

TOSHIBA

AIR CONDITIONING



OCTOBER 2013
RESIDENTIAL & LIGHT COMMERCIAL

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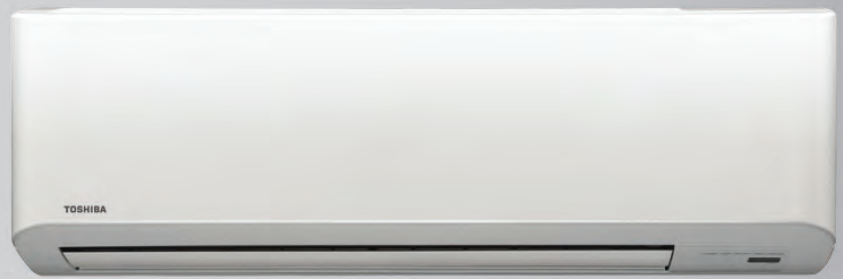
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WARRANTY

Five Year Parts and Labour on all RLC Toshiba products unless otherwise specified.
One year part and labour warranty on Toshiba VRF Systems > 18kW.
See Warranty terms and conditions for details.

1:0 Inverter Hi-Wall System



1:1 Inverter Hi-Wall System



Single 1:1 Hi-Wall System

Product Code				Operating Capacity Range (kW)		EER C.O.P. (Rated)	Outdoor Temperature Range (c' c)	HxWxD (mm)	Pipe Size	Pipe Max (m)		Weight (Kg)	Max Operating Current (A)
				Cool	Heat				Liquid Gas	Length Height	Ch/less Length		
RAS-10N3KV2-A	Indoor			2.5 (1.1 - 3.1)	3.2 (0.9 - 4.8)	4.18	C: -10~46	275 x 790 x 225	6.35	20	15	10	6.21
RAS-10N3AV2-A	Outdoor					4.27	H: -15~24	550 x 780 x 290	9.52	10		33	
RAS-13N3KV2-A	Indoor			3.4 (2.0 - 4.1)	4.2 (1.8 - 5.6)	3.70	C: -10~46	275 x 790 x 225	6.35	20	15	10	7.55
RAS-13N3AV2-A	Outdoor					3.75	H: -15~24	550 x 780 x 290	9.52	10		37	
RAS-16N3KV2-A	Indoor			4.4 (0.8 - 5.0)	5.3 (0.9 - 6.3)	3.28	C: -10~46	275 x 790 x 225	6.35	20	15	10	8.77
RAS-16N3AV2-A	Outdoor					3.53	H: -15~24	550 x 780 x 290	12.70	10		38	
RAS-18N3KV2-A	Indoor			5.0 (1.1 - 6.0)	5.8 (0.8 - 6.3)	3.52	C: -10~46	320 x 1050 x 243	6.35	20	15	13	7.58
RAS-18N3AV2-A	Outdoor					3.72	H: -15~24	550 x 780 x 290	12.70	10		41	
RAS-22N3KV2-A	Indoor			6.0 (1.2 - 6.7)	7.0 (1.0 - 7.5)	3.28	C: -10~46	320 x 1050 x 243	6.35	20	15	13	9.79
RAS-22N3AV2-A	Outdoor					3.54	H: -15~24	630 x 800 x 300	12.70	10		43	
RAS-24N3KV2-A	Indoor			7.1 (1.5 - 7.7)	8.1 (1.6 - 9.0)	3.16	C: -10~46	320 x 1050 x 243	9.52	30	20	13	14.62
RAS-24N3AV2-A	Outdoor					3.31	H: -15~24	890 x 900 x 320	15.88	20		65	

Optional Accessory

Product Code			
RAS-AC1210	CN22 External On/Off Input Status Output Adaptor		





1:0 Inverter Hi-Wall System

1:2 Daiseikai Inverter Hi-Wall System

HIGH EFFICIENCY
SYSTEM

DAISEIKAI

INVERTER **HFC**
R-410A

Single 1:1 Hi-Wall System

Product Code				Operating Capacity Range (kW)		EER C.O.P. (Rated)	Outdoor Temperature Range (c' c)	HxWxD (mm)	Pipe Size	Pipe Max (m)		Weight (Kg)	Max Operating Current (A)
				Cool	Heat				Liquid Gas	Length Height	Ch/less Length		
RAS-10N3KVP-A	Indoor			2.51	3.21	5.12	C: -10~46	275 x 790 x 225	6.35	25	15	10	8.07
RAS-10N3AVP-A	Outdoor			(0.50 - 3.50)	(0.50 - 6.50)	5.10	H: -15~24	630 x 800 x 300	9.52	10		41	
RAS-13N3KVP-A	Indoor			3.52	4.22	4.19	C: -10~46	275 x 790 x 225	6.35	25	15	10	10.33
RAS-13N3AVP-A	Outdoor			(0.60 - 4.50)	(0.50 - 7.70)	4.44	H: -15~24	630 x 800 x 300	9.52	10		41	
RAS-16N3KVP-A	Indoor			4.53	5.53	3.38	C: -10~46	275 x 790 x 225	6.35	25	15	10	11.12
RAS-16N3AVP-A	Outdoor			(0.80 - 5.00)	(0.70 - 8.00)	3.76	H: -15~24	630 x 800 x 300	12.70	10		41	

1:0 Inverter Hi-Wall System



1:3 Super Digital Inverter Hi-Wall System






Single 1:1 Hi-Wall System

Product Code				Operating Capacity Range (kW)		EER C.O.P. (Rated)	Outdoor Temperature Range (°C)	HxWxD (mm)	Pipe Size	Pipe Max (m)		Weight (Kg)	Rated Operating Current (A)
				Cool	Heat				Liquid Gas	Length Height	Ch/less Length		
RAV-SM566KRT-A	Indoor			5.0	5.6	3.47	C: -15~43	320 x 1050 x 228	6.4	50	30	12	6.98
RAV-SP564AT-A	Outdoor			(1.2 - 5.6)	(0.9 - 7.3)	3.73	H: -20~15	550 x 780 x 290	12.7	30		44	
RAV-SM806KRT-A	Indoor			6.6	8.0	3.46	C: -15~43	320 x 1050 x 228	9.5	50	30	12	11.02
RAV-SP804AT-A	Outdoor			(1.9 - 8.0)	(1.3 - 10.6)	3.42	H: -20~15	890 x 900 x 320	15.9	30		63	

Infrared Remote Controller included

Control Options

Product Code				RBC-AMT32E	RBC-AMS41E	RBC-AMS51E-EN
RBC-AMT32E	Wired Control					
RBC-AMS41E	Wired Control with Weekly Timer					
RBC-AMS51E-EN	Backlit Wired Control with Timer					



1:0 Inverter Hi-Wall System




1:4 Super Digital Inverter Hi-Wall Twin System

Twin 1:1 Hi-Wall System

Product Code				Operating Capacity Range (kW)		EER C.O.P. (Rated)	Outdoor Temperature Range (c' c)	HxWxD (mm)	Pipe Size	Pipe Max (m)		Weight (Kg)	Rated Operating Current (A)
				Cool	Heat				Liquid Gas	Length Height	Ch/less Length		
RAV-SM806KRT-A x 2	Indoor			12.3 (2.6 - 13.5)	14.0 (2.6 - 16.5)	3.17	C: -15~43	320 x 1050 x 228	9.5	50	30	12	18.0
RAV-SP1404AT-A	Outdoor					3.66	H: -20~15					93	
RBC-TWP50E2	Twin Kit												

Infrared Remote Controller included

Control Options

Product Code				RBC-AMT32E	RBC-AMS41E	RBC-AMS51E-EN
RBC-AMT32E	Wired Control					
RBC-AMS41E	Wired Control with Weekly Timer					
RBC-AMS51E-EN	Backlit Wired Control with Timer					

2:0 Multi Split Inverter System



2:1 Multi Split Inverter System



Multi Condensing Units

Product Code			HxWxD (mm)	Cool (kW)	Heat (kW)	EER / COP Rated	Chargeless Length (m)	Maximum Pipe Length (m)	Maximum Height Difference (m)	Operating Range	Weight (Kg)
RAS-M18UAV-E			550 x 780 x 290	5.2 (1.4 - 6.2)	5.6 (0.9 - 8.5)	C: 3.25 H: 3.62	20	30	10	C: 5~43 H: -10~24	40
RAS-3M26UAV-E			890 x 900 x 320	7.5 (4.2 - 9.0)	9.0 (3.0 - 11.2)	C: 3.75 H: 4.09	40	70	15	C: 10~43 H: -15~22	69
RAS-4M27UAV-E			795 x 900 x 320	8.0 (4.2 - 9.2)	9.0 (3.0 - 11.7)	C: 3.20 H: 4.20	70	70	15	C: 10~43 H: -10~22	65
RAS-5M34UAV-E1			890 x 900 x 320	10 (3.7 - 11.0)	12.0 (3.4 - 14.0)	C: 3.42 H: 4.24	40	80	15	C: 10~43 H: -10~22	72

Note RAS-M18GAV-E, RAS-3M26GAV-E1, RAS-4M27GAV-E1 and RAS-5M34UAV-E are also compatible CDU

Multi Hi-Wall Type Fan Coils

Product Code			HxWxD (mm)	Cool (kW)	Heat (kW)	Liquid Pipe Size (m)	Gas Pipe Size (m)	Liquid Line	Gas Line	Weight (Kg)
RAS-M07SKV-E			275 x 790 x 205	2.0 (1.4 - 2.5)	2.7 (0.8 - 3.7)	6.35	9.52	6.35	9.52	9
RAS-M10SKV-E			275 x 790 x 205	2.5 (1.1 - 3.0)	3.2 (0.9 - 4.1)	6.35	9.52	6.35	9.52	9
RAS-M13SKV-E			275 x 790 x 205	3.5 (1.1 - 4.4)	4.2 (0.7 - 6.5)	6.35	9.52	6.35	9.52	9
RAS-M16SKV-E			275 x 790 x 205	4.5 (1.4 - 4.9)	5.5 (0.8 - 6.9)	6.35	12.70	6.35	12.70	9
RAS-M22SKV-E			320 x 1050 x 228	6.0 (1.2 - 6.7)	7.0 (1.0 - 7.5)	6.35	12.70	6.35	12.70	13
RAS-M24SKV-E			320 x 1050 x 228	7.10	8.10	6.35	12.70	6.35	12.70	13

Multi Ducted Type Fan Coils

Product Code			HxWxD (mm)	Cool (kW)	Heat (kW)	Liquid Pipe Size (m)	Gas Pipe Size (m)	Liquid Line	Gas Line	Weight (Kg)
RAS-M10GDV-E			230 x 750 x 440	2.7 (1.1 - 3.2)	4.0 (0.7 - 5.2)	6.35	9.52	6.35	9.52	19
RAS-M13GDV-E			230 x 750 x 440	3.7 (1.1 - 4.2)	5.0 (0.7 - 6.5)	6.35	9.52	6.35	9.52	19
RAS-M16GDV-E			230 x 750 x 440	4.5 (1.4 - 4.9)	5.5 (0.8 - 6.9)	6.35	12.70	6.35	12.7	19



2:0 Multi Split Inverter System

2:1 Multi Split Inverter System cont...



Multi Cassette Type Fan Coils

Product Code			HxWxD (mm)	Cool (kW)	Heat (kW)	Liquid Pipe Size (m)	Gas Pipe Size (m)	Liquid Line	Gas Line	Weight (Kg)
RAS-M10SMUV-E			268 x 575 x 575	2.5 (1.1 - 3.2)	3.2 (0.7 - 5.2)	6.35	9.52	6.35	9.52	17
RAS-M13SMUV-E			268 x 575 x 575	3.5 (1.1 - 4.4)	4.2 (0.7 - 6.5)	6.35	9.52	6.35	9.52	17
RAS-M16SMUV-E			268 x 575 x 575	4.5 (1.4 - 4.9)	5.5 (0.8 - 6.9)	6.35	12.70	6.35	12.7	17
RB-B11MC(W)E			0 0 7 x 0 0 7 x 7 2	a i c s a F						3

Floor Console Type Fan Coils

Product Code			HxWxD (mm)	Cool (kW)	Heat (kW)	Liquid Pipe Size (m)	Gas Pipe Size (m)	Liquid Line	Gas Line	Weight (Kg)
RAS-B10UFV-A			600 x 700 x 220	2.4	3.2	6.35	9.52	6.35	9.52	16
RAS-B13UFV-A			600 x 700 x 220	3.5	4.1	6.35	9.52	6.35	9.52	16
RAS-B18UFV-A			600 x 700 x 220	4.9	5.8	6.35	9.52	6.35	9.52	16

Optional Acces sories

Product Code			
RBC-SH-A1LE2	Wired Controller		
RB-F81E2	Drain Pump Kit		

Only for GDV Ducted Type products.

3:0 4 Way Cassette System



3:1 Digital Inverter 4 Way Cassette System



Single 1:1 4 Way Cassette Type

Product Code				Operating Capacity Range (kW)		EER C.O.P. (Rated)	Outdoor Temperature Range (°C)	HxWxD (mm)	Pipe Size	Pipe Max (m)	Weight (Kg)	Rated Operating Current (A)
				Cool	Heat				Liquid Gas	Length Height	Ch/less Length	
RAV-SM564UT-E	Indoor			5.3 (1.5 - 5.6)	5.6 (1.5 - 6.3)	3.21	C: -15~43 H: -15~15	256 x 840 x 840	6.4	50	20	7.89
RAV-SM563AT-A	Outdoor					3.89		550 x 780 x 290	12.7	30	20	
RBC-U31PG(W)-E	Fascia					-	-	30 x 950 x 950	-	-	4	

RAV-SM804UT-E	Indoor			6.2 (1.5 - 8.0)	8.0 (1.5 - 9.0)	3.27	C: -15~43 H: -15~15	256 x 840 x 840	9.5	50	20	8.90
RAV-SM803AT-A	Outdoor					3.62		795 x 900 x 320	15.9	30	63	
RBC-U31PG(W)-E	Fascia					-	-	30 x 950 x 950	-	-	4	

RAV-SM1104UT-E	Indoor			10.0 (3.0 - 11.2)	11.2 (3.0 - 13.0)	3.22	C: -15~43 H: -15~15	319 x 840 x 840	9.5	75	24	14.42
RAV-SM1103AT-A	Outdoor					3.82		795 x 900 x 320	15.9	30	93	
RBC-U31PG(W)-E	Fascia					-	-	30 x 950 x 950	-	-	4	

RAV-SM1404UT-E	Indoor			11.2 (3.0 - 13.2)	14.0 (3.0 - 16.0)	3.34	C: -15~43 H: -15~15	319 x 840 x 840	9.5	75	24	15.70
RAV-SM1403AT-A	Outdoor					3.68		1340 x 900 x 320	15.9	30	93	
RBC-U31PG(W)-E	Fascia					-	-	30 x 950 x 950	-	-	4	

RAV-SM1604UT-E	Indoor			14.0 (3.0 - 16.0)	16.0 (3.0 - 18.0)	3.12	C: -15~43 H: -15~15	319 x 840 x 840	9.5	50	24	21.48
RAV-SM1603AT-A	Outdoor					3.61		1340 x 900 x 320	15.9	30	99	
RBC-U31PG(W)-E	Fascia					-	-	30 x 950 x 950	-	-	4	

Control Options

Product Code				
RBC-AMT32E	Wired Control			
RBC-AMS41E	Wired Control with Weekly Timer			
RBC-AMS51E-EN	Backlit Wired Control with Timer			

RBC-AMT32E

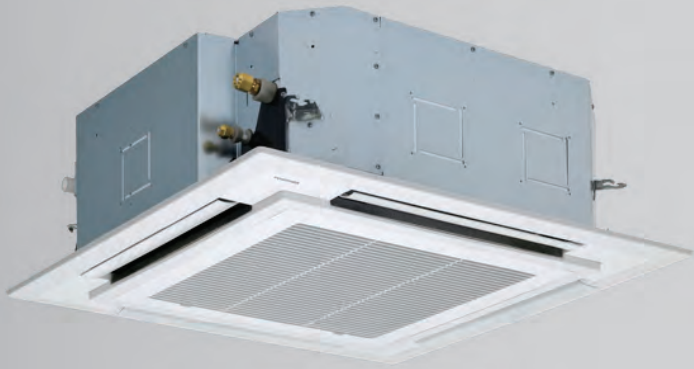


RBC-AMS41E



RBC-AMS51E-EN





3:0 4 Way Cassette System

3:2 Digital Inverter 4 Way Twin Cassette System



Twin 1:1 4 Way Cassette Type




Product Code				Operating Capacity Range (kW)		EER C.O.P. (Rated)	Outdoor Temperature Range (°C)	HxWxD (mm)	Pipe Size	Pipe Max (m)		Weight (Kg)	Rated Operating Current (A)
				Cool	Heat				Liquid Gas	Length Height	Ch/less Length		
RAV-SM804UT-E x 2	Indoor			11.2 (3.0 - 13.2)	14.0 (3.0 - 16.0)	3.21	C: -15~43 H: -15~15	320 x 1350 x 800	9.5	50	30	14	17.81
RAV-SM1403AT-A	Outdoor					3.89		795 x 900 x 320	15.9	30		54	
RBC-U31PG(W)-E x 2	Fascia					-	-	30 x 950 x 950	-	-	-	4	
RBC-TWP50E2	Twin Kit												

Optional Accessory

Product Code			
RBC-AX31U(W)-E	Remote Control		



Control Options

Product Code				RBC-AMT32E	RBC-AMS41E	RBC-AMS51E-EN
RBC-AMT32E	Wired Control					
RBC-AMS41E	Wired Control with Weekly Timer					
RBC-AMS51E-EN	Backlit Wired Control with Timer					

3:0 4 Way Cassette System



3:3 Super Digital Inverter 4 Way Compact Cassette System



Single 1:1 4 Way Compact Cassette Type

Product Code				Operating Capacity Range (kW)		EER C.O.P. (Rated)	Outdoor Temperature Range (c' c)	HxWxD (mm)	Pipe Size	Pipe Max (m)		Weight (Kg)	Rated Operating Current (A)
				Cool	Heat				Liquid Gas	Length Height	Ch/less Length		
RAV-SM564MUT-E	Indoor			4.7 (1.2 - 5.6)	5.6 (0.9 - 7.4)	3.38	C: -15~43 H: -20~15	268 x 575 x 575	6.4	50	20	16	7.14
RAV-SP564AT-A	Outdoor					3.64		550 x 780 x 290	12.7	30		44	
RBC-UM11PG(W)E	Fascia					-		-	27 x 575 x 575	-		-	
System													

3:4 Super Digital Inverter 4 Way Cassette System

Single 1:1 4 Way Cassette Type

Product Code				Operating Capacity Range (kW)		EER C.O.P. (Rated)	Outdoor Temperature Range (c' c)	HxWxD (mm)	Pipe Size	Pipe Max (m)		Weight (Kg)	Rated Operating Current (A)
				Cool	Heat				Liquid Gas	Length Height	Ch/less Length		
RAV-SM564UT-E	Indoor			5.3 (1.2 - 5.6)	5.6 (0.9 - 8.1)	3.61	C: -15~43 H: -20~15	256 x 840 x 840	6.4	50	20	20	6.82
RAV-SP564AT-A	Outdoor					4.63		550 x 780 x 290	12.7	30		44	
RBC-U31PG(W)-E	Fascia					-		-	27 x 575 x 575	-		-	
RAV-SM804UT-E	Indoor			7.1 (1.9 - 8.0)	8.0 (1.3 - 11.3)	3.82	C: -15~43 H: -20~15	256 x 840 x 840	9.5	50	30	20	8.72
RAV-SP804AT-A	Outdoor					4.19		890 x 900 x 320	15.9	30		63	
RBC-U31PG(W)-E	Fascia					-		-	27 x 575 x 575	-		-	
RAV-SM1104UT-E	Indoor			10.0 (2.6 - 12.0)	11.2 (2.4 - 13.0)	4.52	C: -15~43 H: -20~15	319 x 840 x 840	9.5	75	30	24	10.36
RAV-SP1104AT-A	Outdoor					4.79		1340 x 900 x 320	15.9	30		93	
RBC-U31PG(W)-E	Fascia					-		-	27 x 575 x 575	-		-	
RAV-SM1404UT-E	Indoor			12.5 (2.6 - 14.0)	14.0 (2.4 - 16.5)	3.96	C: -15~43 H: -20~15	319 x 840 x 840	9.5	75	30	24	14.66
RAV-SP1404AT-A	Outdoor					4.36		1340 x 900 x 320	15.9	30		93	
RBC-U31PG(W)-E	Fascia					-		-	27 x 575 x 575	-		-	

Control Options

Product Code			
RBC-AMT32E	Wired Control		
RBC-AMS41E	Wired Control with Weekly Timer		
RBC-AMS51E-EN	Backlit Wired Control with Timer		

RBC-AMT32E



RBC-AMS41E



RBC-AMS51E-EN





4:0 Standard Ducted System

4:1 Super Digital Inverter Standard Ducted System



Single 1:1 Standard Ducted Type

Product Code				Operating Capacity Range (kW)		EER C.O.P. (Rated)	Outdoor Temperature Range (°C)	HxWxD (mm)	Pipe Size	Pipe Max (m)		Weight (Kg)	Rated Operating Current (A)
				Cool	Heat				Liquid Gas	Length Height	Ch/less Length		
RAV-SM564BT-E	Indoor			4.7 (1.2 - 5.6)	5.6 (0.9 - 7.4)	3.38	C: -15~43	320 x 700 x 800	6.4	50	20	30	7.19
RAV-SP564AT-A	Outdoor					3.61	H: -20~15	550 x 780 x 290	12.7	30		44	
RAV-SM804BT-E	Indoor			6.6 1.9 - 8.0)	8.0 (1.3 - 10.0)	3.46	C: -15~43	320 x 1000 x 800	9.5	50	30	39	10.36
RAV-SP804AT-A	Outdoor					3.62	H: -20~15	890 x 900 x 320	15.9	30		63	
RAV-SM1104BT-E	Indoor			10.0 (2.6 - 12.0)	11.2 (2.4 - 13.0)	3.4	C: -15~43	320 x 1350 x 800	9.5	75	30	54	12.98
RAV-SP1104AT-A	Outdoor					4.04	H: -20~15	1340 x 900 x 320	15.9	30		93	
RAV-SM1404BT-E	Indoor			12.5 (2.6 - 14.0)	14.0 (2.4 - 16.5)	3.26	C: -15~43	320 x 1350 x 800	9.5	75	30	54	15.82
RAV-SP1404AT-A	Outdoor					4.11	H: -20~15	1340 x 900 x 320	15.9	30		93	

4:2 Super Digital Inverter Standard Twin Ducted System

Twin 1:1 Standard Ducted Type

Product Code				Operating Capacity Range (kW)		EER C.O.P. (Rated)	Outdoor Temperature Range (°C)	HxWxD (mm)	Pipe Size	Pipe Max (m)		Weight (Kg)	Rated Operating Current (A)
				Cool	Heat				Liquid Gas	Length Height	Ch/less Length		
RAV-SM804BT-E x 2	Indoor			12.5 (3.3 - 14.1)	14.0 (4.2 - 18.0)	3.42	C: -15~43	320 x 1050 x 800	9.5	75	30	39	15.80
RAV-SP1404AT-A	Outdoor					4.14	H: -20~15	1340 x 900 x 320	12.7	30		93	
RBC-TWP50E2	Twin Kit												

Control Options

Product Code				RBC-AMT32E	RBC-AMS41E	RBC-AMS51E-EN
RBC-AMT32E	Wired Control					
RBC-AMS41E	Wired Control with Weekly Timer					
RBC-AMS51E-EN	Backlit Wired Control with Timer					

5:0 Under Ceiling System






5:1 Super Digital Inverter Under Ceiling System



Single 1:1 Under Ceiling Type

Product Code				Operating Capacity Range (kW)		EER C.O.P. (Rated)	Outdoor Temperature Range (c' c)	HxWxD (mm)	Pipe Size	Pipe Max (m)	Weight (Kg)	Rated Operating Current (A)
				Cool	Heat				Liquid Gas	Length Height		
RAV-SM564CT-E	Indoor			4.7 (1.2 - 5.6)	5.6 (0.9 - 7.4)	3.38	C: -15~43	210 x 910 x 680	6.4	50	21	6.82
RAV-SP564AT-A	Outdoor					3.81	H: -20~15	550 x 780 x 290	12.7	30		
										20	44	
RAV-SM804CT-E	Indoor			6.6 (1.9 - 8.0)	8.0 (1.3 - 10.6)	3.46	C: -15~43	210 x 1180 x 680	9.5	50	25	10.12
RAV-SP804AT-A	Outdoor					3.70	H: -20~15	890 x 900 x 320	15.9	30		
										30	63	
RAV-SM1104CT-E	Indoor			10.0 (2.6 - 12.0)	11.2 (2.4 - 13.0)	3.75	C: -15~43	210 x 1595 x 680	9.5	75	33	12.28
RAV-SP1104AT-A	Outdoor					4.27	H: -20~15	1340 x 900 x 320	15.9	30		
										30	93	
RAV-SM1404CT-E	Indoor			12.5 (2.6 - 14.0)	14.0 (2.4 - 16.5)	3.35	C: -15~43	210 x 1595 x 680	9.5	75	33	16.93
RAV-SP1404AT-A	Outdoor					3.84	H: -20~15	1340 x 900 x 320	15.9	30		
										30	93	

Control Options

Product Code				RBC-AMT32E	RBC-AMS41E	RBC-AMS51E-EN
RBC-AMT32E	Wired Control					
RBC-AMS41E	Wired Control with Weekly Timer					
RBC-AMS51E-EN	Backlit Wired Control with Timer					



6:0 Single Digital Inverter - Three Phase System

6:1 Super Digital Inverter - 3 Phase Systems



Single 1:1 4 Way Cassette Type

Product Code		Operating Capacity Range (kW)		EER C.O.P. (Rated)	Outdoor Temperature Range (c° c)	HxWxD (mm)	Pipe Size	Pipe Max (m)		Weight (Kg)	Rated Operating Current (A)
							Liquid Gas	Length Height	Ch/less Length		
RAV-SM1404UT-E	Indoor	12.5 (2.6 - 14.0)	14.0 (2.4 - 18.0)	3.61 4.09	C: -15 - 46m H: -20 - 15	319 x 840 x 840 1340 x 900 x 320	9.5 15.9	75 30	30	24	6.03
RAV-SP1404AT8-A	Outdoor									95	
RBC-U31PG(W)-E	Fascia										
RAV-SM1604UT-E	Indoor	14.0 (2.6 - 16.0)	16.0 (2.4 - 19.0)	3.12 3.72	C: -15 - 46 H: -20 - 15	319 x 840 x 840 1340 x 900 x 320	9.5 15.9	75 30	30	24	7.55
RAV-SP1604AT8-A	Outdoor									95	
RBC-U31PG(W)-E	Fascia										

6:2 Super Digital Inverter - 3 Phase Systems

Single 1:1 Ducted Type

Product Code		Operating Capacity Range (kW)		EER C.O.P. (Rated)	Outdoor Temperature Range (c° c)	HxWxD (mm)	Pipe Size	Pipe Max (m)		Weight (Kg)	Rated Operating Current (A)
							Liquid Gas	Length Height	Ch/less Length		
RAV-SM1406BT-E	Indoor	12.5 (2.6 - 14.0)	14.0 (2.4 - 18)	3.24 3.81	C: -15 - 46 H: -20 - 15	275 x 1400 x 750 1340 x 900 x 320	9.5 15.9	75 30	30	40	6.74
RAV-SP1404AT8-A	Outdoor									95	
RAV-SM1603DT-A	Indoor	13.6 (3.3 - 16.0)	16.0 (4.2 - 19.0)	3.30 3.61	C: -15 - 46 H: -20 - 15	380 x 1050 x 600 1340 x 900 x 320	9.5 15.9	75 30	30	57	7.03
RAV-SP1604AT8-A	Outdoor									95	

6:3 Super Digital Inverter - 3 Phase Systems

Single 1:1 Under Ceiling Type

Product Code		Operating Capacity Range (kW)		EER C.O.P. (Rated)	Outdoor Temperature Range (c° c)	HxWxD (mm)	Pipe Size	Pipe Max (m)		Weight (Kg)	Rated Operating Current (A)
							Liquid Gas	Length Height	Ch/less Length		
RAV-SM1404CT-E	Indoor	12.5 (2.6 - 14.0)	14.0 (2.4 - 18.0)	3.26 3.78	C: -15 - 46 H: -20 - 15	210 x 1595 x 680 1340 x 900 x 320	9.5 15.9	75 30	30	33	6.67
RAV-SP1404AT8-A	Outdoor									95	

Control Options

Product Code		Control Options	RBC-AMT32E	RBC-AMS41E	RBC-AMS51E-EN
RBC-AMT32E	Wired Control				
RBC-AMS41E	Wired Control with Weekly Timer				
RBC-AMS51E-EN	Backlit Wired Control with Timer				

7:0 High Static Ducted System



7:1 Single Phase Systems



Single 1:1 High Static Ducted Type

Product Code				Operating Capacity Range (kW)		EER C.O.P. (Rated)	Outdoor Temperature Range (c' c)	HxWxD (mm)	Pipe Size	Pipe Max (m)		Weight (Kg)	Rated Operating Current (A)
				Cool	Heat				Liquid Gas	Length Height	Ch/less Length		
RAV-SM1103DT-A	Indoor			10.4 (3.3 - 12.1)	11.3 (4.2 - 17.0)	3.3	C: -15~43	380 x 1050 x 600	9.5	75	30	57	12.1
RAV-SP1104AT-A	Outdoor					4.38	H: -20~15	1340 x 900 x 320	15.9	30		93	
RAV-SM1403DT-A	Indoor			12.5 (3.3 - 14.1)	14.0 (4.2 - 18.0)	3.42	C: -15~43	380 x 1050 x 600	9.5	75	30	57	15.8
RAV-SP1404AT-A	Outdoor					4.14	H: -20~15	1340 x 900 x 320	15.9	30		93	
RAV-SM1603DT-A	Indoor			13.5 (3.5 - 16.0)	16.0 (4.6 - 18.0)	3.29	C: -15~43	380 x 1050 x 600	9.5	50	30	57	21.87
RAV-SM1603AT-A	Outdoor					3.50	H: -15~15	1340 x 900 x 320	15.9	30		99	

7:2 3 Phase Systems

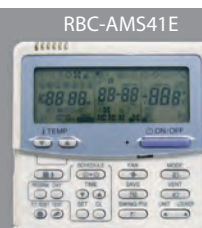


Single 1:1 High Static Ducted Type

Product Code				Operating Capacity Range (kW)		EER C.O.P. (Rated)	Outdoor Temperature Range (c' c)	HxWxD (mm)	Pipe Size	Pipe Max (m)		Weight (Kg)	Rated Operating Current (A)
				Cool	Heat				Liquid Gas	Length Height	Ch/less Length		
RAV-SM2242DT-E	Indoor			16.7 (9.8 - 22.4)	22.4 (9.8 - 25.0)	3.27	C: -15~46	470 x 1380 x 1250	12.7	70	30	160	8.68
RAV-SM2244AT8-A	Outdoor					3.45	H: -20~15	1340 x 900 x 320	28.6	30		134	
RAV-SM2802DT-E	Indoor			20.0 (9.8 - 27.0)	27.0 (9.8 - 31.5)	3.23	C: -15~46	470 x 1380 x 1250	12.7	70	30	160	11.36
RAV-SM2804AT8-A	Outdoor					3.31	H: -20~15	1540 x 900 x 320	28.6	30		134	

Control Options

Product Code				RBC-AMT32E	RBC-AMS41E	RBC-AMS51E-EN
RBC-AMT32E	Wired Control					
RBC-AMS41E	Wired Control with Weekly Timer					
RBC-AMS51E-EN	Backlit Wired Control with Timer					



8:0 VRF Systems



8:1 VRF Indoor Units

Product Code	Model Name	Cooling (kW)	Heating (kW)	Height (mm)	Width (mm)	Depth (mm)	Weight (Kg)			Fascia for Cassette
4-Way Cassette*  If in need of above 10% outside Air to maximum 20%, the following parts are required: 1. TCB-GFC1601UE2 (Fresh Air Inlet Chamber) 2. TCB-GB1601UE2 (Inlet Box – for Duct connection)	MMU-AP0092H	2.8	3.2	256	840	840	20			ModelRBC-U31PG(W)-E
	MMU-AP0122H	3.6	4	256	840	840	20			
	MMU-AP0152H	4.5	5	256	840	840	22			
	MMU-AP0182H	5.6	6.3	256	840	840	22			
	MMU-AP0242H	7.1	8	256	840	840	23			
	MMU-AP0272H	8	9	256	840	840	23			
	MMU-AP0302H	9	10	256	840	840	23			
	MMU-AP0362H	11.2	12.5	319	840	840	28			
	MMU-AP0482H	14	16	319	840	840	28			
	MMU-AP0562H	16	18	319	840	840	28			
Compact 4 way Cassette* 	MMU-AP0074MH-E	2.2	2.5	268	575	575	17			ModelRBC-UM11PG(W)-E
	MMU-AP0094MH-E	2.8	3.2	268	575	575	17			
	MMU-AP0124MH-E	3.6	4	268	575	575	17			
	MMU-AP0154MH-E	4.5	5	268	575	575	17			
	MMU-AP0184MH-E	5.6	6.3	268	575	575	17			
1 Series 2 Way Cassette*  WHILE STOCKS LAST	MMU-AP0071WH	2.2	2.5	398	830	550	33			ModelRBC-UW136PG
	MMU-AP0091WH	2.8	3.2	398	830	550	33			
	MMU-AP0121WH	3.6	4	398	830	550	33			
	MMU-AP0151WH	4.5	5	398	1350	550	44			ModelRBC-UW266PG
	MMU-AP0181WH	5.6	6.3	398	1350	550	44			
	MMU-AP0241WH	7.1	8	398	1350	550	48			
	MMU-AP0271WH	8	9	398	1350	550	48			
	MMU-AP0301WH	9	10	398	1350	550	48			
2 Series 2 Way Cassette* 	MMU-AP0072WH	2.2	2.5	295	815	570	19			ModelRBC-UW283PG(W)-E
	MMU-AP0092WH	2.8	3.2	295	815	570	19			
	MMU-AP0122WH	3.6	4	295	815	570	19			
	MMU-AP0152WH	4.5	5	295	815	570	19			
	MMU-AP0182WH	5.6	6.3	345	1180	570	26			ModelRBC-UW803PG(W)-E
	MMU-AP0242WH	7.1	8	345	1180	570	26			
	MMU-AP0272WH	8	9	345	1180	570	26			
	MMU-AP0302WH	9	10	345	1180	570	26			
	MMU-AP0362WH	11.2	12.5	345	1600	570	36			ModelRBC-UW1403PG(W)-E
	MMU-AP0482WH	14	16	345	1600	570	36			
	MMU-AP0562WH	16	18	345	1600	570	36			
1 Way Casstte* 	MMU-AP0074YH-E	2.2	2.5	235	850	400	22			ModelRBC-UY136PG
	MMU-AP0094YH-E	2.8	3.2	235	850	400	22			
	MMU-AP0124YH-E	3.6	4	235	850	400	22			
	MMU-AP0154SH-E	4.5	5	200	1000	710	21			ModelRBC-US21PGE
	MMU-AP0184SH-E	5.6	6.3	200	1000	710	22			
	MMU-AP0244SH-E	7.1	8	200	1000	710	22			

Note: Selection and design using the SMMS range of products should be based on the Toshiba SMMS design tool and Toshiba Manual and Engineering Data Book).

* Must Order appropriate panels from accessories.

8:0 VRF Systems



8:1 VRF Indoor Units cont...






Product Code	Model Name	Cooling (kW)	Heating (kW)	Height (mm)	Width (mm)	Depth (mm)	Weight (Kg)		
 Concealed Duct, Stand Type	MMD-AP0074BH-E	2.2	2.5	320	550	800	27		
	MMD-AP0094BH-E	2.8	3.2	320	550	800	27		
	MMD-AP0124BH-E	3.6	4	320	550	800	27		
	MMD-AP0154BH-E	4.5	5	320	700	800	30		
	MMD-AP0184BH-E	5.6	6.3	320	700	800	30		
	MMD-AP0244BH-E	7.1	8	320	1000	800	39		
	MMD-AP0274BH-E	8	9	320	1000	800	39		
	MMD-AP0304BH-E	9	10	320	1000	800	39		
	MMD-AP0364BH-E	11.2	12.5	320	1350	800	51		
	MMD-AP0484BH-E	14	16	320	1350	800	51		
	MMD-AP0564BH-E	16	18	320	1350	800	51		
 Concealed Duct, High Static Pressure	MMD-AP0184H-E	5.6	6.3	380	850	660	50		
	MMD-AP0244H-E	7.1	8	380	850	660	52		
	MMD-AP0274H-E	8	9	380	850	660	52		
	MMD-AP0364H-E	11.2	12.5	380	850	660	56		
	MMD-AP0484H-E	14	16	380	1200	660	67		
	MMD-AP0724H-E	22.4	25	470	1380	1250	155		
	MMD-AP0964H-E	28	31.5	470	1380	1250	155		
 Slim Duct	MMD-AP0074SPH-E	2.2	2.5	210	845	645	22		
	MMD-AP0094SPH-E	2.8	3.2	210	845	645	22		
	MMD-AP0124SPH-E	3.6	4	210	845	645	23		
	MMD-AP0154SPH-E	4.5	5	210	845	645	23		
	MMD-AP0184SPH-E	5.6	6.3	210	845	645	23		
	MMD-AP0244SPH-E	7.1	8	210	1140	645	29		
	MMD-AP0274SPH-E	8	9	210	1140	645	29		
 Underceiling	MMC-AP0154H-E	4.5	5	210	910	680	21		
	MMC-AP0184H-E	5.6	6.3	210	910	680	21		
	MMC-AP0244H-E	7.1	8	210	1180	680	25		
	MMC-AP0274H-E	8	9	210	1180	680	25		
	MMC-AP0364H-E	11.2	12.5	210	1595	680	33		
	MMC-AP0484H-E	14	16	210	1595	680	33		
 Compact High Wall**	MMK-AP0074MH-E	2.2	2.5	275	790	208	11		
	MMK-AP0094MH-E	2.8	3.2	275	790	208	11		
	MMK-AP0124MH-E	3.6	4	275	790	208	11		
 High Wall**	MMK-AP0073H	2.2	2.5	320	1050	228	15		
	MMK-AP0093H	2.8	3.2	320	1050	228	15		
	MMK-AP0123H	3.6	4.0	320	1050	228	15		
	MMK-AP0153H	4.5	5.0	320	1050	228	15		
	MMK-AP0183H	5.6	6.3	320	1050	228	15		
	MMK-AP0243H	7.1	8.0	320	1050	228	15		
 Floor Standing Cabinet Type	MML-AP0074H-E	2.2	2.5	630	950	230	37		
	MML-AP0094H-E	2.8	3.2	630	950	230	37		
	MML-AP0124H-E	3.6	4	630	950	230	37		
	MML-AP0154H-E	4.5	5	630	950	230	37		
	MML-AP0184H-E	5.6	6.3	630	950	230	37		
	MML-AP0244H-E	7.1	8	630	950	230	40		

Note: Selection and design using the SMMS range of products should be based on the Toshiba SMMS design tool and Toshiba Manual and Engineering Data Book.

** The 2 series Hi-Walls are connectable only to MiNi SMMS. The 3 series Hi-Walls are connectable to both SMMS-i and MiNi SMMS.

8:0 VRF Systems

8:1 VRF Indoor Units cont...

Product Code	Model Name	Cooling (kW)	Heating (kW)	Height (mm)	Width (mm)	Depth (mm)	Weight (Kg)		
 Floor Console	MML-AP0074NH-E	2.2	2.5	600	700	220	17		
	MML-AP0094NH-E	2.8	3.2	600	700	220	17		
	MML-AP0124NH-E	3.6	4	600	700	220	17		
	MML-AP0154NH-E	4.5	5	600	700	220	17		
	MML-AP0184NH-E	5.6	6.3	600	700	220	17		
 Floor Standing Concealed Type	MML-AP0074BH-E	2.2	2.5	600	745	220	21		
	MML-AP0094BH-E	2.8	3.2	600	745	220	21		
	MML-AP0124BH-E	3.6	4	600	745	220	21		
	MML-AP0154BH-E	4.5	5	600	1045	220	29		
	MML-AP0184BH-E	5.6	6.3	600	1045	220	29		
	MML-AP0244BH-E	7.1	8	600	1045	220	29		
 Tall Floor Standing	MMF-AP0154H-E	4.5	5	1750	600	210	48		
	MMF-AP0184H-E	5.6	6.3	1750	600	210	48		
	MMF-AP0244H-E	7.1	8	1750	600	210	49		
	MMF-AP0274H-E	8	9	1750	600	210	49		
	MMF-AP0364H-E	11.2	12.5	1750	600	390	65		
	MMF-AP0484H-E	14	16	1750	600	390	65		
 Ducted Type with Fresh Air Intake	MMD-AP0481HFE	14	8.9	492	892	1262	93		
	MMD-AP0721HFE	22.4	13.9	492	1392	1262	144		
	MMD-AP0961HFE	28	17.4	492	1392	1262	144		
 Air-to-Air heat exchanger	VN-250TE	N/A	N/A	882	599	270	29		
	VN-350TE			882	804	270	37		
	VN-500TE			962	904	270	43		
	VN-800TE			1322	884	388	71		
	VN-M150HE			290	900	900	36		
	VN-M250HE			290	900	900	36		
	VN-M350HE			290	900	900	38		
	VN-M500HE			350	1140	1140	53		
	VN-M650HE			350	1140	1140	53		
	VN-M800HE			400	1189	1189	70		
	VN-M1000HE			400	1189	1189	70		
	VN-M1500HE			810	1189	1189	143		
	VN-M2000HE			810	1189	1189	143		

Note: Selection and design using the SMMS range of products should be based on the Toshiba SMMS design tool and Toshiba Manual and Engineering Data Book).

MiNi-SMMS



8:2 MiNi SMMS VRF System



The Toshiba MiNi-SMMS is a small VRF System suitable for both commercial and residential applications, and is available in single and three phase power supply.

Great flexibility and control power combine in a VRF System which is small and compact enough to fit many rooms.

It has been designed to bridge the gap between the versatile inverter Multi Split Systems and the larger capacity of the SMMS-i, the compact MiNi-SMMS Inverter, space-saving system operates with R-410A refrigerant and offers all the groundbreaking benefits of the current SMMS-i Inverter Technology.

Key Features:

- High efficiency
- Unobtrusive appearance
- High reliability
- Quiet operation
- Small and lightweight

MiNi SMMS (MiNi SUPER MODULAR MULTI SYSTEM) - Single Phase

Model Name	Capacity (kW)	Description	Maximum Indoor Units	HxWxD (mm)	Weight (Kg)		
MCY-MAP0401HT	12.1	CDU (All Inverter) for MiNi-SMMS - 12.1KW	6	1340 x 900 x 320	117		
MCY-MAP0501HT	14.0	CDU (All Inverter) for MiNi-SMMS - 14KW	8	1340 x 900 x 320	117		
MCY-MAP0601HT	15.5	CDU (All Inverter) for MiNi-SMMS - 15.5KW	9	1340 x 900 x 320	117		

MiNi SMMS (MiNi SUPER MODULAR MULTI SYSTEM) - Three Phase

Model Name	Capacity (kW)	Description	Maximum Indoor Units	HxWxD (mm)	Weight (Kg)		
MCY-MAP0604HT8	15.5	CDU - 3 phase (All Inverter) for MiNi SMMS - 15.5KW	8	1540 x 900 x 320	123		
MCY-MAP0804HT8	22.4	CDU - 3 Phase (All Inverter) for MiNi SMMS - 22.4KW	8	1540 x 900 x 320	123		

Note: Selection and design using the SMMS range of products should be based on the Toshiba SMMS design tool and Toshiba Manual (Engineering Data Book).



8:3 SMMS-i (Super Modular Multi System) - 2 Pipe System



Key Features:

- Excellent efficiency
- Compact dimensions
- Convenient pipe length for greater flexibility (235m)
- Great support for height difference between indoor units (40m)

SMMS-i (SUPER MODULAR MULTI SYSTEM) - Three Phase

Model Name	Cooling Capacity (kW)	Heating Capacity (kW)	Description	HxWxD (mm)	Weight (Kg)		
MMY-MAP0501HT8	14	16	1	1800 x 990 x 750	228		
MMY-MAP0601HT8	16	18	1	1800 x 990 x 750	228		
MMY-MAP0804HT8	22.4	25	1	1800 x 990 x 780	242		
MMY-MAP1004HT8	28	31.5	1	1800 x 990 x 780	242		
MMY-MAP1204HT8	33.5	37.5	1	1800 x 990 x 780	242		
MMY-MAP1404HT8	40	45	1	1800 x 1210 x 780	330		
MMY-MAP1604HT8	45	50	1	1800 x 1210 x 780	330		
MMY-AP1814HT8	50.4	56.5	(22.4kW + 28.0kW)	1800 x 1980 x 780	484		
MMY-AP2014HT8	56	63	(28.0kW + 28.0kW)	1800 x 1980 x 780	484		
MMY-AP2214HT8	61.5	69	(28.0kW + 33.5kW)	1800 x 1980 x 780	484		
MMY-AP2414HT8	68	76.5	(33.5kW + 33.5kW)	1800 x 1980 x 780	484		
MMY-AP2614HT8	73	81.5	(28.0kW + 45.0kW)	1800 x 2200 x 780	572		
MMY-AP2814HT8	78.5	88	(33.5kW + 45.0kW)	1800 x 2200 x 780	572		
MMY-AP3014HT8	85	95	(40.0kW + 45.0kW)	1800 x 2420 x 780	660		
MMY-AP3214HT8	90	100	(45.0kW + 45.0kW)	1800 x 2420 x 780	660		
MMY-AP3414HT8	96	108	(28.0kW + 33.5kW + 33.5kW)	1800 x 2970 x 780	726		
MMY-AP3614HT8	101	113	(33.5kW + 33.5kW + 33.5kW)	1800 x 2970 x 780	726		
MMY-AP3814HT8	106.5	119.5	(28.0kW + 33.5kW + 45.0kW)	1800 x 3190 x 780	814		
MMY-AP4014HT8	112	127	(33.5kW + 33.5kW + 45.0kW)	1800 x 3190 x 780	814		
MMY-AP4214HT8	118	132	(33.5kW + 40.0kW + 45.0kW)	1800 x 3410 x 780	902		
MMY-AP4414HT8	123.5	138	(33.5kW + 45.0kW + 45.0kW)	1800 x 3410 x 780	902		
MMY-AP4614HT8	130	145	(40.0kW + 45.0kW + 45.0kW)	1800 x 3630 x 780	990		
MMY-AP4814HT8	135	150	(45.0kW + 45.0kW + 45.0kW)	1800 x 3630 x 780	990		

Note: Selection and design using the SMMS range of products should be based on the Toshiba SMMS design tool and Test Data Book (Engineering Data Book).



8:4 SHRM (Super Heat Recover Multi System) - 3 Pipe System



LIMITED STOCK

Toshiba Air Conditioning offers the three-pipe SHRM that delivers simultaneous cooling and heating and exceptional energy efficiency.

The three-pipe VRF SHRM Systems have set new standards in the global marketplace.

For ease of installation and cost saving the outdoor units are modular.

Key Features:

- Energy consumption efficiency: average COP of 3.97 (22.4kW)
- Increased comfort: cooling or heating is automatically selected on a unit-by-unit basis to suit local area requirements and operating environment, thanks to the compact flow selector unit
- Toshiba's unique piping branch flexibility: the three-way pipe connection between indoor and outdoor units accommodates an installation height variation between indoor units of 35m (equivalent to a 9 story building)
- Envious reliability with the Active Oil Management system
- Wide control applications: Artificial Intelligence network system available and Building Management System (BMS) compatible

SHRM (SUPER HEAT RECOVERY MULTI SYSTEM) - Three Phase

Model Name	Capacity (kW)	Description	Max Indoor Units	HxWxD (mm)	Weight (Kg)		
MMY-MAP0802FT8	22.4	1	13	1800 x 750 x 990	263		
MMY-MAP1002FT8	28	1	16	1800 x 750 x 990	263		
MMY-MAP1202FT8	33.5	1	16	1800 x 750 x 990	263		
MMY-AP1602FT8	45	2 (22.4kW + 22.4kW)	27	1800 x 750 x 2000	526		
MMY-AP1802FT8	50.4	2 (28.0kW + 22.4kW)	30	1800 x 750 x 2000	526		
MMY-AP2002FT8	56	2 (28.0kW + 28.0kW)	33	1800 x 750 x 2000	526		
MMY-AP2402FT8	68	3 (22.4kW + 22.4kW + 22.4kW)	40	1800 x 750 x 3010	789		
MMY-AP2602FT8	73	3 (28.0kW + 22.4kW + 22.4kW)	43	1800 x 750 x 3010	789		
MMY-AP2802FT8	78.5	3 (28.0kW + 28.0kW + 22.4kW)	47	1800 x 750 x 3010	789		
MMY-AP3002FT8	84	3 (28.0kW + 28.0kW + 28.0kW)	48	1800 x 750 x 3010	789		

Note: Selection and design using the SMMS range of products should be based on the Toshiba SMMS design tool and Toshiba Manual and Engineering Data Book).

8:5 SHRM-i (Super Heat Recovery Multi System) - 3 Pipe System



Key Features:

- Flexible Refrigerant Flow
- Efficient energy consumption
- High EER and COP
- Flexible piping configuration for easy installation

SHRM-i (SUPER HEAT RECOVERY MULTI SYSTEM) - Three Phase

Model Name	Cooling Capacity (kW)	Heating Capacity (kW)	Description	HxWxD (mm)	Weight (Kg)		
MMY-MAP0804FT8	22.4	25.0	1	1800 x 990 x 780	257		
MMY-MAP1004FT8	28.0	31.5	1	1800 x 990 x 780	257		
MMY-MAP1204FT8	33.5	37.5	1	1800 x 1210 x 780	332		
MMY-MAP1404FT8	40.0	45.0	1	1800 x 1210 x 780	332		
MMY-AP1614FT8	45.0	50.0	(22.4 + 22.4)	1800 x 1980 x 780	514		
MMY-AP1814FT8	50.4	56.5	(22.4 + 28.0)	1800 x 1980 x 780	514		
MMY-AP2014FT8	56.0	63.0	(28.0 + 28.0)	1800 x 1980 x 780	514		
MMY-AP2214FT8	61.5	69.0	(28.0 + 33.5)	1800 x 2200 x 780	589		
MMY-AP2414FT8	68.0	76.5	(28.0 + 40.0)	1800 x 2200 x 780	589		
MMY-AP2614FT8	73.0	81.5	(33.5 + 40.0)	1800 x 2420 x 780	664		
MMY-AP2814FT8	78.5	88.0	(40.0 + 40.0)	1800 x 2420 x 780	664		
MMY-AP3014FT8	85.0	95.0	(28.0 + 28.0 + 28.0)	1800 x 2970 x 780	771		
MMY-AP3214FT8	90.0	100.0	(28.0 + 28.0 + 33.5)	1800 x 3190 x 780	846		
MMY-AP3414FT8	96.0	108.0	(28.0 + 28.0 + 40.0)	1800 x 3190 x 780	846		
MMY-AP3614FT8	101.0	113.0	(33.5 + 33.5 + 33.5)	1800 x 3630 x 780	996		
MMY-AP3814FT8	106.5	119.5	(33.5 + 33.5 + 40.0)	1800 x 3630 x 780	996		
MMY-AP4014FT8	112.0	127.0	(33.5 + 40.0 + 40.0)	1800 x 3630 x 780	996		
MMY-AP4214FT8	118.0	132.0	(40.0 + 40.0 + 40.0)	1800 x 3630 x 780	996		

Note: Selection and design using the SHRM-i range of products should be based on the Toshiba SHRM-i design tool and (Design Manual and Engineering Data Book).

9:0 Controls



9:1 VRF Controls

Model Name	Description		
RBC-AMT32E	Wired Remote Controller		
RBC-AS21E2	Simple Wired Remote Controller		
RBC-AMS41E	Wired Remote Controller with Weekly Timer		
RBC-AMS51E-EN	Backlit Wired Remote Controller with Weekly Timer		
NRB-1HE	On / Off Adaptor for Air to Air heat Exchanger		
NRC-01HE	Wired Remote Controller for HEX and with DX coil		
TCB-IFCG1TLE	General purpose Interface		
TCB-IFMB641TLE	Modbus Interface		
TCB-TC21LE2	Remote sensor		
TCB-AX21E2	Wireless Remote Controller Kit for H-wall, Conceal Duct, Floor		
RBC-AX32U(W)-E	Wireless Remote Controller Kit (4-way Cassette)		
RBC-AX32CE2	Wireless Remote Controller Kit (Under-ceiling)		
TCB-CC163TLE2	On/Off Controller (16 FCUs)		
TCB-SC642TLE2	Central Remote Controller (64 circuit)		
TCB-EXS21TLE	Weekly Timer		
TCB-DP31DE	Drain Pump Kit (MMD-AP0181H to MMD-AP0481H)		
TCB-DP32DE	Drain Pump Kit (MMD-AP0721H to MMD-AP0961H)		
BMS-TP0641ACE	Touch screen for 64 indoor units		
BMS-TP5121ACE	Touch screen for 512 indoor units		
BMS-CM1280TLE	Compliant manager		
Energy Monitoring using Compliant Manager			
BMS-CM1280FTLE	Compliant manager for using PC		
BMS-SM1280HTLE	Smart Manager		
BMS-SM1280ETLE	Smart manager for using PC with data analyzer		
BMS-IFWH4E2	Energy monitoring relay I/F		
Energy Monitoring using Touch Screen			
BMS-TP0641PWE	Touch screen with energy monitoring for 64 indoor units		
BMS-TP5121PWE	Touch screen with energy monitoring for 512 indoor units		
BMS-IFWH5E	Energy monitoring relay I/F		
BMS-IFLSV4E	Relay I/F (Up to 64 FCU)		
BMS-IFDD03E	Digital I/O relay I/F		
TCB-IFCB-4E2	Remote On/Off Control Box		
TCB-PCMO4E	Ext On/Off		
TCB-PCIN4E	Error Output		
TCB-PCDM4E	Power Peak-cut		
TCB-PCNT30TLE2	TCC-Link Adaptor (Digital Inverter)		
Bacnet Items			
BMS-LSV6E	BACnet Server (Up to 8 relays)		
BMS-STBN08E	BACnet Software		
BMS-IFLSV3E	Relay I/F (Up to 64 FCU)		
TCB-IFLN640TLE	Lonworks gateway (Up to 64 FCU)		

Note: Selection and design using the SMMS range of products should be based on the Toshiba SMMS design tool and Test Report (Engineering Data Book).



9:0 Controls

9:2 VRF Piping and Connections

Model Name	Description		
RBM-BY55E	Y-Shape Branching Joint		
RBM-BY105E	Y-Shape Branching Joint		
RBM-BY205E	Y-Shape Branching Joint		
RBM-BY305E	Y-Shape Branching Joint		
RBM-HY1043E	4-Branching Header		
RBM-HY2043E	4-Branching Header		
RBM-HY1083E	8-Branching Header		
RBM-HY2083E	8-Branching Header		
RBM-BT13E	T-Shape Branching Joint		
RBM-BT14FE	T-Shape Branching Joint for below 26HP		
RBM-BT14E	T-Shape Branching Joint for below 26HP		
RBM-BT24E	T-Shape Branching Joint for 26HP or more		
RBM-BT24FE	T-Shape Branching Joint for 26HP or more		
RBM-Y1122FE	Flow Selector Unit		
RBM-Y1123FE	Flow Selector Units - Below 11.2kW - SHRM-i		
RBM-Y1802FE	Flow Selector Unit		
RBM-Y1803FE	Flow Selector Units 11.2kW to below 18.0kW - SHRM-i		
RBM-Y2802FE	Flow Selector Unit		
RBM-Y2803FE	Flow Selector Units - 18.0kW to 28.0kW or less - SHRM-i		
RBM-BY55FE	Y-Shape Branching Joint		
RBM-BY105FE	Y-Shape Branching Joint		
RBM-BY205FE	Y-Shape Branching Joint		
RBM-BY305FE	Y-Shape Branching Joint		
RBM-HY1043FE	4-Branching Header		
RBM-HY2043FE	4-Branching Header		
RBM-HY1083FE	8-Branching Header		
RBM-HY2083FE	8-Branching Header		
RBM-BT13FE	T-Shape Branching Joint		
RBC-CBK15FE	SHRM FS Unit Connection Cable		
RBM-PMV0361E	PMV-Kit for below 3.6kw		
RBM-PMV0901E	PMV-Kit for over 4.5kw		

Note: Selection and design using the SMMS range of products should be based on the Toshiba SMMS design tool and Test Data (see Engineering Data Book).

9:0 Controls



9:3 VRF Multi Purpose Connectors

Model Name	Description		
TCB-KBCN32VEE	Outside Air Fan Output from ventilation button of remote controller		
TCB-KBCN61HAE	External On/Off control for push button / timer function (with local timer)		
TCB-KBCN60OPE	Outside Air fan output (On when indoor fan is On)		
TCB-KBCN73DEE	Indoor Unit forced OFF (e.g Hotel Door Opening)		
BMS-IFDD02E2	Digital Input / Output Relay Interface		

9:4 VRF Accessories

Model Name	Description		
RBC-U21PG(W)-E2	Panel for 4-way Cassette (MMU-APXX1H Series)		
RBC-UM11PG(W)-E	Panel for Compact 4-way Cassette (MMU-APXXX1MH Series)		
RBC-UW283PG(W)-E	Panel for 2-way 2 series Cassette (007, 009, 012, 015)		
RBC-UW803PG(W)-E	Panel for 2-way 2 series Cassette (018, 024, 027, 030)		
RBC-UW1403PG(W)-E	Panel for 2-way 2 series Cassette (036, 048, 056)		
RBC-UW136PG	Panel for 2-way Cassette (007, 009, 012)		
RBC-UW266PG	Panel for 2-way Cassette (015, 018, 024, 027, 030)		
RBC-UY136PG	Panel for 1-way Cassette (007, 009, 012)		
RBC-US21PGE	Panel for 1-way Cassette (0152,0182,0242)		

Note: Selection and design using the SMMS range of products should be based on the Toshiba SMMS design tool and Test & Measurement (Engineering Data Book).



10:0 Carrier Elite Inverter Hi-Wall System



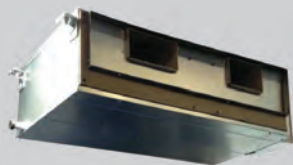
Turn to the Experts.

10:1 Elite Inverter Hi-Wall System

Single 1:1 Hi-Wall System

Product Code				Operating Capacity Range (kW)		EER C.O.P. (Rated)	Outdoor Temperature Range (°C)	HxWxD (mm)	Pipe Size	Pipe Max (m)		Weight (Kg)	Max Operating Current (A)
				Cool	Heat				Liquid Gas	Length Height	Ch/less Length		
42LUVH025N-1	Indoor			2.55	2.80	3.81	C: 18 ~ 50	265 x 790 x 195	6.35	20	5	8	5
38LUVH025N-1	Outdoor			(1.58 - 3.30)	(1.40 - 3.90)	4.00	H: -15 ~ 30	590 x 760 x 285	9.53	8		34	
42LUVH035N-1	Indoor			3.25	3.8	3.65	C: 18 ~ 50	292 x 920 x 225	6.35	20	5	11.5	6.7
38LUVH035N-1	Outdoor			(1.80 - 4.0)	(1.70 - 4.20)	3.96	H: -15 ~ 30	590 x 760 x 285	12.7	8		35	
42LUVH045N-1	Indoor			4.89	5.3	3.30	C: 18 ~ 50	292 x 920 x 225	6.35	20	5	13	10.2
38LUVH045N-1	Outdoor			(2.10 - 5.60)	(2.20 - 5.70)	3.40	H: -15 ~ 30	590 x 760 x 285	12.7	8		40.5	
42LUVH055N-1	Indoor			5.93	6.3	3.22	C: 18 ~ 50	330 x 1080 x 228	9.53	25	5	14.5	10.7
38LUVH055N-1	Outdoor			(2.90 - 6.40)	(3.00 - 6.80)	3.23	H: -15 ~ 30	695 x 845 x 335	16.0	10		47	
42LUVH065N-1	Indoor			6.47	7.3	3.24	C: 18 ~ 50	330 x 1080 x 228	9.53	25	5	15	12
38LUVH065N-1	Outdoor			(3.50 - 7.00)	(3.20 - 7.90)	3.32	H: -15 ~ 30	860 x 895 x 330	16.0	10		63.5	
42LUVH075N-1	Indoor			7.7	8.5	3.25	C: 18 ~ 50	325 x 1250 x 230	9.53	25	5	17.5	13.6
38LUVH075N-1	Outdoor			(4.0 - 8.50)	(4.50 - 9.00)	3.44	H: -15 ~ 30	860 x 895 x 330	16.0	10		72	

11:0 Carrier Inverter Ducted System



11:1 Inverter Ducted System



Turn to the Experts.

Single 1:1 High Static Ducted Type

Product Code				Operating Capacity Range (kW)		EER C.O.P. (Rated)	Outdoor Temperature Range (°C)	HxWxD (mm)	Pipe Size	Pipe Max (m)		Weight (Kg)	Max Operating Current (A)
				Cool	Heat				Liquid Gas	Length Height	Ch/less Length		
42SHV071P1	Indoor			7.1	8.4	3.41	C: 0 ~ 48	270 x 1110 x 450	9.52	50	5	28.5	10.5
38SHV071P1	Outdoor			(3.4 - 8.7)	(4.4 - 10.2)	3.71	H: -15 ~ 24	862 x 895 x 313	15.88	25		62	
42SHV087P1	Indoor			8.7	8.9	3.41	C: 0 ~ 48	380 x 1200 x 550	9.52	50	5	51	12.0
38SHV087P1	Outdoor			(4.3 - 9.9)	(4.6 - 10.5)	3.41	H: -15 ~ 24	862 x 895 x 313	15.88	25		62	
42SHV105P1	Indoor			10.5	11.2	3.21	C: 0 ~ 48	380 x 1200 x 550	9.52	65	5	51	13.8
38SHV105P1	Outdoor			(5.3 - 12.0)	(5.7 - 14.0)	3.71	H: -15 ~ 24	966 x 990 x 354	15.88	30		70	
42SHV135P1	Indoor			13.5	16.0	3.21	C: 0 ~ 48	380 x 1200 x 550	9.52	65	5	54	20.2
38SHV135P1	Outdoor			(6.9 - 15.5)	(8.1 - 19.5)	3.61	H: -15 ~ 24	1369 x 938 x 392	19.05	30		100	
42SHV165P1	Indoor			16.5	17.0	3.21	C: 0 ~ 48	440 x 1400 x 770	9.52	65	5	75	21.9
38SHV165P1	Outdoor			(8.5 - 19.0)	(9.0 - 22.0)	3.54	H: -15 ~ 24	1369 x 938 x 392	19.05	30		122	



AHI-Carrier (Australia) Delivery Policy

AHI CARRIER (Australia) Pty Ltd - Delivery Policy

RLC FINISHED GOODS ONLY

ORDER CUT OFF IS 2pm IN EACH STATE'S LOCAL TIME-ZONE, FOR DELIVERY

Metropolitan Store Deliveries	Next Business Day
Interstate and Regional	Dispatched by 5pm same day from originating warehouse. May take up to 5+ working days depending on delivery point.
Metropolitan Courier, Timed & Site Deliveries	P.O.A - By prior arrangement only
Pick-ups	Requires minimum 2 hours notice and only available between 8.30am and 3.30pm Monday to Friday

DELIVERY FEE:

- Free of charge delivery will be provided for orders with a minimum value of \$5,000.00 ex GST with no split delivery request.
- Subsequent deliveries from the same order if not requesting delivery in full will attract a \$35.00 ex GST delivery fee for each delivery.
- Orders with a value of less than \$5,000.00 ex GST will incur a \$35.00 ex GST delivery fee for each delivery.

GENERAL NOTES:

- ALL commitments [including 'Next Day'] are subject to free stock being available in customer's local state warehouse at time of placing order.
- All orders subject to Trading Account being within credit terms – otherwise delays may occur.
- Delivery times and arrangements apply only to available "FREE" stock in your Local warehouse.
- Subject to Standard Lead times on specific products – refer to Price Lists or your Account Manager for more details.

General Notes Listed above are to be read in conjunction with AHI CARRIER Australia Terms and Condition of Sale.

AHI-Carrier (Australia) Terms and Conditions of Sale



1. Definitions and Interpretation

- 1.1 In these terms and conditions, unless the context otherwise requires:
 - (a) "AHI-Carrier" means AHI-Carrier (Australia) Pty Ltd;
 - (b) "Customer" means the Person named in the Sales Invoice;
 - (c) "order" or "purchase order" means any order for or any statement of intent to purchase any goods or services placed by the Customer with AHI-Carrier; and
 - (d) "Sales Invoice" means the sales invoice issued by AHI-Carrier to the Customer.
- 1.2 These terms and conditions:
 - (a) Replace all prior terms and conditions issued by AHI-Carrier to Customer;
 - (b) Take precedence over any terms set out in the Customer's purchase order, credit application forms, to the extent of any inconsistency;
 - (c) Any special conditions specified on the Sales Invoice shall, to the extent they are inconsistent with these terms and conditions, take precedence over these terms and conditions; and
 - (d) The expression "Person" includes an individual, a body politic, a corporation, an association (incorporated or unincorporated), a statutory authority or any other authority or persons identified as the Customer.

2. Orders and Technical Specifications

- 2.1 Once an order has been accepted by AHI-Carrier, it cannot be cancelled by the Customer. The supply of goods or services is subject to availability. AHI-Carrier reserves the right to suspend or discontinue the supply of goods or services to the Customer at any time for any reason without liability or penalty. If AHI-Carrier is unable to supply all of the Customer's order, these terms and conditions continue to apply to any part of the order supplied.
- 2.2 It is the customer's obligation to provide full and complete technical specifications along with their purchase order for the goods to be placed into production. Should the customer fail to provide sufficient technical specifications within 15 calendar days of the date of the customer's purchase order, AHI-Carrier reserves the right to revise the price. If the customer fails to provide sufficient technical specifications within 60 calendar days of the date of the customer's purchase order, AHI-Carrier reserves the right to cancel the order without liability or penalty.

3. Pricing

- 3.1 Where a written quotation has been given by AHI-Carrier, the selling price is the price specified in the quotation. In any other case, the price for goods supplied will be AHI-Carrier's list price ruling at the date of shipping and the charge for services supplied will be at AHI-Carrier's prevailing rates at the time of supply. Prices are subject to change without notice and are not binding on AHI-Carrier.
- 3.2 In cases where AHI-Carrier intends to progress bill the Customer for the supply of goods or services, AHI-Carrier will do so on a percentage (%) of completion of works basis and specify the billing schedule in its written quotation. A separate Sales Invoice will be raised for each progress payment in accordance with the billing schedule.
- 3.3 All prices are expressed net of any applicable goods and services tax or value added tax, freight charges, and customs duty that shall be added to the amount to be paid by the Customer unless otherwise specified.
- 3.4 AHI-Carrier will not be bound by any condition attaching to the Customer's purchase order or acceptance of a sale unless AHI-Carrier in writing expressly accepts such conditions.
- 3.5 A quotation is not to be constructed as an obligation to sell but merely an invitation to treat and no contractual relationship will arise until AHI-Carrier has accepted in writing the Customer's purchase order.

4. Payment

- 4.1 The Customer must make immediate payment upon receipt of the Sales Invoice. If the Customer has an approved credit account with AHI-Carrier, payment by the Customer for goods and services supplied must be paid for within 30 calendar days from the date of the Sales Invoice unless otherwise agreed in writing. Time is of the essence in respect of the Customer's obligation to make payment for goods or services supplied by AHI-Carrier to the Customer.
- 4.2 If any part of a Sales Invoice is in dispute, the balance will remain payable and must be paid when due. The Customer has no right to set-off any claim against AHI-Carrier from moneys owing to AHI-Carrier.

5. Delivery

- 5.1 If requested by the Customer, and agreed by AHI-Carrier, AHI-Carrier will deliver the goods to an address specified by the Customer. In such cases:
 - (a) the Customer will pay all charges associated with the delivery of the goods;
 - (b) the Customer, or a representative of the Customer must be present at the agreed place and time for delivery and must sign the delivery docket as acknowledgement that the goods and quantities described on the delivery docket have been delivered and comply with the Customer's purchase order;

- (c) if the Customer or a representative of the Customer is not present, AHI-Carrier may unload the goods at the agreed place for delivery if possible (additional charges may apply), in which case, AHI-Carrier is no longer responsible in any way for the goods;
- (d) AHI-Carrier's responsibility for delivery ceases at the delivery dock of the delivery address at which point risk in the goods will pass to the Customer. The Customer is responsible for:
 - (i) providing safe and adequate access to and from the delivery dock;
 - (ii) the loading or unloading of goods, and will pay for all damage and injury to any person and to any public or private property which may result.

- 5.2 If Customer nominates their own vessel or vehicle to deliver the goods to the Customer then risk will pass when the goods are loaded onto the Customer's nominated vessel or vehicle and Customer shall be responsible for arranging the insurance of the goods. Where Customer has nominated its own vessel or vehicle for delivery AHI-Carrier will not be liable to Customer for any loss in the event of any failure in delivery or to arrange insurance.
- 5.3 AHI-Carrier reserves the right to deliver in installments and all such installments, where separately invoiced, must be paid for without regard to the delivery of subsequent installments. A part delivery of an order will not invalidate the balance of the order.
- 5.4 While AHI-Carrier will use all reasonable endeavors to meet agreed delivery dates, AHI-Carrier shall not be liable to Customer for any direct, indirect or consequential loss or damage whatsoever should it be delayed or prevented from delivering goods, supplying services, or otherwise performing any of its contractual obligations due to any cause or circumstances beyond AHI-Carrier's reasonable control. Time is not of the essence in relation to delivery.
- 5.5 Subject to clause 5.4, delivery dates must not be varied once they have been agreed, without AHI-Carrier's prior written approval. Should AHI-Carrier agree to postpone delivery, the goods in question will be stored at the Customer's risk and AHI-Carrier reserves the right to obtain payment from the Customer as though the goods in question had been delivered and to impose a weekly storage charge. Where delivery is postponed for more than 3 months, AHI-Carrier may increase any fixed contract prices to reflect AHI-Carrier's then current list price.
- 5.6 AHI-Carrier may at its discretion sell any goods still in its possession 3 months after the mutually agreed deferred delivery date and seek damages for any loss incurred by AHI-Carrier as a result of the deferment in the delivery date.

6. Retention of Title

- 6.1 Legal and equitable ownership in the goods shall not pass to the Customer until AHI-Carrier receives full payment for the goods from the Customer.
- 6.2 Where the goods are resold by the Customer to a third party, the Customer must keep an amount from the proceeds of sale which is equal to the moneys owed to AHI-Carrier in a separate identifiable account as the beneficial property of AHI-Carrier and must immediately pay such amount to AHI-Carrier when due or upon request by AHI-Carrier.
- 6.3 This clause 6 applies notwithstanding any arrangement under which AHI-Carrier provides credit to the Customer and to the extent that there is any inconsistency between this clause 6 and such credit arrangement, this clause 6 prevails.
- 6.4 The Customer consents to AHI-Carrier creating a purchase money security interest to protect its retention of title to the goods in the Personal Property Security Register or any register which is established pursuant to the Personal Property Securities Act 2009 (Cth) as amended or replaced from time to time. Placement of a purchase order by Customer shall constitute acceptance of this clause 6 for the purposes of the Act.
- 6.5 To the extent permitted under the Personal Property Securities Act 2009 (Cth), the Customer waives each right to receive a notice pursuant to the Act.
- 6.6 To the extent permitted under Section 115 of the Personal Property Securities Act 2009 (Cth), the Customer agrees to contract out of the following provisions of the Act: sections 95, 121(4), 130, 132(4), and 135.

7. Installation

AHI-Carrier's Sale Invoice is made on a supply only basis. Installation and commissioning (if any) is at the expense of the Customer unless otherwise specified in writing by AHI-Carrier.

8. Dimensions, Performance Data and Other Descriptive Details

- 8.1 Photographs, drawings, illustrations, weights, dimensions and any other particulars accompanying, associated with or given in a quotation, the descriptive literature or a catalogue may be subject to alteration without notice.
- 8.2 AHI-Carrier reserves the right to make changes in the construction and/or design of goods and not withstanding any such changes the Customer shall accept in performance of any order of AHI-Carrier's current corresponding standard models.



AHI-Carrier (Australia) Terms and Conditions of Sale

9. Claims and Returns

- 9.1 All complaints, requests for return of goods, claims, or notification of lost, incomplete, damaged, defective or non-compliant goods must be submitted by the Customer to AHI-Carrier in writing within 2 days of the date of delivery of the goods. Otherwise, the Customer shall be deemed to have accepted the goods and shall not refuse to pay for the goods on the basis that they were lost, incomplete, damaged, defective or do not comply with the Customer's purchase order.
- 9.2 While AHI-Carrier will use all reasonable endeavors to deliver goods as specified in the Purchase Order, Customer acknowledges and agrees that it is the Customer's sole responsibility to ensure that goods delivered align with the Purchase Order. AHI-Carrier is not liable to Customer or any end user for any goods purchased and or subsequently installed that are different to that specified in original Purchase Order.
- 9.3 AHI-Carrier will not accept the return of goods unless the following conditions are satisfied:
- AHI-Carrier's written approval has first been obtained, which will include the issue of an authorisation number;
 - the goods are returned within 7 days of the issue of the authorization number under clause 9.2(a);
 - a copy of the relevant invoice is enclosed with the returned goods;
 - the goods are returned in merchantable quality (as determined solely by AHI-Carrier) with the original packaging and without damage or marks to the original packaging;
 - the Customer pays shipping costs for the return of goods to a warehouse or other premises nominated by AHI-Carrier, and
 - the Customer pays to AHI-Carrier a handling charge equal to 15% of the price paid for the goods.

Unauthorised returns will not be accepted. The Customer will be responsible for all damage incurred during return shipment. The Customer shall not deduct the amount or any anticipated credit from any payment due to AHI-Carrier.

10. Warranty

- 10.1 Certain legislation may imply warranties, terms or conditions that cannot be excluded, restricted or modified. If those statutory provisions apply, to the extent to which AHI-Carrier is entitled to do so, its liability is limited at its option to:
- In the case of goods:
 - replacement of the goods or the supply of equivalent goods;
 - payment of the cost of replacing the goods or of acquiring equivalent goods, by credit to the Customer's account, in cash or by cheque at AHI-Carrier's discretion; or
 - repayment of any part of the purchase price of the goods which has been paid by the Customer, by credit to the Customer's account, in cash or by cheque at AHI-Carrier's discretion.
 - In the case of services by supplying the services again.
- 10.2 Subject to clause 10.1, all goods supplied by AHI-Carrier are covered by a written "Express Warranty" supplied with the goods when sold to the Customer. To the extent permitted by law, the Express Warranty is in substitution for all other terms, conditions, warranties and representations, express or implied by statute or otherwise.
- 10.3 The Customer expressly acknowledges and agrees that it has not relied upon and AHI-Carrier is not liable for any advice given by AHI-Carrier, its agents or employees in relation to the suitability for any purpose of goods or materials supplied by AHI-Carrier.

11. Liability

Subject to clause 10, AHI-Carrier is not liable for any injury, damage or loss of any kind whatsoever and howsoever arising out of or in connection with the supply of goods and services including loss of profit, loss of revenue, loss of contract, loss of goodwill or increased cost of workings, nor shall AHI-Carrier be under any liability whether in contract, tort or otherwise for any injury, damage, or loss whether consequential, special, indirect or otherwise arising out of or in connection with the supply of goods or services, even if due to the negligence of AHI-Carrier or any of its employees or agents.

12. Termination, Repossession of Goods & Recovery of Debt

If the Customer does not make any payment by the due date, exceeds its credit limit at any time, commits any other material breach of these terms and conditions or an insolvency event in respect of the Customer arises or is reasonably suspected by AHI-Carrier ("Default Event"), AHI-Carrier may (without limiting any other right or claim it may have against the Customer) do any or all of the following:

- charge the Customer interest calculated on a daily basis on any portion of the Customer's account that is overdue at the reference rate for business loans available to commercial customers from the financial institution that AHI-Carrier banks with plus 5% calculated from the date the payment was due until the date payment is made (both dates inclusive);
- vary or withdraw any approved credit limit and/or terms of trade;
- cancel or suspend any unfilled orders or cease providing the services;
- terminate any contracts between AHI-Carrier and the Customer and demand immediate payment of any monies due and outstanding under those contracts;
- cancel any rebate, discount or allowance due or payable by AHI-Carrier as at the date of the Default Event;
- enter (at any time) any premises in which AHI-Carrier's goods are stored, to enable AHI-Carrier to reclaim possession of the goods without liability for the tort of trespass, negligence or payment of any compensation to the Customer or any Receiver Manager or Administrator appointed over all or any part of its assets. For the avoidance of doubt, title in the goods immediately re-vest in AHI-Carrier upon AHI-Carrier asserting its right of entry under this clause 12(f);
- lodge a non-lapsing caveat or other similar instrument over any land or personal property of the Customer and the Customer hereby charges in favour of AHI-Carrier all beneficial interest (freehold and leasehold) in land and personal property held now or in the future by the Customer with the payment of any monies owed to AHI-Carrier. Furthermore, the Customer hereby irrevocably appoints all and any of AHI-Carrier's company secretary and credit manager or a Solicitor engaged by AHI-Carrier as AHI-Carrier's lawful attorney for the purposes of doing all such acts and things and executing all such documents necessary to enable AHI-Carrier to register a non-lapsing caveat or other similar instrument over any such freehold or leasehold property and for such purposes a declaration of default duly executed for and on behalf of AHI-Carrier by such persons shall be deemed sufficient evidence of such default; or
- institute any recovery process as AHI-Carrier in its discretion decides at the Customer's cost and expense.

13. Alteration to Terms and Conditions

AHI-Carrier may amend or vary these terms and conditions at any time by written notice to the Customer's place of business or by posting an amended copy on AHI-Carrier's website www.ahi-carrier.com.au and that the Customer will be bound by any such amendments.

14. Governing Law

These terms and conditions and any contract including them shall be governed by the laws of the country in which the goods or services are supplied. The parties irrevocably submit to the jurisdiction of the appropriate court convenient to AHI-Carrier in respect of any claims, proceedings and matters arising out of or in respect of these terms and conditions.

15. General

- 15.1 All clerical errors are subject to corrections and shall not bind AHI-Carrier.
- 15.2 The invalidity or unenforceability of any provision of these terms and conditions shall not affect the validity or enforceability of the remaining provisions.
- 15.3 AHI-Carrier's failure to enforce, at any time or any period of time, any term of any contract incorporating these terms and conditions shall not constitute waiver of such term and shall in no way affect its right to enforce it.
- 15.4 Headings are included for ease of reference and do not form parts of or affect the interpretation of these Terms & Conditions of Sale.
- 15.5 These terms and conditions bind AHI-Carrier, Customer and their respective successors and assigns.

VIC/SA: 03 9556 0133
NSW: 02 9202 4400
QLD/NT: 07 3723 5155
WA: 08 9205 3300

AHI Carrier (Australia) Pty Ltd
Level 1, 195 Chesterville Road
Moorabbin VIC 3189
ABN 47136426214
AU22499

toshiba.aircon.com.au



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