Indoor Units - Concealed	231 - 232	
VRF Indoor Units - Cabinet	233 - 243	





VRF Indoor Units - High wall

Indoor unit	MMK-	UP0031HP-E	UP0051HP-E	UP0071HP-E
Indoor Unit Retail Price		£710	£746	£758
Rated Cooling capacity	kW	0.9	1.7	2.2
Rated Heating capacity	kW	1.3	1.9	2.5
UK Cooling Total/Sensible	kW	0.9/0.7	1.5/1.4	2.0/1.6
UK Heating	kW	0.9	1.3	1.7
Sound pressure level (H/M/L)	dB(A)	33-29-25	33-29-25	35-30-25
Indoor Airflow (H-M-L)	l/s	126 - 103 - 75	126 - 103 - 75	133 - 107 - 75
Dimensions (HxWxD)	mm	293 x 798 x 230	293 x 798 x 230	293 x 798 x 230
Weight	kg	11	11	11
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4

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VRF Indoor Units - High wall (Continued)

Indoor unit	MMK-	UP0091HP-E	UP0121HP-E	UP0151HP-E
Indoor Unit Retail Price		£769	£783	£886
Rated Cooling capacity	kW	2.8	3.6	4.5
Rated Heating capacity	kW	3.2	4.0	5.0
UK Cooling Total/Sensible	kW	2.5/1.9	3.3/2.4	4.1/3.0
UK Heating	kW	2.2	2.7	3.4
Sound pressure level (H/M/L)	dB(A)	36-31-25	37-32-25	40-36-32
Indoor Airflow (H-M-L)	l/s	141 - 110 - 75	150 - 114 - 75	233 - 192 - 153
Dimensions (HxWxD)	mm	293 x 798 x 230	293 x 798 x 230	320 x 1050 x 250
Weight	kg	11	11	16
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4



VRF Indoor Units - High wall (Continued)

Indoor unit	MMK-	UP0181HP-E	UP0241HP-E	UP0271HP-E
Indoor Unit Retail Price		£904	£997	£1,169
Rated Cooling capacity	kW	5.6	7.1	8.0
Rated Heating capacity	kW	6.3	8.0	9.0
UK Cooling Total/Sensible	kW	5.1/3.7	6.4/4.7	7.1/5.6
UK Heating	kW	4.3	5.4	6.1
Sound pressure level (H/M/L)	dB(A)	41-37-32	45-39-33	43-41-39
Indoor Airflow (H-M-L)	l/s	250 - 200 - 153	333 - 250 - 167	333 - 277 - 222
Dimensions (HxWxD)	mm	320 x 1050 x 250	320 x 1050 x 250	348 x 1200 x 280
Weight	kg	16	16	21
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8

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

Indoor unit	MMK-	UP0301HP-E	UP0361HP-E
Indoor Unit Retail Price		£1,229	£1,296
Rated Cooling capacity	kW	9.0	11.2
Rated Heating capacity	kW	10.0	12.5
UK Cooling Total/Sensible	kW	8.0/6.3	10.0/7.8
UK Heating	kW	6.8	8.5
Sound pressure level (H/M/L)	dB(A)	48-44-41	50-45-43
Indoor Airflow (H-M-L)	l/s	403 - 361 - 305	458 - 375 - 347
Dimensions (HxWxD)	mm	348 x 1200 x 280	348 x 1200 x 280
Weight	kg	21	21
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8



VRF Indoor Units - High wall

Indoor unit	MMK-	UP0051DHPL-E	UP0071DHPL-E	UP0091DHPL-E
VRF 2-Pipe Valve Kit	RBM-	PMV0361UP-E	PMV0361UP-E	PMV0361UP-E
Retail Price inc. VRF 2-Pipe Valve Kit		£1,014	£1,032	£1,044
Rated Cooling capacity	kW	1.7	2.2	2.8
Rated Heating capacity	kW	1.9	2.5	3.2
UK Cooling Total/Sensible	kW	1.5/1.4	2.0/1.6	2.5/1.9
UK Heating	kW	1.3	1.7	2.2
Sound pressure level (H/M/L)	dB(A)	33/29/25	35/30/25	36/31/25
Indoor Airflow (H-M-L)	l/s	126 - 103 - 83	133 - 107 - 83	142 - 110 - 83
Dimensions (HxWxD)	mm	300 x 987 x 210	300 x 987 x 210	300 x 987 x 210
Weight	kg	11	11	11
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4

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

Indoor unit	MMK-	UP0121DHPL-E	UP0151DHPL-E	UP0181DHPL-E
VRF 2-Pipe Valve Kit	RBM-	PMV0361UP-E	PMV0901UP-E	PMV0901UP-E
Retail Price inc. VRF 2-Pipe Valve Kit		£1,064	£1,206	£1,228
Rated Cooling capacity	kW	3.6	4.5	5.6
Rated Heating capacity	kW	4.0	5.0	6.3
UK Cooling Total/Sensible	kW	3.3/2.4	4.1/3.0	5.1/3.7
UK Heating	kW	2.7	3.4	4.3
Sound pressure level (H/M/L)	dB(A)	37/32/25	40/35/30	45/39/32
Indoor Airflow (H-M-L)	l/s	150 - 114 - 83	161 - 133 - 106	203 - 167 - 117
Dimensions (HxWxD)	mm	300 x 987 x 210	300 x 987 x 210	300 x 987 x 210
Weight	kg	11	11	11
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4



VRF Indoor Units - Smart Cassette

Indoor unit	MMU-	UP0091H-E	UP0121H-E	UP0151H-E	UP0181H-E
Fascia Panel	RBC-	U41PG(W)-E	U41PG(W)-E	U41PG(W)-E	U41PG(W)-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£1,703	£1,836	£2,010	£2,101
Rated Cooling capacity	kW	2.8	3.6	4.5	5.6
Rated Heating capacity	kW	3.2	4.0	5.0	6.3
UK Cooling Total/Sensible	kW	2.5/2.0	3.3/2.5	4.1/3.0	5.1/3.8
UK Heating	kW	2.2	2.7	3.4	4.3
Sound pressure level (H/M/L)	dB(A)	30-28-26	30-28-26	30-28-26	30-28-26
Indoor Airflow (H-M-L)	l/s	235 - 213 -197	235 - 213 -197	294 - 256 -222	350 - 306 -261
Dimensions (HxWxD) Indoor	mm	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840	319 x 840 x 840
Dimensions (HxWxD) Panel	mm	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950
Weight Indoor/Panel	kg	18/5	18/5	25/5	25/5
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4

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VRF Indoor Units - Smart Cassette (Continued)

Indoor unit	MMU-	UP0241H-E	UP0271H-E	UP0301H-E	UP0361H-E
Fascia Panel	RBC-	U41PG(W)-E	U41PG(W)-E	U41PG(W)-E	U41PG(W)-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£2,159	£2,194	£2,258	£2,322
Rated Cooling capacity	kW	7.1	8.0	9.0	11.2
Rated Heating capacity	kW	8.0	9.0	10.0	12.5
UK Cooling Total/Sensible	kW	6.4/4.6	7.3/5.2	8.2/5.9	10.2/7.3
UK Heating	kW	5.4	6.1	6.8	8.5
Sound pressure level (H/M/L)	dB(A)	30-28-26	30-28-26	30-28-26	30-28-26
Indoor Airflow (H-M-L)	l/s	439 - 361 -311	492 - 383 -347	539 - 422 -389	607 - 443 -350
Dimensions (HxWxD) Indoor	mm	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840	319 x 840 x 840
Dimensions (HxWxD) Panel	mm	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950	30 x 950 x 950
Weight Indoor/Panel	kg	25/5	25/5	25/5	25/5
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8



VRF Indoor Units - Smart Cassette (Continued)

Indoor unit	MMU-	UP0481H-E	UP0561H-E
Fascia Panel	RBC-	U41PG(W)-E	U41PG(W)-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£2,439	£2,603
Rated Cooling capacity	kW	14.0	16.0
Rated Heating capacity	kW	16.0	18.0
UK Cooling Total/Sensible	kW	12.7/9.3	14.5/10.4
UK Heating	kW	10.9	12.2
Sound pressure level (H/M/L)	dB(A)	30-28-26	30-28-26
Indoor Airflow (H-M-L)	l/s	628 - 483 -380	628 - 495 -390
Dimensions (HxWxD) Indoor	mm	319 x 840 x 840	319 x 840 x 840
Dimensions (HxWxD) Panel	mm	30 x 950 x 950	30 x 950 x 950
Weight Indoor/Panel	kg	25/5	25/5
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8

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VRF Indoor Units - Compact Cassette

Indoor unit	MMU-	UP0051MHP-E	UP0071MHP-E	UP0091MHP-E	UP0121MHP-E
Fascia Panel (White)	RBC-	UM21P-E	UM21P-E	UM21P-E	UM21P-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£1,356	£1,383	£1,465	£1,517
Rated Cooling capacity	kW	1.7	2.2	2.8	3.6
Rated Heating capacity	kW	1.9	2.5	3.2	4.0
UK Cooling Total/Sensible	kW	1.5/1.3	2.0/1.7	2.5/2.1	3.3/2.5
UK Heating	kW	1.3	1.3	1.7	2.2
Sound pressure level (H/M/L)	dB(A)	31-28-26	32-29-26	33-30-26	33-30-27
Indoor Airflow (H-M-L)	l/s	120 - 112 - 102	153 - 128 - 105	158 - 130 - 105	165 - 140 - 112
Dimensions (HxWxD) Indoor	mm	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575	256 x 575 x 575
Dimensions (HxWxD) Panel	mm	12x620x620	12x620x620	12x620x620	12x620x620
Weight Indoor/Panel	kg	15/2.5	15/2.5	15/2.5	15/2.5
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4



VRF Indoor Units - Compact Cassette (Continued)

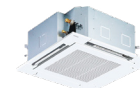
Indoor unit	MMU-	UP0151MHP-E	UP0181MHP-E
Fascia Panel (White)	RBC-	UM21P-E	UM21P-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£1,581	£1,664
Rated Cooling capacity	kW	4.5	5.6
Rated Heating capacity	kW	5.0	6.3
UK Cooling Total/Sensible	kW	4.1/3.1	5.1/3.9
UK Heating	kW	2.7	3.4
Sound pressure level (H/M/L)	dB(A)	37-33-29	43-38-33
Indoor Airflow (H-M-L)	l/s	183 - 153 - 130	233 - 167 - 145
Dimensions (HxWxD) Indoor	mm	256 x 575 x 575	256 x 575 x 575
Dimensions (HxWxD) Panel	mm	12x620x620	12x620x620
Weight Indoor/Panel	kg	15/2.5	15/2.5
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	1/2 - 1/4

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VRF Indoor Units - Standard Cassette

Indoor unit	MMU-	UP0091HP-E	UP0121HP-E	UP0151HP-E	UP0181HP-E
Fascia Panel	RBC-	U33P-E	U33P-E	U33P-E	U33P-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£1,264	£1,294	£1,351	£1,378
Rated Cooling capacity	kW	2.8	3.6	4.5	5.6
Rated Heating capacity	kW	3.2	4.0	5.0	6.3
UK Cooling Total/Sensible	kW	2.5/2.0	3.3/2.5	4.1/3.0	5.1/3.8
UK Heating	kW	2.2	2.7	3.4	4.3
Sound pressure level (H/M/L)	dB(A)	30-29-27	30-29-27	31-29-27	32-29-27
Indoor Airflow (H-M-L)	l/s	222 - 203 - 188	222 - 203 - 188	258 - 230 - 220	292 - 255 - 222
Dimensions (HxWxD) Indoor	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840
Dimensions (HxWxD) Panel	mm	30x950x950	30x950x950	30x950x950	30x950x950
Weight Indoor/Panel	kg	18/4	18/4	20/4	20/4
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4



VRF Indoor Units - Standard Cassette (Continued)

Indoor unit	MMU-	UP0241HP-E	UP0271HP-E	UP0301HP-E	UP0361HP-E
Fascia Panel	RBC-	U33P-E	U33P-E	U33P-E	U33P-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£1,427	£1,644	£1,774	£1,859
Rated Cooling capacity	kW	7.1	8.0	9.0	11.2
Rated Heating capacity	kW	8.0	9.0	10.0	12.5
UK Cooling Total/Sensible	kW	6.4/4.6	7.3/5.2	8.2/5.9	10.2/7.3
UK Heating	kW	5.4	6.1	6.8	8.5
Sound pressure level (H/M/L)	dB(A)	35-31-28	35-31-28	38-33-30	43-38-32
Indoor Airflow (H-M-L)	l/s	358 - 255 - 222	358 - 255 - 222	367 - 305 - 237	547 - 397 - 297
Dimensions (HxWxD) Indoor	mm	256 x 840 x 840	256 x 840 x 840	256 x 840 x 840	319 x 840 x 840
Dimensions (HxWxD) Panel	mm	30x950x950	30x950x950	30x950x950	30x950x950
Weight Indoor/Panel	kg	20/4	20/4	20/4	25/4
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8

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

Indoor unit	MMU-	UP0481HP-E	UP0561HP-E
Fascia Panel	RBC-	U33P-E	U33P-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£1,932	£2,143
Rated Cooling capacity	kW	14.0	16.0
Rated Heating capacity	kW	16.0	18.0
UK Cooling Total/Sensible	kW	12.7/9.3	14.5/10.4
UK Heating	kW	10.9	12.2
Sound pressure level (H/M/L)	dB(A)	46-38-33	46-40-33
Indoor Airflow (H-M-L)	l/s	592 - 397 - 313	592 - 422 - 342
Dimensions (HxWxD) Indoor	mm	319 x 840 x 840	319 x 840 x 840
Dimensions (HxWxD) Panel	mm	30x950x950	30x950x950
Weight Indoor/Panel	kg	25/4	25/4
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8



VRF Indoor Units - 2-Way Cassette

Indoor unit	MMU-	UP0071WH-E	UP0091WH-E	UP0121WH-E	UP0151WH-E
Fascia Panel	RBC-	UW283PG(W)-E	UW283PG(W)-E	UW283PG(W)-E	UW283PG(W)-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£1,797	£1,845	£1,890	£1,950
Rated Cooling capacity	kW	2.2	2.8	3.6	4.5
Rated Heating capacity	kW	2.5	3.2	4.0	5.0
UK Cooling Total/Sensible	kW	2.0/1.5	2.5/1.9	3.3/2.4	4.1/2.9
UK Heating	kW	1.7	2.2	2.7	3.4
Sound pressure level (H/M/L)	dB(A)	34-32-30	34-32-30	34-32-30	35-33-30
Indoor Airflow (H-M-L)	l/s	155 - 138 - 125	155 - 138 - 125	155 - 138 - 125	167 - 148 - 125
Dimensions (HxWxD) Indoor	mm	295 x 815 x 570	295 x 815 x 570	295 x 815 x 570	295 x 815 x 570
Dimensions (HxWxD) Panel	mm	20x1050x680	20x1050x680	20x1050x680	20x1050x680
Weight Indoor/Panel	kg	18/10	18/10	18/10	18/10
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4

TOSHIBA**VRF Indoor Units - 2-Way Cassette (Continued)**

Indoor unit	MMU-	UP0181WH-E	UP0241WH-E	UP0271WH-E	UP0301WH-E
Fascia Panel	RBC-	UW803PG(W)-E	UW803PG(W)-E	UW803PG(W)-E	UW803PG(W)-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£2,219	£2,326	£2,605	£2,625
Rated Cooling capacity	kW	5.6	7.1	8.0	9.0
Rated Heating capacity	kW	6.3	8.0	9.0	10.0
UK Cooling Total/Sensible	kW	5.1/3.7	6.4/4.6	7.3/5.0	8.2/5.4
UK Heating	kW	4.3	5.4	6.1	6.8
Sound pressure level (H/M/L)	dB(A)	35-33-30	38-35-33	38-35-33	40-37-34
Indoor Airflow (H-M-L)	l/s	250 - 208 - 172	292 - 233 - 205	292 - 233 - 205	350 - 250 - 217
Dimensions (HxWxD) Indoor	mm	345 x 1180 x 570	345 x 1180 x 570	345 x 1180 x 570	345 x 1180 x 570
Dimensions (HxWxD) Panel	mm	20x1415x680	20x1415x680	20x1415x680	20x1415x680
Weight Indoor/Panel	kg	26/14	26/14	26/14	26/14
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8



VRF Indoor Units - 2-Way Cassette (Continued)

Indoor unit	MMU-	UP0361WH-E	UP0481WH-E	UP0561WH-E
Fascia Panel	RBC-	UW1403PG(W)-E	UW1403PG(W)-E	UW1403PG(W)-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£3,124	£3,375	£3,654
Rated Cooling capacity	kW	11.2	14.0	16.0
Rated Heating capacity	kW	12.5	16.0	18.0
UK Cooling Total/Sensible	kW	10.2/7.3	12.7/8.5	14.5/9.4
UK Heating	kW	8.5	10.9	12.2
Sound pressure level (H/M/L)	dB(A)	42-39-36	43-40-37	46-42-39
Indoor Airflow (H-M-L)	l/s	483 - 398 - 328	500 - 412 - 342	567 - 438 - 367
Dimensions (HxWxD) Indoor	mm	345 x 1600 x 570	345 x 1600 x 570	345 x 1600 x 570
Dimensions (HxWxD) Panel	mm	20x1835x680	20x1835x680	20x1835x680
Weight Indoor/Panel	kg	36/14	36/14	36/14
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8

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

Indoor unit	MMU-	UP0051YHP-E	UP0071YHP-E	UP0091YHP-E
Fascia Panel	RBC-	UY32P-E	UY32P-E	UY32P-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£1,632	£1,671	£1,711
Rated Cooling capacity	kW	1.7	2.2	2.8
Rated Heating capacity	kW	1.9	2.5	3.2
UK Cooling Total/Sensible	kW	1.5/1.4	2.0/1.6	2.5/1.9
UK Heating	kW	1.3	1.7	2.2
Sound pressure level (H/M/L)	dB(A)	37-33-25	38-34-25	39-35-26
Indoor Airflow (H-M-L)	l/s	133 - 102 - 75	150 - 133 - 117	150 - 133 - 117
Dimensions (HxWxD) Indoor	mm	150 x 990 x 450	150 x 990 x 450	150 x 990 x 450
Dimensions (HxWxD) Panel	mm	30x1220x530	30x1220x530	30x1220x530
Weight Indoor/Panel	kg	14/4	14/4	14/4
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4



VRF Indoor Units - 1-Way Cassette (Continued)

Indoor unit	MMU-	UP0121YHP-E	UP0151YHP-E	UP0181YHP-E
Fascia Panel	RBC-	UY32P-E	UY42P-E	UY42P-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£1,753	£1,916	£2,133
Rated Cooling capacity	kW	3.6	4.5	5.6
Rated Heating capacity	kW	4.0	5.0	6.3
UK Cooling Total/Sensible	kW	3.3/2.4	4.1/2.9	5.1/3.7
UK Heating	kW	2.7	3.4	4.3
Sound pressure level (H/M/L)	dB(A)	40-36-26	39-36-33	40-37-33
Indoor Airflow (H-M-L)	l/s	150 - 133 - 117	208 - 175 - 139	222 - 181 - 139
Dimensions (HxWxD) Indoor	mm	150 x 990 x 450	150 x 1180 x 450	150 x 1180 x 450
Dimensions (HxWxD) Panel	mm	30x1220x530	30x1410x530	30x1410x530
Weight Indoor/Panel	kg	14/4	15/5	15/5
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	1/2 - 1/4	1/2 - 1/4

TOSHIBA**VRF Indoor Units - 1-Way Cassette (Continued)**

Indoor unit	MMU-	UP0241YHP-E	UP0271YHP-E
Fascia Panel	RBC-	UY42P-E	UY42P-E
Indoor Unit Retail Price (Inc. Fascia Panel)		£2,242	£2,316
Rated Cooling capacity	kW	7.1	8.0
Rated Heating capacity	kW	8.0	9.0
UK Cooling Total/Sensible	kW	6.4/4.6	7.3/5.0
UK Heating	kW	5.4	9.0
Sound pressure level (H/M/L)	dB(A)	46-42-37	47-44-41
Indoor Airflow (H-M-L)	l/s	261 - 211 - 167	278 - 239 - 200
Dimensions (HxWxD) Indoor	mm	150 x 1180 x 450	150 x 1180 x 450
Dimensions (HxWxD) Panel	mm	30x1410x530	30x1410x530
Weight Indoor/Panel	kg	16/5	16/5
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8



VRF Indoor Units - Ceiling

Indoor unit	MMC-	UP0151HP-E	UP0181HP-E	UP0241HP-E	UP0271HP-E
Indoor Unit Retail Price		£1,522	£1,682	£1,782	£1,798
Rated Cooling capacity	kW	4.5	5.6	7.1	8.0
Rated Heating capacity	kW	5.0	6.3	8.0	9.0
UK Cooling Total/Sensible	kW	4.1/3.0	5.1/3.7	6.4/4.8	7.3/5.3
UK Heating	kW	3.4	4.3	5.4	6.1
Sound pressure level (H/M/L)	dB(A)	36-34-28	36-34-28	36-34-28	36-34-28
Indoor Airflow (H-M-L)	l/s	233 - 200 - 150	267 - 200 - 150	400 - 283 - 217	400 - 283 - 217
Dimensions (HxWxD) Indoor	mm	235 x 952 x 690	235 x 952 x 690	235 x 1270 x 690	235 x 1270 x 690
Weight Indoor	kg	24	24	30	30
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8

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

Indoor unit	MMC-	UP0361HP-E	UP0481HP-E	UP0561HP-E
Indoor Unit Retail Price		£1,826	£1,857	£1,987
Rated Cooling capacity	kW	11.2	14.0	16.0
Rated Heating capacity	kW	12.5	16.0	18.0
UK Cooling Total/Sensible	kW	10.2/7.2	12.7/9.3	14.5/9.4
UK Heating	kW	8.5	10.9	12.2
Sound pressure level (H/M/L)	dB(A)	36-34-28	36-34-28	36-34-28
Indoor Airflow (H-M-L)	l/s	517 - 383 - 283	517 - 433 - 333	567 - 467 - 350
Dimensions (HxWxD) Indoor	mm	235 x 1586 x 690	235 x 1586 x 690	235 x 1586 x 690
Weight Indoor	kg	39	39	39
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8



VRF Indoor Units - Slim Ducted

Indoor unit	MMD-	UP0031SPHY-E	UP0051SPHY-E	UP0071SPHY-E
Indoor Unit Retail Price		£880	£884	£896
Rated Cooling capacity	kW	0.9	1.7	2.2
Rated Heating capacity	kW	1.0	1.9	2.5
UK Cooling Total/Sensible	kW	0.8/0.6	1.5/1.1	2.0/1.6
UK Heating	kW	0.7	1.3	1.7
Sound pressure level, rear suction (H/M/L)	dB(A)	29-27-25	30-28-26	31-29-26
Sound pressure level, bottom suction (H/M//L)	dB(A)	37-35-32	39-37-34	41-39-35
Indoor Airflow (H-M-L)	l/s	114 - 103 - 97	125 - 114 - 106	150 - 128 - 111
Max external static pressure	Pa	50	50	50
Dimensions (HxWxD)	mm	210 x 700 x 450	210 x 700 x 450	210 x 700 x 450
Weight	kg	15	15	15
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4

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VRF Indoor Units - Slim Ducted (Continued)

Indoor unit	MMD-	UP0091SPHY-E	UP0121SPHY-E	UP0151SPHY-E
Indoor Unit Retail Price		£913	£939	£954
Rated Cooling capacity	kW	2.8	3.6	4.5
Rated Heating capacity	kW	3.2	4.0	5.0
UK Cooling Total/Sensible	kW	2.5/2.0	3.3/2.5	4.1/2.9
UK Heating	kW	2.2	2.7	3.4
Sound pressure level, rear suction (H/M/L)	dB(A)	32-29-26	33-30-27	33-30-28
Sound pressure level, bottom suction (H/M//L)	dB(A)	42-40-36	44-40-37	42-39-37
Indoor Airflow (H-M-L)	l/s	158 - 139 - 117	167 - 144 - 122	192 - 178 - 153
Max external static pressure	Pa	50	50	50
Dimensions (HxWxD)	mm	210 x 700 x 450	210 x 700 x 450	210 x 900 x 450
Weight	kg	15	15	19
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4



VRF Indoor Units - Slim Ducted (Continued)

Indoor unit	MMD-	UP0181SPHY-E	UP0241SPHY-E	UP0271SPHY-E
Indoor Unit Retail Price		£1,003	£1,083	£1,169
Rated Cooling capacity	kW	5.6	7.1	8.0
Rated Heating capacity	kW	6.3	8.0	9.0
UK Cooling Total/Sensible	kW	5.1/3.5	6.4/4.4	7.3/4.9
UK Heating	kW	4.3	5.4	6.1
Sound pressure level, rear suction (H/M/L)	dB(A)	34-32-29	36-33-30	37-34-32
Sound pressure level, bottom suction (H/M//L)	dB(A)	44-42-39	47-44-41	48-45-43
Indoor Airflow (H-M-L)	l/s	217 - 203 - 181	300 - 264 - 239	317 - 272 - 253
Max external static pressure	Pa	50	50	50
Dimensions (HxWxD)	mm	210 x 900 x 450	210 x 1110 x 450	210 x 1110 x 450
Weight	kg	19	22	22
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8

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VRF Indoor Units - Ducted

Indoor unit*	MMD-	UP0051BHP-E	UP0071BHP-E	UP0091BHP-E	UP0121BHP-E
Indoor Unit Retail Price		£985	£1,007	£1,037	£1,063
Rated Cooling capacity	kW	1.7	2.2	2.8	3.6
Rated Heating capacity	kW	1.9	2.5	3.2	4.0
UK Cooling Total/Sensible	kW	1.5/1.3	2.0/1.7	2.5/2.1	3.2/2.4
UK Heating	kW	1.3	1.7	2.2	2.7
Sound pressure level (H/M/L)	dB(A)	29-26-23	29-26-23	30-26-23	30-26-23
Indoor Airflow (H-M-L)	l/s	150 - 125 - 100	150 - 125 - 100	158 - 133 - 108	158 - 133 - 108
Max external static pressure	Pa	150	150	150	150
Dimensions (HxWxD)	mm	275 x 700 x 750	275 x 700 x 750	275 x 700 x 750	275 x 700 x 750
Weight	kg	23	23	23	23
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4

* Vertical Conversion Kit (RBC-VCK1 - £681-) available as option



VRF Indoor Units - Ducted (Continued)

Indoor unit*	MMD-	UP0151BHP-E	UP0181BHP-E	UP0241BHP-E	UP0271BHP-E
Indoor Unit Retail Price		£1,095	£1,167	£1,220	£1,354
Rated Cooling capacity	kW	4.5	5.6	7.1	8.0
Rated Heating capacity	kW	5.0	6.3	8.0	9.0
UK Cooling Total/Sensible	kW	4.0/3.3	5.0/3.7	6.3/4.8	7.1/5.4
UK Heating	kW	3.4	4.3	5.4	6.1
Sound pressure level (H/M/L)	dB(A)	33-29-25	33-29-25	33-30-27	33-30-27
Indoor Airflow (H-M-L)	l/s	256 - 183 - 150	256 - 183 - 150	3667 - 303 - 242	3667 - 303 - 242
Max external static pressure	Pa	150	150	150	150
Dimensions (HxWxD)	mm	275 x 700 x 750	275 x 700 x 750	275 x 1000 x 750	275 x 1000 x 750
Weight	kg	23	23	30	30
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8

* Vertical Conversion Kit (RBC-VCK1 - £681-) available as option

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VRF Indoor Units - Ducted (Continued)

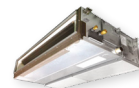
Indoor unit*	MMD-	UP0301BHP-E	UP0361BHP-E	UP0481BHP-E	UP0561BHP-E
Indoor Unit Retail Price		£1,444	£1,657	£1,773	£1,882
Rated Cooling capacity	kW	9.0	11.2	14.0	16.0
Rated Heating capacity	kW	10.0	12.5	16.0	18.0
UK Cooling Total/Sensible	kW	8.0/6.1	10.0/7.7	12.3/9.2	14.3/10.2
UK Heating	kW	6.8	8.5	10.9	12.2
Sound pressure level (H/M/L)	dB(A)	36-31-27	36-34-31	40-36-33	40-36-33
Indoor Airflow (H-M-L)	l/s	403 - 333 - 267	533 - 450 - 383	653 - 533 - 417	
Max external static pressure	Pa	150	150	150	150
Dimensions (HxWxD)	mm	275 x 1000 x 750	275 x 1400 x 750	275 x 1400 x 750	275 x 1400 x 750
Weight	kg	30	40	40	40
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8

* Vertical Conversion Kit (RBC-VCK1 - £681-) available as option



VRF Indoor Units - High Static Ducted

Indoor unit	MMD-	UP0181HP-E	UP0241HP-E	UP0271HP-E	UP0361HP-E
Indoor Unit Retail Price		£1,490	£1,642	£1,713	£1,796
Rated Cooling capacity	kW	5.6	7.1	8.0	11.2
Rated Heating capacity	kW	6.3	8.0	9.0	12.5
UK Cooling Total/Sensible	kW	5.1/3.7	6.4/4.9	7.3/5.5	10.2/7.8
UK Heating	kW	4.3	5.4	6.1	8.5
Sound pressure level (H/M/L)	dB(A)	37-33-31	37-33-31	37-33-31	37-33-31
Indoor Airflow (H-M-L)	l/s	306 - 275 - 250	333 - 292 - 267	417 - 375 - 333	533 - 433 - 372
Max external static pressure	Pa	200	200	200	200
Dimensions (HxWxD)	mm	298 x 1000 x 750	298 x 1000 x 750	298 x 1000 x 750	298 x 1400 x 750
Weight	kg	34	34	34	43
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50& 10	220/240-1-50& 10	220/240-1-50& 10	220/240-1-50& 10
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	5/8 - 3/8	5/8 - 3/8	5/8 - 3/8

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

Indoor unit	MMD-	UP0481HP-E	UP0561HP-E	UP0721HP-E1	UP0961HP-E1
Indoor Unit Retail Price		£1,988	£2,125	£3,587	£3,790
Rated Cooling capacity	kW	14.0	16.0	22.4	28.0
Rated Heating capacity	kW	16.0	18.0	25.0	31.5
UK Cooling Total/Sensible	kW	12.7/9.3	14.5/10.6	20.3/14.1	25.4/17.3
UK Heating	kW	10.9	12.2	17.0	21.4
Sound pressure level (H/M/L)	dB(A)	37-33-31	37-33-31	37-33-31	37-33-31
Indoor Airflow (H-M-L)	l/s	650 - 550 - 471	767 - 650 - 533	1056 - 889 - 694	1333 - 1167 - 972
Max external static pressure	Pa	200	200	250	250
Dimensions (HxWxD)	mm	298 x 1400 x 750	298 x 1400 x 750	448 x 1400 x 900	448 x 1400 x 900
Weight	kg	43	43	97	97
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50& 10	220/240-1-50& 10	220/240-1-50 & 16	220/240-1-50 & 16
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	5/8 - 3/8	7/8 - 3/8	7/8 - 1/2



VRF Indoor Units - Concealed

Indoor unit	MML-	UP0071BH-E	UP0091BH-E	UP0121BH-E	UP0151BH-E
Indoor Unit Retail Price		£1,209	£1,240	£1,275	£1,333
Rated Cooling capacity	kW	2.2	2.8	3.6	4.5
Rated Heating capacity	kW	2.5	3.2	4.0	5.0
UK Cooling Total/Sensible	kW	2.0/1.3	2.5/1.5	3.3/2.1	4.1/2.7
UK Heating	kW	1.7	2.2	2.7	3.4
Sound pressure level (H/M/L)	dB(A)	36-34-32	36-34-32	36-34-32	36-34-32
Indoor Airflow (H-M-L)	l/s	128 - 111 - 83	128 - 111 - 83	128 - 111 - 83	206 - 167 - 136
Max external static pressure	Pa	5	5	5	5
Dimensions (HxWxD)	mm	600 x 745 x 220	600 x 745 x 220	600 x 745 x 220	600 x 1045 x 220
Weight	kg	21	21	21	28
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4

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

Indoor unit	MML-	UP0181BH-E	UP0241BH-E
Indoor Unit Retail Price		£1,419	£1,475
Rated Cooling capacity	kW	5.6	7.1
Rated Heating capacity	kW	6.3	8.0
UK Cooling Total/Sensible	kW	5.1/3.3	6.4/4.2
UK Heating	kW	4.3	5.4
Sound pressure level (H/M/L)	dB(A)	36-34-32	42-37-33
Indoor Airflow (H-M-L)	l/s	206 - 167 - 136	264 - 219 - 178
Max external static pressure	Pa	5	5
Dimensions (HxWxD)	mm	600 x 1045 x 220	600 x 1045 x 220
Weight	kg	28	28
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	5/8 - 3/8



VRF Indoor Units - Cabinet

Indoor unit	MML-	UP0071H-E	UP0091H-E	UP0121H-E	UP0151H-E
Indoor Unit Retail Price		£1,448	£1,483	£1,520	£1,596
Rated Cooling capacity	kW	2.2	2.8	3.6	4.5
Rated Heating capacity	kW	2.5	3.2	4.0	5.0
UK Cooling Total/Sensible	kW	2.0/1.3	2.5/1.5	3.3/2.1	3.8/2.5
UK Heating	kW	1.7	2.2	2.7	3.4
Sound pressure level (H/M/L)	dB(A)	39-37-35	39-37-35	45-41-38	45-41-38
Indoor Airflow (H-M-L)	l/s	133 - 117 - 100	133 - 117 - 100	250 - 217 - 180	250 - 217 - 180
Dimensions (HxWxD)	mm	630 x 950 x 230	630 x 950 x 230	630 x 950 x 230	630 x 950 x 230
Weight	kg	35	35	35	35
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4	1/2 - 1/4

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

Indoor unit	MML-	UP0181H-E	UP0241H-E
Indoor Unit Retail Price		£1,695	£1,768
Rated Cooling capacity	kW	5.6	7.1
Rated Heating capacity	kW	6.3	8.0
UK Cooling Total/Sensible	kW	5.1/3.3	6.4/4.2
UK Heating	kW	4.3	5.4
Sound pressure level (H/M/L)	dB(A)	49-44-39	49-44-39
Indoor Airflow (H-M-L)	l/s	300 - 267 - 217	300 - 267 - 217
Dimensions (HxWxD)	mm	630 x 950 x 230	630 x 950 x 230
Weight	kg	38	38
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	5/8 - 3/8



VRF Indoor Units - Bi-Flow

Indoor unit	MML-	UP0071NHP-E	UP0091NHP-E	UP0121NHP-E
Indoor Unit Retail Price		£1,433	£1,544	£1,656
Rated Cooling capacity	kW	2.2	2.8	3.6
Rated Heating capacity	kW	2.5	3.2	4.0
UK Cooling Total/Sensible	kW	2.0/1.6	2.5/1.9	3.3/2.4
UK Heating	kW	1.7	2.2	2.7
Sound pressure level (H/M/L)	dB(A)	38-32-26	38-32-26	38-32-26
Indoor Airflow (H-M-L)	l/s	142 - 102 - 78	142 - 102 - 78	153 - 113 - 90
Dimensions (HxWxD)	mm	600 x 700 x 220	600 x 700 x 220	600 x 700 x 220
Weight	kg	17	17	17
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	3/8 - 1/4	3/8 - 1/4	3/8 - 1/4

TOSHIBA



VRF Indoor Units - Bi-Flow (Continued)

Indoor unit	MML-	UP0151NHP-E	UP0181NHP-E
Indoor Unit Retail Price		£1,767	£1,835
Rated Cooling capacity	kW	4.5	5.6
Rated Heating capacity	kW	5.0	6.3
UK Cooling Total/Sensible	kW	4.1/2.9	5.1/3.6
UK Heating	kW	3.4	4.3
Sound pressure level (H/M/L)	dB(A)	38-32-26	38-32-26
Indoor Airflow (H-M-L)	l/s	173 - 130 - 107	202 - 147 - 118
Dimensions (HxWxD)	mm	600 x 700 x 220	600 x 700 x 220
Weight	kg	17	17
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	1/2 - 1/4



VRF Indoor Units - Floor-Standing

Indoor unit	MMF-	UP0151H-E	UP0181H-E	UP0241H-E	UP0271H-E
Indoor Unit Retail Price		£2,060	£2,187	£2,282	£2,349
Rated Cooling capacity	kW	4.5	5.6	7.1	8.0
Rated Heating capacity	kW	5.0	6.3	8.0	9.0
UK Cooling Total/Sensible	kW	4.1/3.2	5.1/3.9	6.4/5.0	7.3/5.6
UK Heating	kW	3.4	4.3	5.4	6.1
Sound pressure level (H/M/L)	dB(A)	46-42-38	46-42-38	46-42-38	46-42-38
Indoor Airflow (H-M-L)	l/s	228 - 194 - 167	228 - 194 - 167	258 - 214 - 178	258 - 214 - 178
Dimensions (HxWxD)	mm	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 210	1750 x 600 x 210
Weight	kg	46	46	47	47
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 1/4	1/2 - 1/4	1/2 - 3/8	1/2 - 3/8

* Indoor unit controller is not included in system price

TOSHIBA**VRF Indoor Units - Floor-Standing (Continued)**

Indoor unit	MMF-	UP0361H-E	UP0481H-E	UP0561H-E
Indoor Unit Retail Price		£2,420	£2,540	£2,667
Rated Cooling capacity	kW	11.2	14.0	16.0
Rated Heating capacity	kW	12.5	16.0	18.0
UK Cooling Total/Sensible	kW	10.2/7.6	12.7/9.3	14.5/10.8
UK Heating	kW	8.5	10.9	12.2
Sound pressure level (H/M/L)	dB(A)	46-42-38	46-42-38	46-42-38
Indoor Airflow (H-M-L)	l/s	461 - 394 - 325	489 - 411 - 375	489 - 411 - 375
Dimensions (HxWxD)	mm	1750 x 600 x 390	1750 x 600 x 390	1750 x 600 x 390
Weight	kg	61	61	61
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	inch	1/2 - 3/8	1/2 - 3/8	1/2 - 3/8

* Indoor unit controller is not included in system price



VRF Indoor Units - Fresh Air Intake

Indoor unit	MMD-	UP0481HFP-E	UP0721HFP-E1	UP0961HFP-E1
Indoor Unit Retail Price		£2,680	£4,436	£4,687
Rated Cooling capacity	kW	14.0	22.4	28.0
Rated Heating capacity	kW	8.9	13.9	17.4
UK Cooling Total/Sensible	kW	7.9	12.3	15.3
UK Heating	kW	10.8	16.8	21.0
Sound pressure level (H/M/L)	dB(A)	38-35-31	38-35-31	38-35-31
Indoor Airflow (upper - lower)	l/s	367 - 167	567 - 267	700 - 367
Max external static pressure	Pa	200	200	200
Dimensions (HxWxD)	mm	327 x 1430 x 750	477 x 1430 x 900	477 x 1430 x 900
Weight	kg	44	99	99
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 10	220/240-1-50 & 15	220/240-1-50 & 15
Pipe Connections (Gas - Liquid)	inch	5/8 - 3/8	7/8 - 1/2	7/8 - 1/2

TOSHIBA**VRF****VRF Indoor Units - Fresh Air Intake (Continued)**

Indoor unit	MMD-	UP1121HFP-E1	UP1281HFP-E1
Indoor Unit Retail Price		£5,015	£5,367
Rated Cooling capacity	kW	33.5	40.0
Rated Heating capacity	kW	20.8	25.2
UK Cooling Total/Sensible	kW	18.4	22.3
UK Heating	kW	25.2	30.6
Sound pressure level (H/M/L)	dB(A)	38-35-31	38-35-31
Indoor Airflow (upper - lower)	l/s	850 - 417	1000 - 500
Max external static pressure	Pa	200	200
Dimensions (HxWxD)	mm	477 x 1430 x 900	477 x 1430 x 900
Weight	kg	99	99
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 15	220/240-1-50 & 15
Pipe Connections (Gas - Liquid)	inch	7/8 - 1/2	1"1/8 - 5/8



VRF Indoor Units - Hot Water Module

Indoor unit	MMW-	UP0271LQ-E	UP0561LQ-E
Indoor Unit Retail Price		£3,638	£3,731
Rated Cooling capacity	kW	8.0	16.0
Rated Heating capacity	kW	25.0	27.0
Water Temperature (up to)	°C	55	55
Nominal Flow Rate	l/min	22.9	45.8
Dimensions (HxWxD)	mm	580 x 400 x 250	580 x 400 x 250
Weight	kg	17.8	20.3
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 5	220/240-1-50 & 5
Pipe Connections (Gas - Liquid)	Inch	5/8 - 3/8	5/8 - 3/8

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RBC-DXC031 Air Handling Unit Applications

Outdoor Unit - VRF SMMS-u	MMY-	MUP0801HT8P-E	MUP1001HT8P-E
Electronic Expansion valve	MM-	DXV281	DXV281
Outdoor Unit Retail Price (Inc. EEV)		£7,898	£8,579
Pipe connections (gas - liquid)	inch	3/4 - 1/2	7/8 - 1/2
Max pipe length - Max Height Difference	m	120-70	120-70
Refrigerant	Type/kg/g	R410A/6	R410A/6
Dimensions (HxWxD)	mm	1690 x 990 x 780	1690 x 990 x 780
Total Weight	kg	228	228
Suggested Power & Fuse rating	V-ph-Hz & A	380/415-3-50 & 20	380/415-3-50 & 25
Control Panel	RBC-	DXC031	DXC031
Control Panel Retail Price		£963	£963
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6
AHU DX Coil Design (third party supply)		AHU DX Coil	AHU DX Coil
Cooling	kW	22.4	28.0
Heating	kW	25.0	31.5
Air Volume Min - Max	m3/h	3010 - 5160	3500 - 6000
Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	6.5	6.5
Suction Superheat (Target)	K	5	5



VRF Air Handling Unit Application Single-Circuit DX Coils

System Capacity Or Combination Capacity	HP	4	5	4	5
Control Panel	MM-	DXC010	DXC010	DXC010	DXC010
DXC010 Control Panel Retail Price*		£758	£758	£758	£758
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Wired Controller	RBC-	AMTU31-E	AMTU31-E	AMTU31-E	AMTU31-E
DX Coil Valve Kit Header	MM-	DXV140	DXV140	DXV140	DXV140
DX Coil Valve Kit Price		£356	£356	£356	£356
AHU DX Coil Design (third party supply)		AHU DX COIL	AHU DX COIL	AHU DX COIL	AHU DX COIL
Cooling Capacity	kW	11.2	14.0	11.2	14.0
Heating Capacity	kW	12.5	16.0	12.5	16.0
Air Volume	m3/hr	1280 - 1920	1680 - 2520	1280 - 1920	1680 - 2520
Coil Volume	cm3	1700 - 2300	2125 - 2875	1700 - 2300	2125 - 2875
Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	6.5	6.5	6.5	6.5
Suction Superheat (Target)	K	5	5	5	5
Interface/Valve Retail Price		£1,114	£1,114	£1,114	£1,114

* Control Panel retail price includes controller

TOSHIBA



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

System Capacity Or Combination Capacity	HP	6	4	5	6
Control Panel	MM-	DXC010	DXC010	DXC010	DXC010
DXC010 Control Panel Retail Price*		£758	£758	£758	£758
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Wired Controller	RBC-	AMTU31-E	AMTU31-E	AMTU31-E	AMTU31-E
DX Coil Valve Kit Header	MM-	DXV140	DXV140	DXV140	DXV140
DX Coil Valve Kit Price		£356	£356	£356	£356
AHU DX Coil Design (third party supply)		AHU DX COIL	AHU DX COIL	AHU DX COIL	AHU DX COIL
Cooling Capacity	kW	16.0	11.2	14.0	16.0
Heating Capacity	kW	18.0	12.5	16.0	18.0
Air Volume	m ³ /hr	1850 - 3740	1280 - 1920	1680 - 2520	1850 - 3740
Coil Volume	cm ³	2550 - 3450	1700 - 2300	2125 - 2875	2550 - 3450
Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	6.5	6.5	6.5	6.5
Suction Superheat (Target)	K	5	5	5	5
Interface/Valve Retail Price		£1,114	£1,114	£1,114	£1,114

* Control Panel retail price includes controller



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

System Capacity Or Combination Capacity	HP	8	10
Control Panel	MM-	DXC010	DXC010
DXC010 Control Panel Retail Price*		£758	£758
Dimensions (HxWxD)	mm	400 x 300 x 150	400 x 300 x 150
Weight	kg	8	8
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6
Wired Controller	RBC-	AMTU31-E	AMTU31-E
DX Coil Valve Kit Header	MM-	DXV280	DXV280
DX Coil Valve Kit Price		£356	£356
AHU DX Coil Design (third party supply)		AHU DX COIL	AHU DX COIL
Cooling Capacity	kW	22.4	28.0
Heating Capacity	kW	22.4	28.0
Air Volume	m ³ /hr	2880 - 4320	3360 - 5040
Coil Volume	cm ³	3400 - 4600	4250 - 5750
Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8
Evaporating Temperature Range	°C	6.5	6.5
Suction Superheat (Target)	K	5	5
Interface/Valve Retail Price		£1,114	£1,114

* Control Panel retail price includes controller

TOSHIBA



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

Interface/Valve Retail Price		£1,161	£1,161	£1,161
Dx-coil controller(s)	TCB-IFDMX01UP-E	£679	£679	£679
Dx-Valve kit(s)		£482	£482	£482
Interface/Valve Retail Price		£1,449	£1,449	£1,449
Dx-coil controller	TCB-IFDMR01UP-E	£967	£967	£967
Dx-Valve kit(s)		£482	£482	£482
Outdoor Combinations	HP	8	10	12
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	1	1	1
RBM-A101UPVA-E Dx-Valve kit(s)	No.	1	1	1
RBM-A201UPVA-E Dx-Valve kit(s)	No.	-	-	-
HEX circuit(s) Interlaced, Split face	No.	1	1	1
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	22.4	28.0	33.5
Rated Heating Capacity	kW	22.4	28.0	33.5
Air Volume	m ³ /hr	2880 - 4320	3360 - 5040	4240 - 6400
HEX Coil Volume (min-max) / Diameter	cm ³ /mm (inch)	3400 - 4600	4250 - 5750	5100 - 6900
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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



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

Interface/Valve Retail Price		£1,161	£1,161	£2,322
Dx-coil controller(s)	TCB-IFDMX01UP-E	£679	£679	£1,358
Dx-Valve kit(s)		£482	£482	£964
Interface/Valve Retail Price		£1,449	£1,449	£2,898
Dx-coil controller	TCB-IFDMR01UP-E	£967	£967	£1,934
Dx-Valve kit(s)		£482	£482	£964
Outdoor Combinations	HP	14	16	8+8
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	1	1	2
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	2
RBM-A201UPVA-E Dx-Valve kit(s)	No.	1	1	-
HEX circuit(s) Interlaced, Split face	No.	1	1	2
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	40.0	45.0	44.8
Rated Heating Capacity	kW	40.0	45.0	44.8
Air Volume	m3/hr	4920 - 7420	5760 - 8640	5760 - 8640
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	5950 - 8050	6800 - 9200	6800 - 9200
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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

TOSHIBA



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

Interface/Valve Retail Price		£1,161	£2,322	£1,161
Dx-coil controller(s)	TCB-IFDMX01UP-E	£679	£1,358	£679
Dx-Valve kit(s)		£482	£964	£482
Interface/Valve Retail Price		£1,449	£2,898	£1,449
Dx-coil controller	TCB-IFDMR01UP-E	£967	£1,934	£967
Dx-Valve kit(s)		£482	£964	£482
Outdoor Combinations	HP	18	8+10	20
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	1	2	1
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	2	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	1	-	1
HEX circuit(s) Interlaced, Split face	No.	1	2	1
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	50.4	50.4	56.0
Rated Heating Capacity	kW	50.4	50.4	56.0
Air Volume	m3/hr	6240 - 9360	6240 - 9360	6720 - 10080
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	7650 - 10350	7650 - 10350	8500 - 11500
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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



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

Interface/Valve Retail Price		£2,322	£2,322	£1,643
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,358	£1,358	£679
Dx-Valve kit(s)		£964	£964	£964
Interface/Valve Retail Price		£2,898	£2,898	£1,931
Dx-coil controller	TCB-IFDMR01UP-E	£1,934	£1,934	£967
Dx-Valve kit(s)		£964	£964	£964
Outdoor Combinations	HP	10+10	12+10	24
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	2	2	1
RBM-A101UPVA-E Dx-Valve kit(s)	No.	2	2	2
RBM-A201UPVA-E Dx-Valve kit(s)	No.	-	-	-
HEX circuit(s) Interlaced, Split face	No.	2	2	1
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	56.0	61.5	67.0
Rated Heating Capacity	kW	56.0	61.5	67.0
Air Volume	m3/hr	6720 - 10080	7620 - 11490	8290 - 12510
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	8500 - 11500	9350 - 12650	10200 - 13800
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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

TOSHIBA



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

Interface/Valve Retail Price		£2,322	£3,483	£3,483
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,358	£2,037	£2,037
Dx-Valve kit(s)		£964	£1,446	£1,446
Interface/Valve Retail Price		£2,898	£4,347	£4,347
Dx-coil controller	TCB-IFDMR01UP-E	£1,934	£2,901	£2,901
Dx-Valve kit(s)		£964	£1,446	£1,446
Outdoor Combinations	HP	12+12	8+8+8	10+8+8
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	2	3	3
RBM-A101UPVA-E Dx-Valve kit(s)	No.	2	-	3
RBM-A201UPVA-E Dx-Valve kit(s)	No.	-	3	-
HEX circuit(s) Interlaced, Split face	No.	2	-	3
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	67.0	67.2	72.8
Rated Heating Capacity	kW	67.0	67.2	72.8
Air Volume	m3/hr	8290 - 12510	8290 - 12510	8970 - 13530
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	10200 - 13800	10200 - 13800	11050 - 14950
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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



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

Interface/Valve Retail Price		£1,643	£2,322	£3,483
Dx-coil controller(s)	TCB-IFDMX01UP-E	£679	£1,358	£2,037
Dx-Valve kit(s)		£964	£964	£1,446
Interface/Valve Retail Price		£1,931	£2,898	£4,347
Dx-coil controller	TCB-IFDMR01UP-E	£967	£1,934	£2,901
Dx-Valve kit(s)		£964	£964	£1,446
Outdoor Combinations	HP	14+14	14+14	10+10+8
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	1	2	3
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	3
RBM-A201UPVA-E Dx-Valve kit(s)	No.	2	2	-
HEX circuit(s) Interlaced, Split face	No.	1	2	3
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	80.0	80.0	72.8
Rated Heating Capacity	kW	80.0	80.0	72.8
Air Volume	m3/hr	9650 - 14550	9650 - 14550	9650 - 14550
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	11900 - 16100	11900 - 16100	11900 - 16100
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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

TOSHIBA



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

Interface/Valve Retail Price		£3,483	£1,643	£2,322
Dx-coil controller(s)	TCB-IFDMX01UP-E	£2,037	£679	£1,358
Dx-Valve kit(s)		£1,446	£964	£964
Interface/Valve Retail Price		£4,347	£1,931	£2,898
Dx-coil controller	TCB-IFDMR01UP-E	£2,901	£967	£1,934
Dx-Valve kit(s)		£1,446	£964	£964
Outdoor Combinations	HP	10+10+10	16+16	16+16
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	3	1	2
RBM-A101UPVA-E Dx-Valve kit(s)	No.	3	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	-	2	2
HEX circuit(s) Interlaced, Split face	No.	3	1	2
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	84.0	90.0	90.0
Rated Heating Capacity	kW	84.0	90.0	90.0
Air Volume	m ³ /hr	10320 - 15570	11520 - 17280	11520 - 17280
HEX Coil Volume (min-max) / Diameter	cm ³ /mm (inch)	12750 - 17250	13600 - 18400	13600 - 18400
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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



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

Interface/Valve Retail Price		£2,322	£1,643	£2,322
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,358	£679	£1,358
Dx-Valve kit(s)		£964	£964	£964
Interface/Valve Retail Price		£2,898	£1,931	£2,898
Dx-coil controller	TCB-IFDMR01UP-E	£1,934	£967	£1,934
Dx-Valve kit(s)		£964	£964	£964
Outdoor Combinations	HP	18+16	18+18	18+18
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	2	1	2
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	2	2	2
HEX circuit(s) Interlaced, Split face	No.	2	1	2
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	95.4	100.8	100.8
Rated Heating Capacity	kW	95.4	100.8	100.8
Air Volume	m ³ /hr	11670 - 17610	12480 - 18720	12480 - 18720
HEX Coil Volume (min-max) / Diameter	cm ³ /mm (inch)	14450 - 19550	15300 - 20700	15300 - 20700
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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

TOSHIBA



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

Interface/Valve Retail Price		£2,322	£1,643	£2,322
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,358	£679	£1,358
Dx-Valve kit(s)		£964	£964	£964
Interface/Valve Retail Price		£2,898	£1,931	£2,898
Dx-coil controller	TCB-IFDMR01UP-E	£1,934	£967	£1,934
Dx-Valve kit(s)		£964	£964	£964
Outdoor Combinations	HP	20+18	20+20	20+20
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu/SHRMe	SMMSu/SHRMe
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	2	1	2
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	2	2	2
HEX circuit(s) Interlaced, Split face	No.	2	1	2
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	106.4	112.0	112.0
Rated Heating Capacity	kW	106.4	112.0	112.0
Air Volume	m3/hr	13030 - 19650	13440 - 21160	13440 - 21160
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	16150 - 21850	17000 - 23000	17000 - 23000
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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



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

Interface/Valve Retail Price		£3,483	£3,483	£3,483
Dx-coil controller(s)	TCB-IFDMX01UP-E	£2,037	£2,037	£2,037
Dx-Valve kit(s)		£1,446	£1,446	£1,446
Interface/Valve Retail Price		£4,347	£4,347	£4,347
Dx-coil controller	TCB-IFDMR01UP-E	£2,901	£2,901	£2,901
Dx-Valve kit(s)		£1,446	£1,446	£1,446
Outdoor Combinations	HP	14+14+14	16+14+14	16+16+14
Outdoor Compatibility Control	TA	SMMSu/SHRMe	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	3	3	3
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	3	3	3
HEX circuit(s) Interlaced, Split face	No.	3	3	3
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	120.0	125.0	130.0
Rated Heating Capacity	kW	120.0	125.0	130.0
Air Volume	m3/hr	14380 - 21690	15050 - 22710	15730 - 23730
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	17850 - 24150 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

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

TOSHIBA



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

Interface/Valve Retail Price		£3,286	£3,483	£3,483
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,358	£2,037	£2,037
Dx-Valve kit(s)		£1,928	£1,446	£1,446
Interface/Valve Retail Price		£3,862	£4,347	£4,347
Dx-coil controller	TCB-IFDMR01UP-E	£1,934	£2,901	£2,901
Dx-Valve kit(s)		£1,928	£1,446	£1,446
Outdoor Combinations	HP	24+24	16+16+16	18+16+16
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	2	3	3
RBM-A101UPVA-E Dx-Valve kit(s)	No.	4	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	-	3	3
HEX circuit(s) Interlaced, Split face	No.	2	3	3
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	134.0	135.0	140.4
Rated Heating Capacity	kW	134.0	135.0	140.4
Air Volume	m3/hr	16320 - 24480	16320 - 24480	17080 - 25760
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	20400 - 27600	20400 - 27600	21250 - 28750
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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



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

Interface/Valve Retail Price		£3,483	£3,483	£3,286
Dx-coil controller(s)	TCB-IFDMX01UP-E	£2,037	£2,037	£1,358
Dx-Valve kit(s)		£1,446	£1,446	£1,928
Interface/Valve Retail Price		£4,347	£4,347	£3,862
Dx-coil controller	TCB-IFDMR01UP-E	£2,901	£2,901	£1,934
Dx-Valve kit(s)		£1,446	£1,446	£1,928
Outdoor Combinations	HP	18+18+16	18+18+18	14+14+14+14
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	3	3	2
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	3	3	4
HEX circuit(s) Interlaced, Split face	No.	3	3	2
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	145.8	151.2	160.0
Rated Heating Capacity	kW	145.8	151.2	160.0
Air Volume	m3/hr	17760 - 26780	18720 - 28080	19110 - 28820
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	22100 - 29900	22950 - 31050	23800 - 32200
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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

TOSHIBA



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

Interface/Valve Retail Price		£3,483	£4,644	£3,483
Dx-coil controller(s)	TCB-IFDMX01UP-E	£2,037	£2,716	£2,037
Dx-Valve kit(s)		£1,446	£1,928	£1,446
Interface/Valve Retail Price		£4,347	£5,796	£4,347
Dx-coil controller	TCB-IFDMR01UP-E	£2,901	£3,868	£2,901
Dx-Valve kit(s)		£1,446	£1,928	£1,446
Outdoor Combinations	HP	20+18+18	14+14+14+14	20+20+18
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	3	4	3
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	3	4	3
HEX circuit(s) Interlaced, Split face	No.	3	4	3
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	156.8	160.0	162.4
Rated Heating Capacity	kW	156.8	160.0	162.4
Air Volume	m3/hr	19110 - 28820	19110 - 28820	19780 - 29840
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	23800 - 32200	23800 - 32200	24650 - 33350
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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



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

Interface/Valve Retail Price		£3,483	£4,644	£3,286
Dx-coil controller(s)	TCB-IFDMX01UP-E	£2,037	£2,716	£1,358
Dx-Valve kit(s)		£1,446	£1,928	£1,928
Interface/Valve Retail Price		£4,347	£5,796	£3,862
Dx-coil controller	TCB-IFDMR01UP-E	£2,901	£3,868	£1,934
Dx-Valve kit(s)		£1,446	£1,928	£1,928
Outdoor Combinations	HP	20+20+20	16+16+16+14	16+16+16+16
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	3	4	2
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	3	4	4
HEX circuit(s) Interlaced, Split face	No.	3	4	2
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	168.0	175.0	180.0
Rated Heating Capacity	kW	168.0	175.0	180.0
Air Volume	m3/hr	20160 - 30240	21140 - 31880	21810 - 32900
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	25500 - 34500	26350 - 35650	27200 - 36800
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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

TOSHIBA



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

Interface/Valve Retail Price		£4,644	£4,644	£4,644
Dx-coil controller(s)	TCB-IFDMX01UP-E	£2,716	£2,716	£2,716
Dx-Valve kit(s)		£1,928	£1,928	£1,928
Interface/Valve Retail Price		£5,796	£5,796	£5,796
Dx-coil controller	TCB-IFDMR01UP-E	£3,868	£3,868	£3,868
Dx-Valve kit(s)		£1,928	£1,928	£1,928
Outdoor Combinations	HP	16+16+16+16	18+16+16+16	18+18+16+16
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	4	4	4
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	4	4	4
HEX circuit(s) Interlaced, Split face	No.	4	4	4
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	180.0	185.4	190.8
Rated Heating Capacity	kW	180.0	185.4	190.8
Air Volume	m3/hr	21810 - 32900	22490 - 33920	23160 - 34940
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	27200 - 36800	28050 - 37950	28900 - 39100
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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



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

Interface/Valve Retail Price		£4,644	£3,286	£4,644
Dx-coil controller(s)	TCB-IFDMX01UP-E	£2,716	£1,358	£2,716
Dx-Valve kit(s)		£1,928	£1,928	£1,928
Interface/Valve Retail Price		£5,796	£3,862	£5,796
Dx-coil controller	TCB-IFDMR01UP-E	£3,868	£1,934	£3,868
Dx-Valve kit(s)		£1,928	£1,928	£1,928
Outdoor Combinations	HP	18+18+18+16	18+18+18+18	18+18+18+18
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	4	2	4
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	4	4	4
HEX circuit(s) Interlaced, Split face	No.	4	2	4
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	196.2	201.6	201.6
Rated Heating Capacity	kW	196.2	201.6	201.6
Air Volume	m3/hr	23840 - 35960	24520 - 36980	24520 - 36980
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	29750 - 40250	30600 - 41400	30600 - 41400
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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

TOSHIBA



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

Interface/Valve Retail Price		£4,644	£4,644	£4,644
Dx-coil controller(s)	TCB-IFDMX01UP-E	£2,716	£2,716	£2,716
Dx-Valve kit(s)		£1,928	£1,928	£1,928
Interface/Valve Retail Price		£5,796	£5,796	£5,796
Dx-coil controller	TCB-IFDMR01UP-E	£3,868	£3,868	£3,868
Dx-Valve kit(s)		£1,928	£1,928	£1,928
Outdoor Combinations	HP	20+18+18+18	20+20+18+18	20+20+20+18
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	4	4	4
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	4	4	4
HEX circuit(s) Interlaced, Split face	No.	4	4	4
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	207.2	212.8	218.4
Rated Heating Capacity	kW	207.2	212.8	218.4
Air Volume	m3/hr	25190 - 38000	25870 - 39010	26540 - 40030
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	31450 - 42550	32300 - 43700	33150 - 44850
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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



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

Interface/Valve Retail Price		£3,286	£4,644	£5,805
Dx-coil controller(s)	TCB-IFDMX01UP-E	£1,358	£2,716	£3,395
Dx-Valve kit(s)		£1,928	£1,928	£2,410
Interface/Valve Retail Price		£3,862	£5,796	£7,245
Dx-coil controller	TCB-IFDMR01UP-E	£1,934	£3,868	£4,835
Dx-Valve kit(s)		£1,928	£1,928	£2,410
Outdoor Combinations	HP	20+20+20+20	20+20+20+20	18+16+16+ 16+16
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	2	4	5
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	4	4	5
HEX circuit(s) Interlaced, Split face	No.	2	4	5
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	224.0	224.0	230.4
Rated Heating Capacity	kW	224.0	224.0	230.4
Air Volume	m3/hr	27220 - 41050	27220 - 41050	27890 - 42070
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	34000 - 46000	34000 - 46000	34850 - 47150
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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

TOSHIBA



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

Interface/Valve Retail Price		£4,929	£6,287	£6,966
Dx-coil controller(s)	TCB-IFDMX01UP-E	£2,037	£3,395	£4,074
Dx-Valve kit(s)		£2,892	£2,892	£2,892
Interface/Valve Retail Price		£5,793	£7,727	£8,694
Dx-coil controller	TCB-IFDMR01UP-E	£2,901	£4,835	£5,802
Dx-Valve kit(s)		£2,892	£2,892	£2,892
Outdoor Combinations	HP	14+14+14+14+14+14	18+18+16+16+16	14+14+14+14+14+14
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	3	5	6
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	6	6	6
HEX circuit(s) Interlaced, Split face	No.	3	5	6
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	240.0	235.8	240.0
Rated Heating Capacity	kW	240.0	235.8	240.0
Air Volume	m3/hr	28570 - 43090	28570 - 43090	28570 - 43090
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	35700 - 48300	35700 - 48300	35700 - 48300
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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



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

Interface/Valve Retail Price		£5,805	£5,805	£5,805
Dx-coil controller(s)	TCB-IFDMX01UP-E	£3,395	£3,395	£3,395
Dx-Valve kit(s)		£2,410	£2,410	£2,410
Interface/Valve Retail Price		£7,245	£7,245	£7,245
Dx-coil controller	TCB-IFDMR01UP-E	£4,835	£4,835	£4,835
Dx-Valve kit(s)		£2,410	£2,410	£2,410
Outdoor Combinations	HP	18+18+18+16+16	18+18+18+18+16	18+18+18+18+18
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	5	5	5
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	5	5	5
HEX circuit(s) Interlaced, Split face	No.	5	5	5
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	241.2	246.6	252.0
Rated Heating Capacity	kW	241.2	246.6	252.0
Air Volume	m ³ /hr	29250 - 44110	29920 - 45130	30600 - 46150
HEX Coil Volume (min-max) / Diameter	cm ³ /mm (inch)	36550 - 49450	37400 - 50600	38250 - 51750
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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

TOSHIBA



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

Interface/Valve Retail Price		£5,805	£5,805	£4,929
Dx-coil controller(s)	TCB-IFDMX01UP-E	£3,395	£3,395	£2,037
Dx-Valve kit(s)		£2,410	£2,410	£2,892
Interface/Valve Retail Price		£7,245	£7,245	£5,793
Dx-coil controller	TCB-IFDMR01UP-E	£4,835	£4,835	£2,901
Dx-Valve kit(s)		£2,410	£2,410	£2,892
Outdoor Combinations	HP	20+18+18+18+18	20+20+18+18+18	16+16+16+16+16+16
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	5	5	3
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	5	5	6
HEX circuit(s) Interlaced, Split face	No.	5	5	3
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	257.6	263.2	270.0
Rated Heating Capacity	kW	257.6	263.2	270.0
Air Volume	m3/hr	31270 - 47170	31950 - 48190	32630 - 49210
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	39100 - 52900	39950 - 54050	40800 - 55200
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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



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

Interface/Valve Retail Price		£5,805	£6,966	£5,805
Dx-coil controller(s)	TCB-IFDMX01UP-E	£3,395	£4,074	£3,395
Dx-Valve kit(s)		£2,410	£2,892	£2,410
Interface/Valve Retail Price		£7,245	£8,694	£7,245
Dx-coil controller	TCB-IFDMR01UP-E	£4,835	£5,802	£4,835
Dx-Valve kit(s)		£2,410	£2,892	£2,410
Outdoor Combinations	HP	20+20+20+18+18	16+16+16+16+16+16	20+20+20+20+18
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	5	6	5
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	5	6	5
HEX circuit(s) Interlaced, Split face	No.	5	6	5
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	268.8	270.0	274.4
Rated Heating Capacity	kW	268.8	270.0	274.4
Air Volume	m3/hr	32630 - 49210	32630 - 49210	33300 - 50230
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	40800 - 55200	40800 - 55200	41650 - 56350
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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

TOSHIBA



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

Interface/Valve Retail Price		£5,805	£6,966	£6,966
Dx-coil controller(s)	TCB-IFDMX01UP-E	£3,395	£4,074	£4,074
Dx-Valve kit(s)		£2,410	£2,892	£2,892
Interface/Valve Retail Price		£7,245	£8,694	£8,694
Dx-coil controller	TCB-IFDMR01UP-E	£4,835	£5,802	£5,802
Dx-Valve kit(s)		£2,410	£2,892	£2,892
Outdoor Combinations	HP	20+20+20+20+20	18+18+18+16+16+16	18+18+18+18+16+16
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	5	6	6
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	5	6	6
HEX circuit(s) Interlaced, Split face	No.	5	6	6
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	280.0	286.2	291.6
Rated Heating Capacity	kW	280.0	286.2	291.6
Air Volume	m3/hr	33980 - 51250	34650 - 52270	35330 - 53280
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	42500 - 57500	43350 - 58650	44200 - 59800
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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



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

Interface/Valve Retail Price		£6,966	£4,929	£6,966
Dx-coil controller(s)	TCB-IFDMX01UP-E	£4,074	£2,037	£4,074
Dx-Valve kit(s)		£2,892	£2,892	£2,892
Interface/Valve Retail Price		£8,694	£5,793	£8,694
Dx-coil controller	TCB-IFDMR01UP-E	£5,802	£2,901	£5,802
Dx-Valve kit(s)		£2,892	£2,892	£2,892
Outdoor Combinations	HP	18+18+18+18+18+16	18+18+18+18+18+18	18+18+18+18+18+18
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	6	3	6
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	6	6	6
HEX circuit(s) Interlaced, Split face	No.	6	3	6
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	297.0	302.4	302.4
Rated Heating Capacity	kW	297.0	302.4	302.4
Air Volume	m3/hr	36000 - 54300	36680 - 55320	36680 - 55320
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	45050 - 60950	45900 - 62100	45900 - 62100
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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

TOSHIBA



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

Interface/Valve Retail Price		£6,966	£6,966	£6,966
Dx-coil controller(s)	TCB-IFDMX01UP-E	£4,074	£4,074	£4,074
Dx-Valve kit(s)		£2,892	£2,892	£2,892
Interface/Valve Retail Price		£8,694	£8,694	£8,694
Dx-coil controller	TCB-IFDMR01UP-E	£5,802	£5,802	£5,802
Dx-Valve kit(s)		£2,892	£2,892	£2,892
Outdoor Combinations	HP	20+18+18+18+18+18	20+20+18+18+18+18	20+20+20+18+18+18
Outdoor Compatibility Control	TA	SMMSu	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu	SMMSu
Dx-coil controller(s)	No.	6	6	6
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	6	6	6
HEX circuit(s) Interlaced, Split face	No.	6	6	6
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	308.0	313.6	319.2
Rated Heating Capacity	kW	308.0	313.6	319.2
Air Volume	m3/hr	37360 - 56340	38030 - 57360	38710 - 58380
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	46750 - 63250	47600 - 64400	48450 - 65550
		9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6	6.5/6

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



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

Interface/Valve Retail Price		£6,966	£6,966
Dx-coil controller(s)	TCB-IFDMX01UP-E	£4,074	£4,074
Dx-Valve kit(s)		£2,892	£2,892
Interface/Valve Retail Price		£8,694	£8,694
Dx-coil controller	TCB-IFDMR01UP-E	£5,802	£5,802
Dx-Valve kit(s)		£2,892	£2,892
Outdoor Combinations	HP	20+20+20+20+18+18	20+20+20+20+20+18
Outdoor Compatibility Control	TA	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu
Dx-coil controller(s)	No.	6	6
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	6	6
HEX circuit(s) Interlaced, Split face	No.	6	6
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	324.8	330.4
Rated Heating Capacity	kW	324.8	330.4
Air Volume	m3/hr	39380 - 59400	40060 - 60420
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	49300 - 66700	50150 - 67850
		9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6

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

TOSHIBA



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

Interface/Valve Retail Price		£4,929	£6,966
Dx-coil controller(s)	TCB-IFDMX01UP-E	£2,037	£4,074
Dx-Valve kit(s)		£2,892	£2,892
Interface/Valve Retail Price		£5,793	£8,694
Dx-coil controller	TCB-IFDMR01UP-E	£2,901	£5,802
Dx-Valve kit(s)		£2,892	£2,892
Outdoor Combinations	HP	20+20+20+20+20+20	20+20+20+20+20+20
Outdoor Compatibility Control	TA	SMMSu	SMMSu
	DDC/TF	SMMSu	SMMSu
Dx-coil controller(s)	No.	3	6
RBM-A101UPVA-E Dx-Valve kit(s)	No.	-	-
RBM-A201UPVA-E Dx-Valve kit(s)	No.	6	6
HEX circuit(s) Interlaced, Split face	No.	3	6
Dimensions Dx-coil controller (HxWxD)	mm	420 x 330 x 122	420 x 330 x 122
Dimensions Dx-Valve kit (exc. pipes) (HxWxD)	mm	360 x 209 x 80	360 x 209 x 80
Weight Controller/Valve	kg	4.1/1	4.1/1
Suggested Power & Fuse rating	V-ph-Hz & A	220/240-1-50 & 6	220/240-1-50 & 6
Rated Cooling Capacity	kW	336.0	336.0
Rated Heating Capacity	kW	336.0	336.0
Air Volume	m3/hr	40740 - 61440	40740 - 61440
HEX Coil Volume (min-max) / Diameter	cm3/mm (inch)	51000 - 69000	51000 - 69000
		9.52 - 3/8	9.52 - 3/8
Evaporating Temp./Suction Superheat (Target)	°C/K	6.5/6	6.5/6

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

TOSHIBA

VRF Accessories

VRF Accessories	Model	Description	Price
Wireless Controller/Receiver Kit's			
Wireless Controller/Receiver Kit's	RBC-AX33UY-P-E	Wireless Receiver Kit for 1-Way Cassette	£61
	RBC-AXU31C-E	Wireless Remote Controller Kit - Ceiling	£259
	RBC-AXU31-E	Wireless Remote Controller Kit - Others (Exclude High Static Duct)	£334
	RBC-AXU31U-E	Wireless Receiver Kit for 4-Way Cassette	£237
	RBC-AXU32UP-E	Wireless Receiver Kit for 4-Way Cassette	£237
	RBC-AXU31UM-E	Wireless Receiver Kit for Compact Cassette	£153
	RBC-AXU31UW-E	Wireless Receiver Kit for 2-Way Cassette	£280
	RBC-AXU31UMP-E	Wireless Remote Controller Kit for compact 4way White	£140
	RBC-AXU31UMPB-E	Wireless Remote Controller Kit for compact 4-way Black	£152
	RBC-AXU33UP-E	Wireless Receiver Kit for 4-Way Cassette (Compatible with MMU-UP_1HP-E & RAV-HM_1UTP-E)	£167
RBC-AXU33UPB-E	Wireless Remote Controller kit (IR receiver + handset), Black colour	£183	
Controller Wired			
Controller Wired	RBC-AS41E	Simplified Remote Controller	£113
	RBC-ASCU11-E	Compact Remote Controller	£81
	RBC-ASCU32Y-E	Compact Remote Controller	£81
	RBC-AMT32E	Standard Remote Controller	£85
	RBC-AMTU31-E	Standard Remote Controller	£93
	RBC-AMS41E	Standard Remote Controller C/W 24/7 Schedule Timer	£102
	RBC-AMSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer	£164
	RBC-AWSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer + Bluetooth	£189
	RBC-MTSC1	Mini Touch Screen Controller	£305
	RBC-MTSC2	Mini Touch Screen Controller C/W Schedule Timer	£362
Central Controller Wired			
Central Controller Wired	BMS-CT1280E	Touch Screen Controller	£4,402
	BMS-CT2560U-E	256 Touch Screen Controller (Multi Language)	£4,873
	BMS-CT5121E	Touch Screen Controller	£6,024
	RBC-BP2	Black Pear BMS Controller	£4,804

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VRF Accessories

VRF Accessories	Model	Description	Price
Central Controller Wired(Continued)			
Central Controller Wired (Continued)	RBC-TBPUTS	Toshiba Black Pear Touchscreen 64/(128 TU2C link Only) ID Units	£3,570
	RBC-TBPUTSBC	Back box for Smart Touch (RBC-TBPUTS)	£259
	TCB-SC640U-E	64 Central Remote Controller	£1,066
	RBC-II2	Interactive Intelligence (Embedded)	£2,657
	RBC-II2MB1	II2 Mounting Enclosure (Main)	£609
	RBC-II2MB2	II2 Mounting Enclosure (Sub)	£259
Control Panel			
Control Panel	RBC-AC1	Unit Auto Change Over With Temperature High Limit Stat (1 Run/1 Standby)	£1,844
	RBC-AC2	Unit Auto Change Over With Temperature High Limit Stat (2 Run/1 Standby)	£2,147
	RBC-AM1E	Remote Controller	£172
	RBC-EM1-PE	Energy Monitoring Kit	£1,372
Indoor Interface			
Indoor Interface	BMS-IFKX0TLR-E	KNX interface for LC-VRF	£554
	BMS-IFLSV4E	TCS-Net Relay Interface	£1,045
	BMS-IFMB0TLR-E	Modbus interface for LC-VRF	£463
	BMS-IFMB0UEW-E	MODBUS CONTROLLER FOR ESTIA R32	£522
	BMS-IFMB1280U-E	Modbus Interface	£2,081
	BMS-WB2561PWE	Web Server/Gateway Server Connection Of Up To 256 Indoor Units	£4,309
	MMD-ODH1	VRF Air Curtain Accessory Kit	£1,132
	RBC-AVS2	Averaging Sensors	£206
	RBC-AVS3	Averaging Sensors	£229
	RBC-AVS4	Averaging Sensors	£244
	RBC-SMF1	Enables Control Of External Fans	£70
	RBC-SMIM2	Indicator Module For Unit In Heating Mode, Cooling Mode Or Fan	£101
	RBC-SMIM3	Indicator Module For Stopping Fault And Unit Run	£96
	RBC-SMIM4	Indicator Module For Stopping Fault, Unit Run inc. External Start/Stop & Control Lock	£107
	BMS-IWF001OUCP-E	WI-FI interface for LC & VRF	£209
	RBC-TS11	Monitoring & Control Interface For VRF & DI/SDI	£350
	RBC-TXIO	Input/Output Interface For Third Party Equipment	£426

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VRF Accessories

VRF Accessories	Model	Description	Price
Indoor Interface (Continued)			
Indoor Interface (Continued)	RB-I301-E	Leak Detection Sensor Kit	£208
	TCB-IFCB5-PE	Window Switch & Remote ON/OFF	£34
	TCB-PX100-PE	Enclosure For The Window Switch Remote ON/OFF	£25
Indoor Interface Lead			
Indoor Interface Lead	RBC-TAEX1	Extension Sensor TA	£45
	RBC-CBK15FE	15m Long Extension Cable Including	£116
	RBC-CN61CIMC	CN61 5 M Lead	£32
	RBC-FSEX15	15M Extension Cable For FS	£139
	RBC-IT4-PE	Timer For DI/SDI	£164
	RBC-SMCN61	Interface Lead For ON/OFF And Unit Remote Controller Lock	£14
	RBC-SMT1	Timer Interface Lead	£14
	TCB-KBCN32VEE	Connector For CN 32	£212
	TCB-KBCN60OPE	Connector For CN 60	£415
	TCB-KBCN61HAE	Connector For CN 61	£421
	TCB-KBCN70OAE	Connector For CN 70	£206
	TCB-KBCN73DEE	Connector For CN 73	£209
	TCB-KBCN80EXE	Connector For CN 80	£215
Interface			
Interface	BMS-IFWH5E	Energy Monitoring Relay Interface	£683
	RBC-IT2-PE	Timer Interface For R407C Equipment	£154
	TCB-DK01SS-E	Dyna Doctor Hardware	£2,254
	TCB-IFLN642TLE	LonWorks Gateway,	£1,709
	TCB-PCUC2E	Application Control Kit	£161
	TCB-PX40MUME	Control Box Enclosure For Interface PCB's	£92

TOSHIBA

VRF Accessories

VRF Accessories	Model	Description	Price
Occupancy Sensor			
Occupancy Sensor	TCB-SIR33UP-E	Occupancy Sensor Kit (Compatible with MMU-UP_1HP-E & RAV-HM_1UTP-E)	£95
	TCB-SIR41U-E	Occupancy Sensor (Smart Cassettes)	£110
	TCB-SIR41UM-E	Occupancy Sensor (New 7 Series Compact Cassettes)	£110
	TCB-SIR41UY-P-E	Occupancy Sensor (1-Way cassette)	£95
Remote Sensor			
Remote Sensor	TCB-TC41U-E	Remote Sensor	£100
Air Discharge, Filtration & Inlet			
Air Discharge, Filtration & Inlet	RBC-VCK1	Ducted Vertical Conversion Kit	£702
	RBM-FGUS1P-E	Fin Guard Option Kit (08~14HP)	£237
	RBM-FGUM1P-E	Fin Guard Option Kit (16~24HP)	£263
	TCB-BC1602UE	4 Way Cassette Air Discharge Direction Kit (Suit 31PG)	£88
	TCB-FF101URE2	Fresh Air Connection Spigot Kit (New 7 Series Compact Cassettes)	£62
	TCB-FF151US-E	Auxiliary Fresh Air Flange	£75
	TCB-SF160C6BPE	Discharge spigots for LC/VRF Ducted 4.0-6.0 HP	£229
	TCB-SF56C6BPE	Discharge spigots for LC/VRF Ducted 1.5-2.0 HP	£152
	TCB-SF80C6BPE	Discharge spigots for LC/VRF Ducted 3.0 HP	£180
	TCB-TDL0141SDY-E	3D Diffusor Slim Duct	£163
	TCB-TDL0181SDY-E	3D Diffusor Slim Duct	£184
	TCB-TDL0271SDY-E	3D Diffusor Slim Duct	£211
	TCB-EAPC1UHP-E	Air Purifier Kit 4-Way Cassette (Heating RC + PURE Button)	£1,150
	TCB-EAPC1UYHP-E	Air Purifier Kit 1-Way Cassette	£231
	TCB-FC0481DF-E	Filter Chamber (48)	£600
	TCB-FC1281DF-E	Filter Chamber (72-128)	£1,007
	TCB-FC1403UW-E	Filter Chamber (*0362-0562)	£850
	TCB-FC283UW-E	Filter Chamber (*0072-0152)	£507
	TCB-FC803UW-E	Filter Chamber (*0182-0302)	£726
	TCB-GB1601UE2	Fresh-Air Inlet Box	£84

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VRF Accessories

VRF Accessories	Model	Description	Price
Air Discharge, Filtration & Inlet (Continued)			
Air Discharge, Filtration & Inlet (Continued)	TCB-GB1602UE	Fresh Air Inlet Box	£88
	TCB-GB1602UE2	Fresh Air Inlet Box	£74
	TCB-GFC1601UE2	Fresh-Air & Filter Chamber	£384
	TCB-GFC1602UE2	Fresh Air & Filter Chamber	£191
	TCB-LF1403UW-E	Super Long Life Pre-Filter (*0362-0562)	£632
	TCB-LF283UW-E	Super Long Life Pre-Filter (*0072-0152)	£361
	TCB-LF803UW-E	Super Long Life Pre-Filter (*0182-0302)	£590
	TCB-LK1401D-E	Long Life Filter Kit For MMD-*036_056#HP-E	£99
	TCB-LK2801DP-E	Long Life Filter Kit For MMD-*072_096#HP-E	£152
	TCB-LK801D-E	Long Life Filter Kit For MMD-*018_027#HP-E	£78
	TCB-PLFC1UPE-120	PM2.5 After Pre-filter 4-Way Cassette	£1,719
	TCB-PLFC2UPE-80	PM2.5 Before Pre-filter 4-Way Cassette	£2,184
	TCB-UFH0481D-E	High Efficiency Filter 90% (48)	£595
	TCB-UFH1281D-E	High Efficiency Filter 90% (72-128)	£849
	TCB-UFM0481D-E	High Efficiency Filter 65% (48)	£592
TCB-UFM1281D-E	High Efficiency Filter 65% (72-128)	£798	
TCB-SP1602UE	4-Way Cassette Spacer Height Adjustment For RBC-U32/U33P-E	£232	
Pulse Modulating Valve Kit			
Pulse Modulating Valve Kit	RBM-PMV0361U-E	VRF 2-Pipe Valve Kit (models 3~12)	£206
	RBM-PMV0901U-E	VRF 2-Pipe Valve Kit (models 15~24)	£223
R32 Leak Detection			
R32 Leak Detection	RBM-SV1121HUPE	Shut-off Valve Box Below 11.2kW	£835
	RBM-SV1801HUPE	Shut-off Valve Box 11.2 to Below 18.0kW	£936
	RBM-SV6701HUPE	Shut-off Valve Box 18.0 to 67.0kW or less	£1,669
	TCB-BT1UPE	Battery Kit for Shut-off Valve and Flow Selector Box	£286
	TCB-LD1UPE	Leak Detector for SHRM-a	£301
	RBC-VRFR32AK	EN378 Indoor Unit Interface Kit	£120
	RBC-VRFR32CN80	EN378 FS Box Interface Kit	£303

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VRF Accessories

VRF Accessories	Model	Description	Price
R410a Leak Detection			
R410a Leak Detection	RBC-RCS1	Room Leak Detection Concentration Sensor With White Faceplate	£513
	RBC-RCS2	Room Leak Detection Concentration Sensor With Stainless Steel Faceplate	£531
	RBC-RD3-PE	Refrigerant - additional charge Leak Detector (Indoor Unit)	£547
	RBC-RD6-PE	Refrigerant - additional charge Leak Detector (Outdoor Unit)	£7,706
	RBC-RI1	Room Indicator For Use With RBC-RP1 (Legrand Graphite) Currently Grey	£99
	RBC-LDCIMC	Leak Detection 15M Lead	£62
	RBC-RP1	Repeater Panel C/W Battery Back Up	£1,769
	RBC-TSRP1	Repeater Panel (for use with RBC-TBPTS)	£827
	TCB-AW17861	Leak Detection, Isolation Valve (12.0 mm - 1/2")	£372
	TCB-AW17862	Leak Detection, Isolation Valve (15.9 mm - 5/8")	£372
	TCB-AW17863	Leak Detection, Isolation Valve (19.0 mm - 3/4")	£405
	TCB-AW17864	Leak Detection, Isolation Valve (22.2mm - 7/8")	£442
	TCB-AW17865	Leak Detection, Isolation Valve (28.6mm - 1,1/8")	£610
	TCB-AW17866	Leak Detection, Isolation Valve (34.9mm - 1,3/8")	£640
	TCB-AW17867	Leak Detection, Isolation Valve (41.3mm - 1,5/8")	£664
	TCB-LD12V	Room Leak Detection Transformer 12v & Cable Kit (use with TCB-LDS1 & TCB-LDS2)	£214
	TCB-LD2	Leak Detection For SMMSe/SHRMe (No Valves)	£1,799
	TCB-LD2UK	Leak Detection For SMMSe/SHRMe (No Valves)	£2,330
	TCB-LDS1	Room Leak Detection With White Faceplate (requires Remote 12v Transformer)	£513
	TCB-LDS1BLK	Room Leak Detection With Black Faceplate (requires Remote 12v Transformer)	£462
TCB-LDS2	Room Leak Detection With Stainless Steel Faceplate (requires Remote 12v Transformer)	£531	
RBC-TQ31	Room Leak Detector (With CN80 Cable)	£435	
RBC-TQ32-32	Area Alarm Panel - 32 Channels	£2,453	
RBC-TQ32-64	Area Alarm Panel - 64 Channels	£2,786	
RBC-TQ35	Central Alarm Panel (Combine upto 16 Area alarm panels)	£2,118	
Outdoor Interface			
Outdoor Interface	TCB-IFCB-4E2	Remote Location ON/OFF Control Box	£357
	TCB-IFDES1001P-E	Optional sensor (10m lead wire) for new VRF DX-Kit Interface	£127
	TCB-PCDM4E	Power Peak-Cut Control Board (SMMS/SHRM)	£128
	TCB-PCIN4E	Error Output Control Board (SMMS/SHRM)	£140

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VRF Accessories

VRF Accessories	Model	Description	Price
Outdoor Interface (Continued)			
Outdoor Interface (Continued)	TCB-PCMO4E	External Input PCB	£98
	TCB-SS1UU-E	Link Adapter with 8GB MicroSD Card	£2,643
Header Joints			
Header Joints	RBM-HY1043E	4 Way Header 2 Pipe < 14.2	£213
	RBM-HY1083E	8 Way Header 2 Pipe < 14.2	£363
	RBM-HY2043E	4 Way Header 2 Pipe < 14.2-25.2hp	£234
	RBM-HY2083E	8 Way Header 2 Pipe < 14.2-25.2hp	£398
	RBM-HY1043FE	4 Way Header 3 Pipe < 14.2	£280
	RBM-HY1083FE	8 Way Header 3 Pipe < 14.2	£445
	RBM-HY2043FE	4 Way Header 3 Pipe < 14.2-25.2hp	£365
RBM-HY2083FE	8 Way Header 3 Pipe < 14.2-25.2hp	£453	
Branch Joints			
Branch Joints	RBM-BT14E	Y-Connector <26HP (SMMS)	£205
	RBM-BT24E	Y-Connector >26HP (SMMS)	£243
	RBM-BT34E	Y-Connector >46hp	£339
	RBM-BY105E	Y Joint 2 Pipe < 6.4-14.2hp	£86
	RBM-BY205E	Y Joint 2 Pipe < 14.2-25.2hp	£146
	RBM-BY305E	Y Joint 2 Pipe 25.2hp	£225
	RBM-BY405E	Y Joint 2 Pipe 61.2hp	£300
	RBM-BY55E	Y Joint 2 Pipe < 6.4hp	£77
	RBM-BT14FE	Y-Connector <26HP (SHRM)	£186
	RBM-BT24FE	Y-Connector >26HP (SHRM)	£283
	RBM-BY105FE	Y Joint 3 Pipe < 6.4-14.2hp	£136
	RBM-BY205FE	Y Joint 3 Pipe < 14.2-25.2hp	£224
	RBM-BY305FE	Y Joint 3 Pipe 25.2hp	£330
RBM-BY55FE	Y Joint 3 Pipe < 6.4hp	£106	
Condensate			
Condensate	TCB-DP22CE2	Drain Up Kits For DI Ceiling FCU	£293
	TCB-DP31CE	Drain Pump For DI Ceiling	£320
	TCB-DP31HEXE	Drain Pump Kit	£792

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VRF Accessories

VRF Accessories	Model	Description	Price
Condensate (Continued)			
Condensate	TCB-DP40DFP-E	Drain Pump Kit (Lift up to 330 mm)	£467
	TCB-DP40DPE	Drain Pump Kit (MMD-*0726 To 0966HP-E)	£467
	TCB-KP14CPE	Ceiling Suspended Elbow Piping Kit (1.5-2.0hp)	£90
	TCB-KP22CE2	Elbow Piping Kit (*0241-0481)	£114
	TCB-KP24CPE	Ceiling Suspended Elbow Piping Kit (2.5-5.0hp)	£108
Anti-Corrosion Coating			
Anti-Corrosion Coating*	CACC-VRFCASE1	VRF Module Unit Case Anti-Corrosion Coating	£1,973
	CACC-VRFCASE2	VRF Large Module Unit Case Anti-Corrosion Coating	£2,046
Painted Finish			
Painted Finish*	Paint-Ducted 07-18	Painted Ducted Unit Chassis	£662
	Paint-Ducted 24-30	Painted Ducted Unit Chassis	£662
	Paint-Ducted 36-56	Painted Ducted Unit Chassis	£662
	Paint-High Wall 56-80	Painted High Wall Unit Fascia	£660
	PAINT-U21FP	Painted Compact Cassette Fascia Panel	£660
	PAINT-U31FP	Painted 4-Way Cassette Fascia Panel	£660
VRF Strip Down			
VRF Strip Down	TTS-VRFSD-ML	VRF Strip Down On UK Mainland (SHRM-e, MCY-) - All models	£5,661
	TTS-VRFSD-MLF	Full VRF Strip Down On UK Mainland (SHRM-e, MCY-) - All models	£8,587
	TTS-VRFSD-OS	VRF Strip Down On Non-UK Mainland (SHRM-e, MCY-) - All models	POA
	TTS-VRFSD-OSF	Full VRF Strip Down On Non-UK Mainland (SHRM-e, MCY-) - All models	POA
	TTS-VRFAU-ML	Full VRF Strip Down UK Mainland (SHRM-a, SHRM-u, SMMS-u) - All models	£6,397
	TTS-VRFAU-OS	Full VRF Strip Down non UK Mainland (SHRM-a, SHRM-u, SMMS-u) - All models	POA
Site Services			
Site Services	TTS-HVACC	HVAC Commissioning	£1,681
	TTS-HVACM	HVAC Commissioning (additional charge greater than 75 miles journey)	£1,236
	TTS-HVACA	HVAC Commissioning (additional charge overnight accommodation)	£495
	TTS-HVACS	HVAC Site Visit	£1,681
	TTS-HVACF	HVAC Fault Finding	£1,681

* Additional delivery charges may apply

AIR-TO-AIR Heat Exchanger

Air-to-Air Heat Exchangers	Pages
Air-to-Air Heat Exchanger Standard Version	282 - 284
Air-to-Air Heat Exchanger + DX Coil	285 - 286
VN Accessories	287 - 288



TOSHIBA



Air-to-Air Heat Exchanger Standard Version

Air-to-Air Heat Exchanger	VN-	U00151SY-E	U00251SY-E	U00351SY-E
Unit Retail Price		£1,422	£1,457	£1,674
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	150-120-90-60	250-200-150-100	350-280-210-140
External Static Pressure Extra High-High-Medium-Low	Pa	90-60-43-25	75-53-30-15	160-100-57-26
Sound Pressure Extra High-High-Medium-Low	dB(A)	28-25-22-20	28-27-24-20	34-31-26-21
Temperature Exchange Efficiency (High Air Flow)	%	83.5	80.5	81.5
Enthalpy Exchange Efficiency (High Air Flow)	%	80.0	76.0	76.0
Dimensions (HxWxD)	mm	278x735x778	278x735x778	305x880x880
Weight	kg	29	29	40
Duct Nominal Diameter Supply/Return	mm	100 x 2/100 x 2	150 x 2/150 x 2	150 x 2/150 x 2
Suggested Power Supply (with Heater Kit)	V-ph-Hz & A	220/240-1-50 & 3(10)	220/240-1-50 & 3(10)	220/240-1-50 & 6(16)



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

Air-to-Air Heat Exchanger	VN-	U00501SY-E	U00651SY-E	U00801SY-E
Unit Retail Price		£2,032	£2,260	£2,696
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	500-400-300-260	650-520-390-260	800-640-480-320
External Static Pressure Extra High-High-Medium-Low	Pa	125-80-45-35	150-100-58-28	145-92-53-22
Sound Pressure Extra High-High-Medium-Low	dB(A)	36-31-27-25	39-35-30-24	39-35-30-23
Temperature Exchange Efficiency (High Air Flow)	%	79.5	77.5	79.0
Enthalpy Exchange Efficiency (High Air Flow)	%	74.0	72.0	74.0
Dimensions (HxWxD)	mm	337x1020x920	337x1020x920	386x1230x1130
Weight	kg	47	47	63
Duct Nominal Diameter Supply/Return	mm	200 x 2/200 x 2	200 x 2/200 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 & 6(16)

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

Air-to-Air Heat Exchanger	VN-	U01001SY-E	U01501SY-E	U02001SY-E
Unit Retail Price		£2,937	£6,058	£6,658
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	1000-800-600-400	1500-1280-960-560	2000-1540-1100-680
External Static Pressure Extra High-High-Medium-Low	Pa	170-110-60-30	150-100-53-28	170-100-50-23
Sound Pressure Extra High-High-Medium-Low	dB(A)	41-38-33-24	43-38-32-25	45-41-34-25
Temperature Exchange Efficiency (High Air Flow)	%	78.5	74.5	71.5
Enthalpy Exchange Efficiency (High Air Flow)	%	73.0	74.0	73.0
Dimensions (HxWxD)	mm	386x1230x1130	778x1242x1133	778x1242x1133
Weight	kg	63	138	138
Duct Nominal Diameter Supply/Return	mm	250 x 2/250 x 2	250 x 4/250 x 4	250 x 4/250 x 4
Suggested Power Supply (with Heater Kit)	V-ph-Hz & A	220/240-1-50 & 6(16)	220/240-1-50 & 16(20)	220/240-1-50 & 16(20)



Air-to-Air Heat Exchanger + DX Coil

Air-to-Air Heat Exchanger	MMD-	UPV0501HY-E	UPV0801HY-E
Indoor Unit Retail Price		£4,839	£5,878
Cooling Capacity	kW	4.10 (1.30)	6.56 (2.06)
Heating Capacity	kW	5.53 (2.33)	8.61 (3.61)
Combinations*		SMMS-U - SHRM-U SHRM-A - SHRM-E	SMMS-U - SHRM-U SHRM-A - SHRM-E
Operating Range - Around Unit	°C - %RH	-15 to 50 - ≤ 80	-15 to 50 - ≤ 80
Operating Range - Outdoor Air	°C - %RH	-20 to 52 - ≤ 80	-20 to 52 - ≤ 80
Operating Range - Return Air	°C - %RH	5 to 40 - ≤ 80	5 to 40 - ≤ 80
Standard Air Flow, High - Medium - Low	m ³ /h	500 - 430 - 220	800 - 600 - 350
Air Flow Limit Upper - Lower	m ³ /h	600 - 330	960 - 480
External Static Pressure Extra High - High - Low	Pa	220 - 170 - 35	220 - 130 - 27
Sound Pressure Extra High - High - Low	dB(A)	39.0 - 37.0 - 24.0	43.0 - 38.5 - 23.0
Filtration Efficiency Grade (Collection Effect Weighing Method)	%	82	82
Dimensions (HxWxD)	mm	386 x 1020 x 1360	386 x 1020 x 1593
Weight	kg	83	105
Duct Nominal Diameter Supply/Return	mm	200 x 2/200 x 2	250 x 2/250 x 2
Flare Connection (gas - liquid)	mm	3/8 - 1/4	1/2 - 1/4
Suggested Power Supply (with Heater Kit)	V-ph-Hz & A	220/240-1-50 & 3 (10)	220/240-1-50 & 3 (10)

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

Air-to-Air Heat Exchanger	MMD-	UPV1001HY-E
Indoor Unit Retail Price		£6,906
Cooling Capacity	kW	8.25 (2.32)
Heating Capacity	kW	10.92 (4.32)
Combinations*		SMMS-U - SHRM-U SHRM-A - SHRM-E
Operating Range - Around Unit	°C - %RH	-15 to 50 - ≤ 80
Operating Range - Outdoor Air	°C - %RH	-20 to 52 - ≤ 80
Operating Range - Return Air	°C - %RH	5 to 40 - ≤ 80
Standard Air Flow, High - Medium - Low	m3/h	950 - 800 - 430
Air Flow Limit Upper - Lower	m3/h	1140 - 640
External Static Pressure Extra High - High - Low	Pa	185 - 160 - 30
Sound Pressure Extra High - High - Low	dB(A)	43.0 - 42.0 - 25.5
Filtration Efficiency Grade (Collection Effect Weighing Method)	%	82
Dimensions (HxWxD)	mm	386 x 1020 x 1593
Weight	kg	105
Duct Nominal Diameter Supply/Return	mm	250 x 2/250 x 2
Flare Connection (gas - liquid)	mm	1/2 - 1/4
Suggested Power Supply (with Heater Kit)	V-ph-Hz & A	220/240-1-50 & 6 (10)

TOSHIBA

VN Accessories

VN Accessories	Model	Description	Price
Controller Wired			
Controller Wired	RBC-AMSU52-E	Premium Remote Controller C/W 24/7 Schedule Timer	£164
	NRC-01HE	Remote Controller	£130
Indoor Interface			
Indoor Interface	NRB-1HE	Remote ON/OFF Adapter A2A Heat Exchanger	£130
Indoor Interface Lead			
Indoor Interface Lead	RBC-VNL1	VN Unit Interface Lead	£70
	TCB-KBCN610V-E	Connector for CN610 (pack of 10 pcs)	£110
	TCB-KBCN610V-E1	Connector for CN610	£12
	TCB-KBCN704V-E	Connector for CN704 (pack of 10 pcs)	£169
	TCB-KBCN704V-E1	Connector for CN704	£18
	TCB-KBCN705V-E	Connector for CN705 (pack of 10 pcs)	£94
	TCB-KBCN705V-E1	Connector for CN705	£11
	TCB-KBCN706V-E	Connector for CN706 (pack of 10 pcs)	£110
	TCB-KBCN706V-E1	Connector for CN706	£12
	TCB-KBCN80EXE	Connector For CN 80 (pack of 10 pcs)	£215
TCB-KBCN80EX-E1	Connector For CN 80	£22	

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VN Accessories

VN Accessories	Model	Description	Price
Air Discharge, Filtration & Inlet			
Air Discharge, Filtration & Inlet	TCB-PSFC551VSY-E	High Performance Filter (Epm1 55%) (For VN00151 / 00251SY-E)	£75
	TCB-PSFC551VMY-E	High Performance Filter (Epm1 55%) (For VN00351SY-E)	£85
	TCB-PSFC551VLY-E	High Performance Filter (Epm1 55%) (For VN00501 / 00651SY-E)	£116
	TCB-PSFC551VXY-E	High Performance Filter (Epm1 55%) (For VN00801 / 01001SY-E)	£139
Air to Air Heat Exchanger			
Air to Air Heat Exchanger	TCB-SFMCA1V-E	Multi Function Sensor (CO2/PM)-(Compatible with all Model Sizes)	£665
	RBC-VNMC-HE1	Control For VN-U00151/01001SY-E	£384
	RBC-VNMH1-PE	100mm Heater Kit (For VN-U00151SY-E)	£444
	RBC-VNMH2-PE	150mm Heater Kit (For VN-U00251 / 351SY-E)	£456
	RBC-VNMH3-PE	200mm Heater Kit (For VN-U00501 / 650SY-E)	£513
	RBC-VNMH4-PE	250mm Heater Kit (For VN-U00801 / 01001SY-E)	£526
	RBC-VNUWPH01	Weatherproof Housing for VN-U0015/VN-U00251/VN-U00351SY-E	£4,550
	RBC-VNUWPH02	Weatherproof Housing for VN-U0501/VN-U0651SY-E	£5,006
	RBC-VNUWPH03	Weatherproof Housing for VN-U0801/VN-U01001SY-E	£5,479
	RBC-VNUWPH04	Weatherproof Housing for VN-U01501/VN-U02001SY-E	£5,479
RBC-VNUWPH04	Weatherproof Housing for VN-U01501/VN-U02001SY-E	£7,467	

* Additional delivery charges may apply

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