

Air Handling Units Interface Panels

Air handling unit interface panels enable the connection of third-party air handling units with a DX coil(s) to Toshiba light commercial Digital Inverter, Super Digital Inverter and VRF outdoor units.



Our versatile range of heat pump inverter-controlled outdoor units can be connected to DX coils installed in other manufacturers' air handlers in single or multiple circuits using any of the Toshiba range of Digital Inverter, Super Digital Inverter or VRF inverter outdoor units available in a capacity range from 2.5 kW to 171 kW (maximum single circuit capacity 25 kW).

Available in 1 phase or 3 phase electrical supply versions the Toshiba range of outdoor units will operate in ambient temperatures of -25°C to 46°C dependent on model size, and offers excellent part-load efficiency performance that delivers energy savings when operating in both heating and cooling seasons.

The Toshiba range of heat pump inverter-controlled outdoor units offers flexible design and easy installation when connected to our standard range of AHU interface control panels and pulse modulated valve (PMV) accessories.

Available for operation in:

- Single-circuit
- Multi-circuit
- VRF





RBC-AHU1 Air Handling Unit Applications Digital Inverter - R32

CODE		25	35	50	71	
Outdoor Unit		RAV-	GM301ATP-E	GM401ATP-E	GM561ATP-E	GM801ATP-E
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
Ambient Operating Range Cooling/Heating		°C	-15 to 46/-15 to 15	-15 to 46/-15 to 15	-15 to 46/-15 to 15	-15 to 46/-15 to 15
Fan(s)	Motor Power	W	43	43	43	43
	Standard Air Flow	l/s	500	611	667	750
	Standard Air Flow	m³/min	30	37	40	45
	Standard Air Flow	m³/h	1800	2200	2400	2700
Sound	Pressure Level C/H	dB(A)	46/47	49/50	46/48	48/52
	Power Level C/H	dB(A)	61/62	64/65	63/65	65/69
Unit	Appearance		Silky Shade (Muncel 1Y 8.5/0.5)	Silky Shade (Muncel 1Y 8.5/0.5)	Silky Shade (Muncel 1Y 8.5/0.5)	Silky Shade (Muncel 1Y 8.5/0.5)
	Heat Exchanger		Finned tube	Finned tube	Finned tube	Finned tube
	Compressor Type		Hermetic Twin Rotary	Hermetic Twin Rotary	Hermetic Twin Rotary	Hermetic Twin Rotary
	Compressor Power	kW	0.75	1.1	1.1	1.6
	Height x Width x Depth	mm	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290	550 x 780 x 290
	Total Weight	kg	29	34	40	44
Refrigerant	Control		Pulse motor valve	Pulse motor valve	Pulse motor valve	Pulse motor valve
	Gas Type		R32	R32	R32	R32
	Base Charge/Chargeless To	kg/m	0.63/15	0.9/15	0.9/20	1.3/20
	Additional Charge Main Liquid Side	g/m	20	20	20	35
	Replacement Technology	Yes	R22, R407C, R410A, R417A, R134a, R12	R22, R407C, R410A, R417A, R134a, R12	R22, R407C, R410A, R417A, R134a, R12	R22, R407C, R410A, R417A, R134a, R12
Pipe Connections	Min.-Max. Length	m	2-20	2-20	5-30	5-30
	Height Difference Outdoor To AHU	m	±10	±10	±30	±30
	Gas Side	inch	3/8	1/2	1/2	5/8
	Liquid Side	inch	1/4	1/4	1/4	3/8
	Drain Port Connector Hose Inner Diameter	mm	16	16	16	16
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Maximum Run Current	A	4.17	5.60	7.31	10.40
	Suggested Fused Supply	A	10	10	16	16
Control Panel		RBC-	AHU1	AHU1	AHU1	AHU1
Unit	Height x Width x Depth	mm	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150
	Weight	kg	10	10	10	10
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Common Alarm Output		12 V DC 20 mA	12 V DC 20 mA	12 V DC 20 mA	12 V DC 20 mA
	Run Indication Output		12 V DC 20 mA	12 V DC 20 mA	12 V DC 20 mA	12 V DC 20 mA
	Remote START/STOP	V	0	0	0	0
	Wired controller ON/OFF Lock	V	0	0	0	0
	Suggested Fused Supply	A	6	6	6	6
AHU DX Coil Design (Third Party Supply)			AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Capacity	Cooling	kW	2.5	3.6	5.6	8.0
	Heating	kW	3.4	4.0	6.3	9.0
Design	Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
	Suction Superheat (Target)	K	5	5	5	5
Heat Exchanger	Air Volume Min. - Max.	m³/h	480 - 720	480 - 880	480 - 1100	700 - 1500
	Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	4	4	4 - 6	6 - 8
	DX Coil Burst Pressure (Greater Than)	mPa	12.45	12.45	12.45	12.45
	Maximum System Operating Pressure	mPa	4.15	4.15	4.15	4.15



RBC-AHU1 Air Handling Unit Applications Digital Inverter - R32 (continued)

CODE		100	100	125	125	
Outdoor Unit		RAV-	GM1101ATP-E	GM1101AT8P-E	GM1401ATP-E	GM1401AT8P-E
Cooling Range (Min. - Max.)		kW	3.0 - 11.2	3.0 - 11.2	3.0 - 13.2	3.0 - 13.2
Heating Range (Min. - Max.)		kW	3.0 - 13.0	3.0 - 13.0	3.0 - 16.0	3.0 - 16.0
Ambient Operating Range Cooling/Heating		°C	-15 to 46/-15 to 15	-15 to 46/-15 to 15	-15 to 46/-15 to 15	-15 to 46/-15 to 15
Fan(s)	Motor Power	W	100	100	100	100
	Standard Air Flow	l/s	1133	1133	1167	1167
	Standard Air Flow	m³/min	68	68	70	70
	Standard Air Flow	m³/h	4080	4080	4200	4200
Sound	Pressure Level C/H	dB(A)	54/57	54/57	55/57	55/57
	Power Level C/H	dB(A)	70/74	70/74	70/74	70/74
Unit	Appearance		Silky Shade (Muncel 1Y 8.5/0.5)	Silky Shade (Muncel 1Y 8.5/0.5)	Silky Shade (Muncel 1Y 8.5/0.5)	Silky Shade (Muncel 1Y 8.5/0.5)
	Heat Exchanger		Finned tube	Finned tube	Finned tube	Finned tube
	Compressor Type		Hermetic Twin Rotary	Hermetic Twin Rotary	Hermetic Twin Rotary	Hermetic Twin Rotary
	Compressor Power	kW	3.0	2.5	3.0	3.0
	Height x Width x Depth	mm	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320	890 x 900 x 320
	Total Weight	kg	68	69	68	69
	Refrigerant	Control		Pulse motor valve	Pulse motor valve	Pulse motor valve
	Gas Type		R32	R32	R32	R32
	Base Charge/Chargeless To	kg/m	2.1/30	2.1/30	2.1/30	2.1/30
	Additional Charge Main Liquid Side	g/m	35	35	35	35
	Replacement Technology	Yes	R22, R407C, R410A, R417A, R134a, R12	R22, R407C, R410A, R417A, R134a, R12	R22, R407C, R410A, R417A, R134a, R12	R22, R407C, R410A, R417A, R134a, R12
Pipe Connections	Min.-Max. Length	m	5-50	5-50	5-50	5-50
	Height Difference Outdoor To AHU	m	±30	±30	±30	±30
	Gas Side	inch	5/8	5/8	5/8	5/8
	Liquid Side	inch	3/8	3/8	3/8	3/8
	Drain Port Connector Hose Inner Diameter	mm	16	16	16	16
Electrical	Power Supply	V/ph/Hz	220-240/1/50	380-415/3/50-20	220-240/1/50	380-415/3/50-20
	Maximum Run Current	A	14.20	4.75	20.75	6.90
	Suggested Fused Supply	A	20	10	32	10
Control Panel		RBC-	AHU1	AHU1	AHU1	AHU1
Unit	Height x Width x Depth	mm	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150
	Weight	kg	10	10	10	10
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Common Alarm Output		12 V DC 20 mA	12 V DC 20 mA	12 V DC 20 mA	12 V DC 20 mA
	Run Indication Output		12 V DC 20 mA	12 V DC 20 mA	12 V DC 20 mA	12 V DC 20 mA
	Remote START/STOP	V	0	0	0	0
	Wired controller ON/OFF Lock	V	0	0	0	0
	Suggested Fused Supply	A	6	6	6	6
	AHU DX Coil Design (Third Party Supply)			AHU DX Coil	AHU DX Coil	AHU DX Coil
Capacity	Cooling	kW	11.2	11.2	13.2	13.2
	Heating	kW	13.0	13.0	16.0	13.0
Design	Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
	Suction Superheat (Target)	K	5	5	5	5
Heat Exchanger	Air Volume Min. - Max.	m³/h	1260 - 2500	1260 - 2500	1260 - 2750	1260 - 2500
	Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	6 - 10	6 - 10	8 - 12	8 - 12
	DX Coil Burst Pressure (Greater Than)	mPa	12.45	12.45	12.45	12.45
	Maximum System Operating Pressure	mPa	4.15	4.15	4.15	4.15



RBC-AHU1 Air Handling Unit Applications Super Digital Inverter - R32

CODE		50	71	100	125	
Outdoor Unit		RAV-	GP561ATP-E	GP801AT-E	GP1101AT-E	GP1401AT-E
Cooling Range (Min. - Max.)		kW	1.2 - 5.6	1.9 - 8.0	3.1 - 12.0	3.1 - 14.0
Heating Range (Min. - Max.)		kW	0.9 - 8.1	1.3 - 11.3	2.6 - 13.0	2.6 - 16.5
Ambient Operating Range Cooling/Heating		°C	-15 to 52/-27 to 15	-15 to 52/-27 to 15	-15 to 52/-27 to 15	-15 to 52/-27 to 15
Fan(s)	Motor Power	W	43	100+100	100+100	100+100
	Standard Air Flow	l/s	625	883	1933	1933
	Standard Air Flow	m³/min	38	53	116	116
	Standard Air Flow	m³/h	2250	3180	6960	6960
Sound	Pressure Level C/H	dB(A)	46/48	46/48	49/50	50/51
	Power Level C/H	dB(A)	63/65	63/65	66/67	67/68
Unit	Appearance		Silky Shade (Muncel 1Y 8.5/0.5)	Silky Shade (Muncel 1Y 8.5/0.5)	Silky Shade (Muncel 1Y 8.5/0.5)	Silky Shade (Muncel 1Y 8.5/0.5)
	Heat Exchanger		Finned tube	Finned tube	Finned tube	Finned tube
	Compressor Type		Hermetic Twin Rotary	Hermetic Twin Rotary	Hermetic Twin Rotary	Hermetic Twin Rotary
	Compressor Power	kW	1.1	2.0	3.75	3.75
	Height x Width x Depth	mm	630 x 799 x 299	1050 x 1010 x 370	1550 x 1010 x 370	1550 x 1010 x 370
	Total Weight	kg	45	74	104	104
Refrigerant	Control		Pulse motor valve	Pulse motor valve	Pulse motor valve	Pulse motor valve
	Gas Type		R32	R32	R32	R32
	Base Charge/Chargeless To	kg/m	1.35/20	1.9/30	3.1/30	3.1/30
	Additional Charge Main Liquid Side	g/m	20	35	35	35
	Replacement Technology	Yes	R22, R407C, R410A, R417A, R134a, R12	R22, R407C, R410A, R417A, R134a, R12	R22, R407C, R410A, R417A, R134a, R12	R22, R407C, R410A, R417A, R134a, R12
Pipe Connections	Min.-Max. Length	m	3-50	3-50	3-75	3-75
	Height Difference Outdoor To AHU	m	±30	±30	±30	±30
	Gas Side	inch	1/2	5/8	5/8	5/8
	Liquid Side	inch	1/4	3/8	3/8	3/8
	Drain Port Connector Hose Inner Diameter	mm	16	16	16	16
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Maximum Run Current	A	6.33	8.56	11.20	15.36
	Suggested Fused Supply	A	16	16	20	25
Control Panel		RBC-	AHU1	AHU1	AHU1	AHU1
Unit	Height x Width x Depth	mm	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150
	Weight	kg	10	10	10	10
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Common Alarm Output		12 V DC 20 mA	12 V DC 20 mA	12 V DC 20 mA	12 V DC 20 mA
	Run Indication Output		12 V DC 20 mA	12 V DC 20 mA	12 V DC 20 mA	12 V DC 20 mA
	Remote START/STOP	V	0	0	0	0
	Wired controller ON/OFF Lock	V	0	0	0	0
	Suggested Fused Supply	A	6	6	6	6
AHU DX Coil Design (Third Party Supply)			AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Capacity	Cooling	kW	4.0	5.6	8.0	12.0
	Heating	kW	5.0	8.1	11.3	13.0
Design	Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7	4 - 7
	Suction Superheat (Target)	K	5	5	5.00	5.00
Heat Exchanger	Air Volume Min. - Max.	m³/h	480 - 880	480 - 1100	700 - 1500	1260 - 2500
	Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	4	4 - 6	6-8	6-10
	DX Coil Burst Pressure (Greater Than)	mPa	12.45	12.45	12.45	12.45
	Maximum System Operating Pressure	mPa	4.15	4.15	4.15	4.15



RBC-AHU1 Air Handling Unit Applications Digital Inverter - R410A

CODE		140	200	250	
Outdoor Unit		RAV-	SM1603AT-E1	SM2246AT8-E	SM2806AT8-E
Cooling Range (Min. - Max.)		kW	3.0 - 16.0	4.6 - 22.4	4.6 - 27.0
Heating Range (Min. - Max.)		kW	3.0 - 18.0	4.6 - 25.0	4.6 - 31.5
Ambient Operating Range Cooling/Heating		°C	43 to -15/15 to -15	52 to -15/15 to -27	52 to -15/15 to -27
Fan(s)	Motor Power	W	100 + 100	200 + 200	200 + 200
	Standard Air Flow	l/s	1717	2550	3033
	Standard Air Flow	m³/min	103	153	182
	Standard Air Flow	m³/h	6180	9180	10920
Sound	Pressure Level C/H	dB(A)	51/53	58/60	61/63
	Power Level C/H	dB(A)	68/70	76/76	78/80
Unit	Appearance		Silky Shade (Muncel 1Y 8.5/0.5)	Silky Shade (Muncel 1Y 8.5/0.5)	Silky Shade (Muncel 1Y 8.5/0.5)
	Heat Exchanger		Finned tube	Finned tube	Finned tube
	Compressor Type		Hermetic Twin Rotary	Hermetic Twin Rotary	Hermetic Twin Rotary
	Compressor Power	kW	3.8	5.6	5.6
	Height x Width x Depth	mm	1340 x 900 x 320	1550 x 1010 x 370	1550 x 1010 x 370
	Total Weight	kg	99	142	142
	Refrigerant	Control		Pulse motor valve	Pulse motor valve
	Gas Type		R410A	R410A	R410A
	Base Charge/Chargeless To	kg/m	3.1/30	5.9/30	5.9/30
	Additional Charge Main Liquid Side	g/m	40	80	80
	Replacement Technology	Yes	R22, R407C, R417A, R134a, R12	R22, R407C, R417A, R134a, R12	R22, R407C, R417A, R134a, R12
Pipe Connections	Min.-Max. Length	m	5-50	5-100	5-100
	Height Difference Outdoor To AHU	m	±30	±30	±30
	Gas Side	inch	5/8	1-1/8*	1-1/8*
	Liquid Side	inch	3/8	1/2	1/2
	Drain Port Connector Hose Inner Diameter	mm	16	16	16
Electrical	Power Supply	V/ph/Hz	220-240/1/50	380-415/3/50	380-415/3/50
	Maximum Run Current	A	21.70	10.78	15.06
	Suggested Fused Supply	A	32	16	20
Control Panel		RBC-	AHU1	AHU1	AHU1
Unit	Height x Width x Depth	mm	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150
	Weight	kg	10	10	10
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
	Common Alarm Output		12 V DC 20 mA	12 V DC 20 mA	12 V DC 20 mA
	Run Indication Output		12 V DC 20 mA	12 V DC 20 mA	12 V DC 20 mA
	Remote START/STOP	V	0	0	0
	Wired controller ON/OFF Lock	V	0	0	0
	Suggested Fused Supply	A	6	6	6
	AHU DX Coil Design (Third Party Supply)			AHU DX Coil	AHU DX Coil
Capacity	Cooling	kW	16.0	22.4	27.0
	Heating	kW	16.0	25.0	31.5
Design	Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7
	Suction Superheat (Target)	K	5	5	5
Heat Exchanger	Air Volume Min. - Max.	m³/h	1260 - 3000	2880 - 4320	3360 - 5040
	Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	8 - 12	10 - 12	10 - 12
	DX Coil Burst Pressure (Greater Than)	mPa	12.45	12.45	12.45
	Maximum System Operating Pressure	mPa	4.15	4.15	4.15

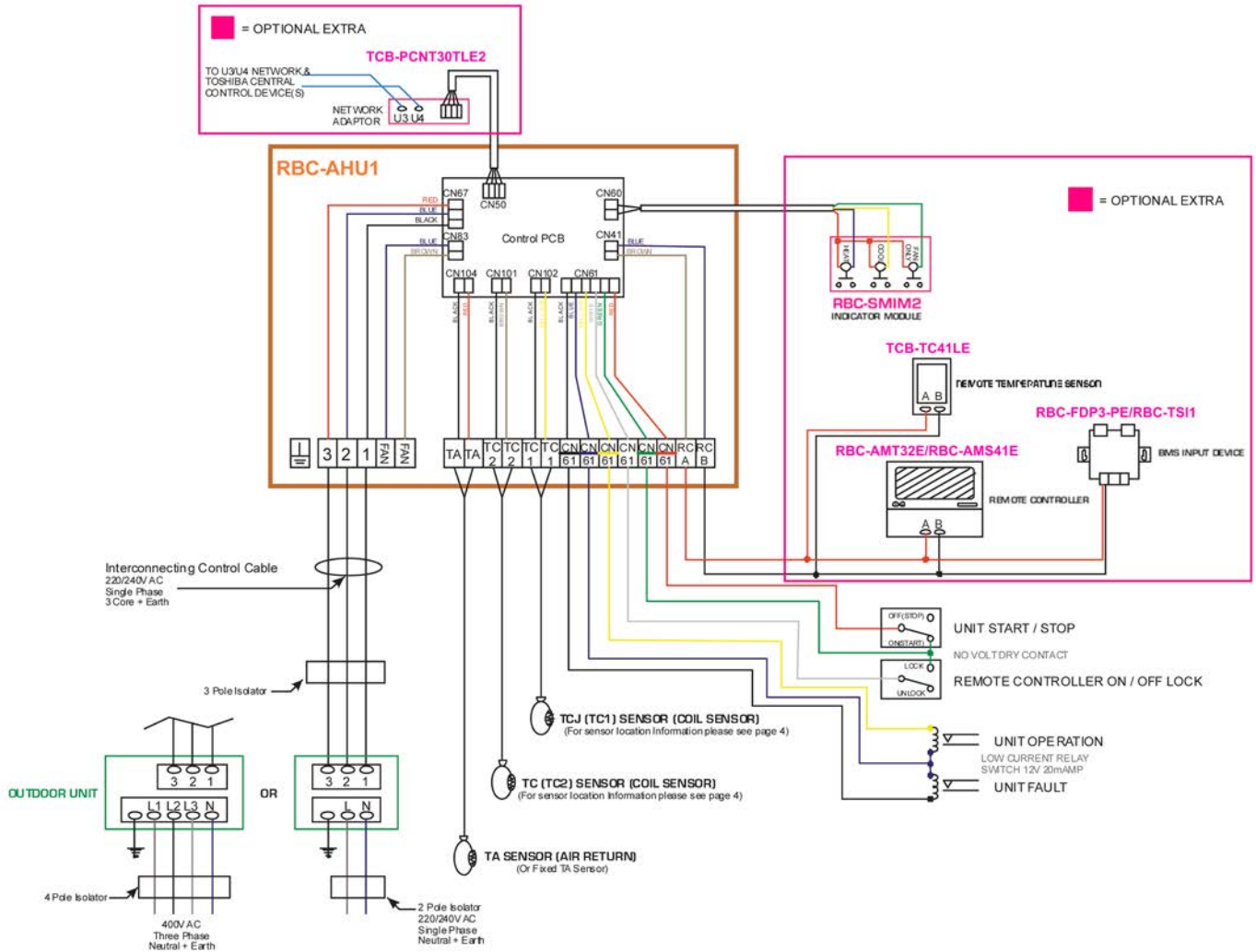
Note: * 28.6 mm to 19.1 mm (1-1/8" - 3/4") reducer is required to connect to condensing unit.



RBC-AHU1 Air Handling Unit Applications Super Digital Inverter - R410A

CODE		100	125	140	
Outdoor Unit		RAV-	SP1104AT8-E1	SP1404AT8-E1	SP1604AT8-E1
Cooling Range (Min. - Max.)		kW	2.6 - 12.0	2.6 - 14.0	2.6 - 16.0
Heating Range (Min. - Max.)		kW	2.4 - 15.6	2.4 - 18.0	2.4 - 19.0
Ambient Operating Range Cooling/Heating		°C	46 to -15/15 to -20	46 to -15/15 to -20	46 to -15/15 to -20
Fan(s)	Motor Power	W	100 + 100	100 + 100	100 + 100
	Standard Air Flow	l/s	1683	1717	1717
	Standard Air Flow	m³/min	101	103	103
	Standard Air Flow	m³/h	6060	6180	6180
Sound	Pressure Level C/H	dB(A)	49/50	51/52	51/52
	Power Level C/H	dB(A)	66/67	68/69	68/69
Unit	Appearance		Silky Shade (Muncel 1Y 8.5/0.5)	Silky Shade (Muncel 1Y 8.5/0.5)	Silky Shade (Muncel 1Y 8.5/0.5)
	Heat Exchanger		Finned tube	Finned tube	Finned tube
	Compressor Type		Hermetic Twin Rotary	Hermetic Twin Rotary	Hermetic Twin Rotary
	Compressor Power	kW	3.75	3.75	3.75
	Height x Width x Depth	mm	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
	Total Weight	kg	95	95	95
	Refrigerant	Control		Pulse motor valve	Pulse motor valve
	Gas Type		R410A	R410A	R410A
	Base Charge/Chargeless To	kg/m	3.1/30	3.1/30	3.1/30
	Additional Charge Main Liquid Side	g/m	40	40	40
	Replacement Technology	Yes	R22, R407C, R417A, R134a, R12	R22, R407C, R417A, R134a, R12	R22, R407C, R417A, R134a, R12
Pipe Connections	Min.-Max. Length	m	3-75	3-75	3-75
	Height Difference Outdoor To AHU	m	±30	±30	±30
	Gas Side	inch	5/8	5/8	5/8
	Liquid Side	inch	3/8	3/8	3/8
	Drain Port Connector Hose Inner Diameter	mm	16	16	16
Electrical	Power Supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50
	Maximum Run Current	A	3.72	5.42	6.66
	Suggested Fused Supply	A	10	16	16
Control Panel		RBC-	AHU1	AHU1	AHU1
Unit	Height x Width x Depth	mm	300 x 300 x 150	300 x 300 x 150	300 x 300 x 150
	Weight	kg	10	10	10
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
	Common Alarm Output		12 V DC 20 mA	12 V DC 20 mA	12 V DC 20 mA
	Run Indication Output		12 V DC 20 mA	12 V DC 20 mA	12 V DC 20 mA
	Remote START/STOP	V	0	0	0
	Wired controller ON/OFF Lock	V	0	0	0
	Suggested Fused Supply	A	6	6	6
AHU DX Coil Design (Third Party Supply)			AHU DX Coil	AHU DX Coil	AHU DX Coil
Capacity	Cooling	kW	12.0	14.0	16.0
	Heating	kW	13.0	16.5	19.0
Design	Evaporating Temperature Range	°C	4 - 7	4 - 7	4 - 7
	Suction Superheat (Target)	K	5.00	5.00	5.00
Heat Exchanger	Air Volume Min. - Max.	m³/h	1260 - 2500	1260 - 2750	1260 - 3000
	Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	6-10	8-12	8-12
	DX Coil Burst Pressure (Greater Than)	mPa	12.45	12.45	12.45
	Maximum System Operating Pressure	mPa	4.15	4.15	4.15

Wiring Diagram for RBC-AHU1





VRF Air Handling Unit Applications Single-Circuit DX Coils

CODE		56	71	80	112	
Model Name Heat Pump		MCY-	-	-	-	MHP0404HS-E
System Capacity		hp	2	2.5	3	4
Control Panel		MM-	DXC010	DXC010	DXC010	DXC010
Type			HEADER	HEADER	HEADER	HEADER
Unit	Height x Width x Depth	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
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Wired Controller		RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E
	Common Alarm Contact Rating		250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A
	Run Indication Contact Rating		250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A
	Safety Interlock Input	V	0	0	0	0
	Fan Interlock Input	V	0	0	0	0
	Remote ON/OFF Lock Input	V	0	0	0	0
Suggested Fused Supply	A	6	6	6	6	
DX Coil Valve Kit Header		MM-	DXV080	DXV080	DXV080	DXV140
AHU DX Coil Design (Third Party Supply)			AHU DX COIL	AHU DX COIL	AHU DX COIL	AHU DX COIL
Capacity	Cooling Capacity	kW	5.6	7.1	8.0	11.2
	Heating Capacity	kW	6.3	8.0	9.0	12.5
Design	Evaporating Temperature Range	°C	6.5	6.5	6.5	6.5
	Suction Superheat (Target)	K	5	5	5	5
	Condensing Temperature	°C	52	52	52	52
Heat Exchanger	Type		Counter flow	Counter flow	Counter flow	Counter flow
	Air Volume Min. - Max.	l/s	200 - 300	300 - 433	300 - 433	350 - 533
	Air Volume Min. - Max.	m³/min	12 - 18	18 - 26	18 - 26	21 - 32
	Air Volume Min. - Max.	m³/hr	720 - 1080	1060 - 1580	1060 - 1580	1280 - 1920
	Coil Volume	cm³	850 - 1150	1063 - 1438	1275 - 1725	1700 - 2300
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	4 - 6	6 - 8	6 - 8	6 - 10
	DX Coil Burst Pressure (Greater Than)	mPa	12.45	12.45	12.45	12.45
Maximum System Operating Pressure	mPa	4.15	4.15	4.15	4.15	

Accessories

RBC-AMS41E	Remote Controller Built-In Timer	Full control including service functions with fully-programmable 7-day timer	
RBC-TSI1	Control Interface	Interface to enable 0-10 V or resistance-based BMS (inc. Modbus functionality)	
TCB-TC41LE	Remote Sensor	Room temperature sensing in conditioned space	



VRF Air Handling Unit Applications Single-Circuit DX Coils (continued)

CODE			140	160	224	280
SMMSe 2-Pipe VRF Outdoor Model			MHP0504HS-E	MHP0604HS-E	MAP0806HT8P-E	MAP1006HT8P-E
System Capacity			5	6	8	10
Control Panel			DXC010	DXC010	DXC010	DXC010
Type			HEADER	HEADER	HEADER	HEADER
Unit	Height x Width x Depth	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
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Wired Controller		RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E
	Common Alarm Contact Rating		250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A
	Run Indication Contact Rating		250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A
	Safety Interlock Input	V	0	0	0	0
	Fan Interlock Input	V	0	0	0	0
	Remote ON/OFF Lock Input	V	0	0	0	0
	Suggested Fused Supply	A	6	6	6	6
DX Coil Valve Kit Header			DXV140	DXV140	DXV280	DXV280
AHU DX Coil Design (Third Party Supply)			AHU DX COIL	AHU DX COIL	AHU DX COIL	AHU DX COIL
Capacity	Cooling Capacity	kW	14.0	16.0	22.4	28.0
	Heating Capacity	kW	16.0	18.0	25.0	31.5
Design	Evaporating Temperature Range	°C	6.5	6.5	6.5	6.5
	Suction Superheat (Target)	K	5	5	5	5
	Condensing Temperature	°C	52	52	52	52
Heat Exchanger	Type		Counter flow	Counter flow	Counter flow	Counter flow
	Air Volume Min. - Max.	l/s	467 - 700	517 - 1033	800 - 1200	933 - 1400
	Air Volume Min. - Max.	m ³ /min	28 - 42	31 - 62	48 - 72	56 - 84
	Air Volume Min. - Max.	m ³ /hr	1680 - 2520	1850 - 3740	2880 - 4320	3360 - 5040
	Coil Volume	cm ³	2125 - 2875	2550 - 3450	3400 - 4600	4250 - 5750
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	8 - 12	8 - 12	10 - 12	10 - 12
	DX Coil Burst Pressure (Greater Than)	mPa	12.45	12.45	12.45	12.45
Maximum System Operating Pressure	mPa	4.15	4.15	4.15	4.15	

Accessories

RBC-AMS41E	Remote Controller Built-In Timer	Full control including service functions with fully-programmable 7-day timer	
RBC-TS1	Control Interface	Interface to enable 0-10 V or resistance-based BMS (inc. Modbus functionality)	
TCB-TC41LE	Remote Sensor	Room temperature sensing in conditioned space	



VRF Air Handling Unit Applications Multi-Circuit DX Coils

CODE			320	384	448	504	560
Combination							
SMMSe 2-Pipe VRF Outdoor Model			MMY-	MMY-	MMY-	MMY-	MMY-
			MAP1206HT8P-E	MAP1406HT8P-E	MAP1606HT8P-E	MAP1806HT8P-E	MAP2006HT8P-E
System Capacity			12	14	16	18	20
Header Control Panel			MM-	MM-	MM-	MM-	MM-
			DXC010	DXC010	DXC010	DXC010	DXC010
Unit	Height x Width x Depth	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
	Weight	kg	8	8	8	8	8
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Wired Controller		RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E
	Common Alarm Contact Rating		250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A
	Run Indication Contact Rating		250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A
	Safety Interlock Input	V	0	0	0	0	0
	Fan Interlock Input	V	0	0	0	0	0
	Remote ON/OFF Lock Input	V	0	0	0	0	0
	Suggested Fused Supply	A	6	6	6	6	6
FOLLOWER PANEL(s)							
	CIRCUIT 2	MM-	DXC012	DXC012	DXC012	DXC012	DXC012
	CIRCUIT 3	MM-	-	-	-	-	-
	CIRCUIT 4	MM-	-	-	-	-	-
	CIRCUIT 5	MM-	-	-	-	-	-
	CIRCUIT 6	MM-	-	-	-	-	-
Unit	Height x Width x Depth	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
	Weight	kg	7.6	7.6	7.6	7.6	7.6
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Suggested Fused Supply	A	6	6	6	6	6
DX COIL VALVE KIT							
	HEADER CIRCUIT 1	MM-	DXV140	DXV280	DXV280	DXV280	DXV280
	FOLLOWER CIRCUIT 2	MM-	DXV140	DXV140	DXV280	DXV280	DXV280
	FOLLOWER CIRCUIT 3	MM-	-	-	-	-	-
	FOLLOWER CIRCUIT 4	MM-	-	-	-	-	-
	FOLLOWER CIRCUIT 5	MM-	-	-	-	-	-
	FOLLOWER CIRCUIT 6	MM-	-	-	-	-	-
AHU DX Coil Design (Third Party Supply)			AHU DX COIL	AHU DX COIL	AHU DX COIL	AHU DX COIL	AHU DX COIL
Capacity	Cooling Capacity	kW	32.0	38.4	44.8	50.4	56.0
	Heating Capacity	kW	36.0	43.0	50.0	56.5	63.0
Design	Evaporating Temperature Range	°C	6.5	6.5	6.5	6.5	6.5
	Suction Superheat (Target)	K	5	5	5	5	5
	Condensing Temperature	°C	52	52	52	52	52
Heat Exchanger	Type		Counter flow	Counter flow	Counter flow	Counter flow	Counter flow
	Coil Circuits		2	2	2	2	2
	Air Volume Min. - Max.	l/s	1028 - 2078	1314 - 2239	1600 - 2400	1733 - 2600	1867 - 2800
	Air Volume Min. - Max.	m³/min	62 - 125	79 - 134	96 - 144	104 - 156	112 - 168
	Air Volume Min. - Max.	m³/hr	3700 - 7480	4730 - 8060	5760 - 8640	6240 - 9360	6720 - 10080
	DX Coil Burst Pressure (Greater Than)	mPa	12.45	12.45	12.45	12.45	12.45
	Maximum System Operating Pressure	mPa	4.15	4.15	4.15	4.15	4.15
Circuit 1	Coil Volume	cm³	2550 - 3450	2975 - 4025	3400 - 4600	3825 - 5175	4250 - 5750
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	8 - 12	10 - 12	10 - 12	10 - 12	10 - 12
Circuit 2	Coil Volume	cm³	2550 - 3450	2975 - 4025	3400 - 4600	3825 - 5175	4250 - 5750
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	8 - 12	10 - 12	10 - 12	10 - 12	10 - 12
Circuit 3	Coil Volume	cm³	-	-	-	-	-
	Coil Diameter	mm - "	-	-	-	-	-
	Paths	No.	-	-	-	-	-
Circuit 4	Coil Volume	cm³	-	-	-	-	-
	Coil Diameter	mm - "	-	-	-	-	-
	Paths	No.	-	-	-	-	-
Circuit 5	Coil Volume	cm³	-	-	-	-	-
	Coil Diameter	mm - "	-	-	-	-	-
	Paths	No.	-	-	-	-	-
Circuit 6	Coil Volume	cm³	-	-	-	-	-
	Coil Diameter	mm - "	-	-	-	-	-
	Paths	No.	-	-	-	-	-

Note: For accessories please refer to Single-Circuit DX Coils.



VRF Air Handling Unit Applications Multi-Circuit DX Coils (continued)

CODE			608	672	728	784	840
Combination							
SMMSe 2-Pipe VRF Outdoor Model			MMY-	AP2416HT8P-E	AP2616HT8P-E	AP2816HT8P-E	AP3016HT8P-E
			MMY-	MAP1206HT8P-E MAP1206HT8P-E	MAP1406HT8P-E MAP1206HT8P-E	MAP1606HT8P-E MAP1206HT8P-E	MAP1606HT8P-E MAP1406HT8P-E
System Capacity			hp	12	24	26	28
Header Control Panel			MM-	DXC010	DXC010	DXC010	DXC010
Unit	Height x Width x Depth	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
	Weight	kg	8	8	8	8	8
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Wired Controller		RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E
	Common Alarm Contact Rating		250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A
	Run Indication Contact Rating		250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A
	Safety Interlock Input	V	0	0	0	0	0
	Fan Interlock Input	V	0	0	0	0	0
	Remote ON/OFF Lock Input	V	0	0	0	0	0
	Suggested Fused Supply	A	6	6	6	6	6
FOLLOWER PANEL(s)			MM-	DXC012	DXC012	DXC012	DXC012
CIRCUIT 3			MM-	DXC012	DXC012	DXC012	DXC012
CIRCUIT 4			MM-	-	-	-	-
CIRCUIT 5			MM-	-	-	-	-
CIRCUIT 6			MM-	-	-	-	-
Unit	Height x Width x Depth	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
	Weight	kg	7.6	7.6	7.6	7.6	7.6
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Suggested Fused Supply	A	6 (x 2)	6 (x 2)	6 (x 2)	6 (x 2)	6 (x 2)
DX COIL VALVE KIT	HEADER CIRCUIT 1	MM-	DXV280	DXV280	DXV280	DXV280	DXV280
	FOLLOWER CIRCUIT 2	MM-	DXV280	DXV280	DXV280	DXV280	DXV280
	FOLLOWER CIRCUIT 3	MM-	DXV140	DXV280	DXV280	DXV280	DXV280
	FOLLOWER CIRCUIT 4	MM-	-	-	-	-	-
	FOLLOWER CIRCUIT 5	MM-	-	-	-	-	-
	FOLLOWER CIRCUIT 6	MM-	-	-	-	-	-
AHU DX Coil Design (Third Party Supply)							
AHU DX COIL							
Capacity	Cooling Capacity	kW	60.8	67.2	72.8	78.4	84.0
	Heating Capacity	kW	68.0	75.0	81.5	88.0	94.5
Design	Evaporating Temperature Range	°C	6.5	6.5	6.5	6.5	6.5
	Suction Superheat (Target)	K	5	5	5	5	5
	Condensing Temperature	°C	52	52	52	52	52
Heat Exchanger	Type		Counter flow	Counter flow	Counter flow	Counter flow	Counter flow
	Coil Circuits		3	3	3	3	3
	Air Volume Min. - Max.	l/s	2114 - 3439	2400 - 3600	2533 - 3800	2667 - 4000	2800 - 4200
	Air Volume Min. - Max.	m³/min	127 - 206	144 - 216	152 - 228	160 - 240	168 - 252
	Air Volume Min. - Max.	m³/hr	7610 - 12380	8640 - 12960	9120 - 13680	9600 - 14400	10080 - 15120
	DX Coil Burst Pressure (Greater Than)	mPa	12.45	12.45	12.45	12.45	12.45
Maximum System Operating Pressure			mPa	4.15	4.15	4.15	4.15
Circuit 1	Coil Volume	cm³	3117 - 4217	3400 - 4600	3683 - 4983	3967 - 5367	4250 - 5750
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12
Circuit 2	Coil Volume	cm³	3117 - 4217	3400 - 4600	3683 - 4983	3967 - 5367	4250 - 5750
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12
Circuit 3	Coil Volume	cm³	3117 - 4217	3400 - 4600	3683 - 4983	3967 - 5367	4250 - 5750
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	8 - 12	10 - 12	10 - 12	10 - 12	10 - 12
Circuit 4	Coil Volume	cm³	-	-	-	-	-
	Coil Diameter	mm - "	-	-	-	-	-
	Paths	No.	-	-	-	-	-
Circuit 5	Coil Volume	cm³	-	-	-	-	-
	Coil Diameter	mm - "	-	-	-	-	-
	Paths	No.	-	-	-	-	-
Circuit 6	Coil Volume	cm³	-	-	-	-	-
	Coil Diameter	mm - "	-	-	-	-	-
	Paths	No.	-	-	-	-	-

Note: For accessories please refer to Single-Circuit DX Coils.



VRF Air Handling Unit Applications Multi-Circuit DX Coils (continued)

CODE		896	952	1008	1064	1120	
Combination		MMY-	AP3216HT8P-E	AP3416HT8P-E	AP3616HT8P-E	AP3816HT8P-E	AP4016HT8P-E
SMMSe 2-Pipe VRF Outdoor Model		MMY-	MAP1606HT8P-E MAP1606HT8P-E	MAP1806HT8P-E MAP1606HT8P-E	MAP2006HT8P-E MAP1606HT8P-E	MAP2206HT8P-E MAP1606HT8P-E	MAP2006HT8P-E MAP2006HT8P-E
System Capacity		hp	32	34	36	38	40
Header Control Panel		MM-	DXC010	DXC010	DXC010	DXC010	DXC010
Unit	Height x Width x Depth	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
	Weight	kg	8	8	8	8	8
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Wired Controller		RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E
	Common Alarm Contact Rating		250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A
	Run Indication Contact Rating		250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A
	Safety Interlock Input	V	0	0	0	0	0
	Fan Interlock Input	V	0	0	0	0	0
	Remote ON/OFF Lock Input	V	0	0	0	0	0
	Suggested Fused Supply	A	6	6	6	6	6
	FOLLOWER PANEL(s)		MM-	DXC012	DXC012	DXC012	DXC012
Unit	CIRCUIT 2	MM-	DXC012	DXC012	DXC012	DXC012	DXC012
	CIRCUIT 3	MM-	DXC012	DXC012	DXC012	DXC012	DXC012
	CIRCUIT 4	MM-	DXC012	DXC012	DXC012	DXC012	DXC012
	CIRCUIT 5	MM-	-	-	-	-	-
	CIRCUIT 6	MM-	-	-	-	-	-
	Height x Width x Depth	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Electrical	Weight	kg	7.6	7.6	7.6	7.6	7.6
	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Suggested Fused Supply	A	6 (x 3)	6 (x 3)	6 (x 3)	6 (x 3)	6 (x 3)
DX COIL VALVE KIT	HEADER CIRCUIT 1	MM-	DXV280	DXV280	DXV280	DXV280	DXV280
	FOLLOWER CIRCUIT 2	MM-	DXV280	DXV280	DXV280	DXV280	DXV280
	FOLLOWER CIRCUIT 3	MM-	DXV280	DXV280	DXV280	DXV280	DXV280
	FOLLOWER CIRCUIT 4	MM-	DXV280	DXV280	DXV280	DXV280	DXV280
	FOLLOWER CIRCUIT 5	MM-	-	-	-	-	-
	FOLLOWER CIRCUIT 6	MM-	-	-	-	-	-
AHU DX Coil Design (Third Party Supply)			AHU DX COIL	AHU DX COIL	AHU DX COIL	AHU DX COIL	AHU DX COIL
Capacity	Cooling Capacity	kW	89.6	95.2	100.8	106.4	112.0
	Heating Capacity	kW	100.0	106.5	113.0	119.5	126.0
Design	Evaporating Temperature Range	°C	6.5	6.5	6.5	6.5	6.5
	Suction Superheat (Target)	K	5	5	5	5	5
	Condensing Temperature	°C	52	52	52	52	52
Heat Exchanger	Type		Counter flow	Counter flow	Counter flow	Counter flow	Counter flow
	Coil Circuits		4	4	4	4	4
	Air Volume Min. - Max.	l/s	3200 - 4800	3333 - 5000	3467 - 5200	3600 - 5400	3733 - 5600
	Air Volume Min. - Max.	m³/min	192 - 288	200 - 300	208 - 312	216 - 324	224 - 336
	Air Volume Min. - Max.	m³/hr	11520 - 17280	12000 - 18000	12480 - 18720	12960 - 19440	13440 - 20160
	DX Coil Burst Pressure (Greater Than)	mPa	12.45	12.45	12.45	12.45	12.45
	Maximum System Operating Pressure	mPa	4.15	4.15	4.15	4.15	4.15
Circuit 1	Coil Volume	cm³	3400 - 4600	3613 - 4888	3825 - 5175	4038 - 5463	4250 - 5750
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12
Circuit 2	Coil Volume	cm³	3400 - 4600	3613 - 4888	3825 - 5175	4038 - 5463	4250 - 5750
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12
Circuit 3	Coil Volume	cm³	3400 - 4600	3613 - 4888	3825 - 5175	4038 - 5463	4250 - 5750
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12
Circuit 4	Coil Volume	cm³	3400 - 4600	3613 - 4888	3825 - 5175	4038 - 5463	4250 - 5750
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12
Circuit 5	Coil Volume	cm³	-	-	-	-	-
	Coil Diameter	mm - "	-	-	-	-	-
	Paths	No.	-	-	-	-	-
Circuit 6	Coil Volume	cm³	-	-	-	-	-
	Coil Diameter	mm - "	-	-	-	-	-
	Paths	No.	-	-	-	-	-

Note: For accessories please refer to Single-Circuit DX Coils.



VRF Air Handling Unit Applications Multi-Circuit DX Coils (continued)

CODE			1176	1232	1288	1344	1404	
Combination			MMY-	AP4216HT8P-E	AP4416HT8P-E	AP4616HT8P-E	AP4816HT8P-E	AP5016HT8P-E
SMMSe 2-Pipe VRF Outdoor Model			MMY-	MAP2206HT8P-E MAP2006HT8P-E	MAP2206HT8P-E MAP2206HT8P-E	MAP1606HT8P-E MAP1606HT8P-E MAP1406HT8P-E	MAP1606HT8P-E MAP1606HT8P-E MAP1606HT8P-E	MAP1806HT8P-E MAP1606HT8P-E MAP1606HT8P-E
System Capacity			hp	42	44	46	48	50
Header Control Panel			MM-	DXC010	DXC010	DXC010	DXC010	DXC010
Unit	Height x Width x Depth	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
	Weight	kg	8	8	8	8	8	8
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Wired Controller		RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E
	Common Alarm Contact Rating		250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A
	Run Indication Contact Rating		250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A
	Safety Interlock Input	V	0	0	0	0	0	0
	Fan Interlock Input	V	0	0	0	0	0	0
	Remote ON/OFF Lock Input	V	0	0	0	0	0	0
	Suggested Fused Supply	A	6	6	6	6	6	6
FOLLOWER PANEL(S)	CIRCUIT 2	MM-	DXC012	DXC012	DXC012	DXC012	DXC012	DXC012
	CIRCUIT 3	MM-	DXC012	DXC012	DXC012	DXC012	DXC012	DXC012
	CIRCUIT 4	MM-	DXC012	DXC012	DXC012	DXC012	DXC012	DXC012
	CIRCUIT 5	MM-	DXC012	DXC012	DXC012	DXC012	DXC012	DXC012
	CIRCUIT 6	MM-	-	-	-	-	-	-
	Unit	Height x Width x Depth	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
	Weight	kg	7.6	7.6	7.6	7.6	7.6	
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	
	Suggested Fused Supply	A	6 (x 4)	6 (x 4)	6 (x 4)	6 (x 4)	6 (x 4)	
DX COIL VALVE KIT	HEADER CIRCUIT 1	MM-	DXV280	DXV280	DXV280	DXV280	DXV280	
	FOLLOWER CIRCUIT 2	MM-	DXV280	DXV280	DXV280	DXV280	DXV280	
	FOLLOWER CIRCUIT 3	MM-	DXV280	DXV280	DXV280	DXV280	DXV280	
	FOLLOWER CIRCUIT 4	MM-	DXV280	DXV280	DXV280	DXV280	DXV280	
	FOLLOWER CIRCUIT 5	MM-	DXV280	DXV280	DXV280	DXV280	DXV280	
	FOLLOWER CIRCUIT 6	MM-	-	-	-	-	-	
AHU DX Coil Design (Third Party Supply)			AHU DX COIL	AHU DX COIL	AHU DX COIL	AHU DX COIL	AHU DX COIL	
Capacity	Cooling Capacity	kW	117.6	123.2	128.8	134.4	140.4	
	Heating Capacity	kW	131.5	138.0	144.5	151.0	156.0	
Design	Evaporating Temperature Range	°C	6.5	6.5	6.5	6.5	6.5	
	Suction Superheat (Target)	K	5	5	5	5	5	
	Condensing Temperature	°C	52	52	52	52	52	
Heat Exchanger	Type		Counter flow	Counter flow	Counter flow	Counter flow	Counter flow	
	Coil Circuits		5	5	5	5	5	
	Air Volume Min. - Max.	l/s	4133 - 6200	4267 - 6400	4400 - 6600	4533 - 6800	4667 - 7000	
	Air Volume Min. - Max.	m³/min	248 - 372	256 - 384	264 - 396	272 - 408	280 - 420	
	Air Volume Min. - Max.	m³/hr	14880 - 22320	15360 - 23040	15840 - 23760	16320 - 24480	16800 - 25200	
	DX Coil Burst Pressure (Greater Than)	mPa	12.45	12.45	12.45	12.45	12.45	
	Maximum System Operating Pressure	mPa	4.15	4.15	4.15	4.15	4.15	
Circuit 1	Coil Volume	cm³	3570 - 4830	3740 - 5060	3910 - 5290	4080 - 5520	4250 - 5750	
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	
	Paths	No.	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12	
Circuit 2	Coil Volume	cm³	3570 - 4830	3740 - 5060	3910 - 5290	4080 - 5520	4250 - 5750	
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	
	Paths	No.	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12	
Circuit 3	Coil Volume	cm³	3570 - 4830	3740 - 5060	3910 - 5290	4080 - 5520	4250 - 5750	
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	
	Paths	No.	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12	
Circuit 4	Coil Volume	cm³	3570 - 4830	3740 - 5060	3910 - 5290	4080 - 5520	4250 - 5750	
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	
	Paths	No.	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12	
Circuit 5	Coil Volume	cm³	3570 - 4830	3740 - 5060	3910 - 5290	4080 - 5520	4250 - 5750	
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	
	Paths	No.	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12	
Circuit 6	Coil Volume	cm³	-	-	-	-	-	
	Coil Diameter	mm - "	-	-	-	-	-	
	Paths	No.	-	-	-	-	-	

Note: For accessories please refer to Single-Circuit DX Coils.



VRF Air Handling Unit Applications Multi-Circuit DX Coils (continued)

CODE		1460	1515	1570	1625	1680	
Combination		MMY-	AP5216HT8P-E	AP5416HT8P-E	AP5616HT8P-E	AP5816HT8P-E	AP6016HT8P-E
SMMSe 2-Pipe VRF Outdoor Model		MMY-	MAP2006HT8P-E MAP1606HT8P-E MAP1606HT8P-E	MAP2206HT8P-E MAP1606HT8P-E MAP1606HT8P-E	MAP2006HT8P-E MAP2006HT8P-E MAP1606HT8P-E	MAP2206HT8P-E MAP2006HT8P-E MAP1606HT8P-E	MAP2206HT8P-E MAP2206HT8P-E MAP1606HT8P-E
System Capacity		hp	52	54	56	58	60
Header Control Panel		MM-	DXC010	DXC010	DXC010	DXC010	DXC010
Unit	Height x Width x Depth	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
	Weight	kg	8	8	8	8	8
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Wired Controller		RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E	RBC-AMT32E
	Common Alarm Contact Rating		250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A
	Run Indication Contact Rating		250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A	250 V AC 8 A
	Safety Interlock Input	V	0	0	0	0	0
	Fan Interlock Input	V	0	0	0	0	0
	Remote ON/OFF Lock Input	V	0	0	0	0	0
	Suggested Fused Supply	A	6	6	6	6	6
	FOLLOWER PANEL(s)		MM-	DXC012	DXC012	DXC012	DXC012
Unit	CIRCUIT 2	MM-	DXC012	DXC012	DXC012	DXC012	DXC012
	CIRCUIT 3	MM-	DXC012	DXC012	DXC012	DXC012	DXC012
	CIRCUIT 4	MM-	DXC012	DXC012	DXC012	DXC012	DXC012
	CIRCUIT 5	MM-	DXC012	DXC012	DXC012	DXC012	DXC012
	CIRCUIT 6	MM-	DXC012	DXC012	DXC012	DXC012	DXC012
	Height x Width x Depth	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
Weight	kg	7.6	7.6	7.6	7.6	7.6	
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Suggested Fused Supply	A	6 (x 5)	6 (x 5)	6 (x 5)	6 (x 5)	6 (x 5)
DX COIL VALVE KIT	HEADER CIRCUIT 1	MM-	DXV280	DXV280	DXV280	DXV280	DXV280
	FOLLOWER CIRCUIT 2	MM-	DXV280	DXV280	DXV280	DXV280	DXV280
	FOLLOWER CIRCUIT 3	MM-	DXV280	DXV280	DXV280	DXV280	DXV280
	FOLLOWER CIRCUIT 4	MM-	DXV280	DXV280	DXV280	DXV280	DXV280
	FOLLOWER CIRCUIT 5	MM-	DXV280	DXV280	DXV280	DXV280	DXV280
	FOLLOWER CIRCUIT 6	MM-	DXV280	DXV280	DXV280	DXV280	DXV280
AHU DX Coil Design (Third Party Supply)			AHU DX COIL	AHU DX COIL	AHU DX COIL	AHU DX COIL	AHU DX COIL
Capacity	Cooling Capacity	kW	146.0	151.5	157.0	162.5	168.0
	Heating Capacity	kW	163.0	164.0	176.0	177.0	178.0
Design	Evaporating Temperature Range	°C	6.5	6.5	6.5	6.5	6.5
	Suction Superheat (Target)	K	5	5	5	5	5
	Condensing Temperature	°C	52	52	52	52	52
Heat Exchanger	Type		Counter flow	Counter flow	Counter flow	Counter flow	Counter flow
	Coil Circuits		6	6	6	6	6
	Air Volume Min. - Max.	l/s	5067 - 7600	5200 - 7800	4800 - 8033	5467 - 8200	5600 - 8400
	Air Volume Min. - Max.	m³/min	304 - 456	312 - 468	288 - 482	328 - 492	336 - 504
	Air Volume Min. - Max.	m³/hr	18240 - 27360	18720 - 28080	17280 - 28920	19680 - 29520	20160 - 30240
	DX Coil Burst Pressure (Greater Than)	mPa	12.45	12.45	12.45	12.45	12.45
Maximum System Operating Pressure	mPa	4.15	4.15	4.15	4.15	4.15	
Circuit 1	Coil Volume	cm³	3683 - 4983	3825 - 5175	3967 - 5367	4108 - 5558	4250 - 5750
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12
Circuit 2	Coil Volume	cm³	3683 - 4983	3825 - 5175	3967 - 5367	4108 - 5558	4250 - 5750
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12
Circuit 3	Coil Volume	cm³	3683 - 4983	3825 - 5175	3967 - 5367	4108 - 5558	4250 - 5750
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12
Circuit 4	Coil Volume	cm³	3683 - 4983	3825 - 5175	3967 - 5367	4108 - 5558	4250 - 5750
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12
Circuit 5	Coil Volume	cm³	3683 - 4983	3825 - 5175	3967 - 5367	4108 - 5558	4250 - 5750
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12
Circuit 6	Coil Volume	cm³	3683 - 4983	3825 - 5175	3967 - 5367	4108 - 5558	4250 - 5750
	Coil Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	10 - 12	10 - 12	10 - 12	10 - 12	10 - 12

Note: For accessories please refer to Single-Circuit DX Coils.



Air Handling Unit 0-10 V BMS Control - Digital Inverter and Super Digital Inverter

Outdoor Unit		hp	1.0	1.5	2.0	3.0	4.0
	Digital Inverter R32	RAV-	GM301ATP-E	GM401ATP-E	GM561ATP-E	GM801ATP-E	GM1101ATP-E*
	Super Digital Inverter R32	RAV-	-	-	GP561ATP-E	GP801AT-E	GP1101AT-E
	Digital Inverter R410A	RAV-	-	-	-	-	-
	Super Digital Inverter R410A	RAV-	-	-	-	-	SP1104AT8-E1
Cooling Min.-Max.	Digital Inverter R32	kW	0.9 - 3.0	0.9 - 4.0	1.5 - 5.6	1.5 - 7.4	3.0 - 11.2
	Super Digital Inverter R32	kW			1.2 - 5.6	1.9 - 8.0	3.1 - 12.0
	Digital Inverter R410A	kW	0.9 - 3.0	0.9 - 4.0	1.5 - 5.6	1.5 - 8.0	3.0 - 11.2
	Super Digital Inverter R410A	kW		1.5 - 4.0	1.2 - 5.6	1.9 - 8.0	2.6 - 12.0
Heating Min.-Max.	Digital Inverter R32	kW	0.8 - 4.5	0.8 - 5.0	1.5 - 6.3	1.5 - 9.0	3.0 - 13.0
	Super Digital Inverter R32	kW			0.9 - 8.1	1.3 - 11.3	2.6 - 13.0
	Digital Inverter R410A	kW	0.8 - 4.5	0.8 - 5.0	1.5 - 6.3	1.5 - 9.0	3.0 - 13.0
	Super Digital Inverter R410A	kW		1.5 - 5.0	0.9 - 7.4	1.3 - 10.6	2.4 - 13.0
Pipe Connections	Gas Pipe	mm - "	9.5 - 3/8	12.7 - 1/2	12.7 - 1/2	9.5 - 3/8	15.9 - 5/8
	Liquid Pipe	mm - "	6.4 - 1/4	6.4 - 1/4	6.4 - 1/4	6.4 - 1/4	9.5 - 3/8
Control Panel		RBC-	DXC031	DXC031	DXC031	DXC031	DXC031
Unit	Height x Width x Depth	mm	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150	400 x 300 x 150
	Weight	kg	8	8	8	8	8
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Capacity Demand Input		AI 0-10 V	AI 0-10 V	AI 0-10 V	AI 0-10 V	AI 0-10 V
	Digital Output		250 VAC 6 A	250 VAC 6 A	250 VAC 6 A	250 VAC 6 A	250 VAC 6 A
	Suggested Fused Supply	A	6	6	6	6	6
AHU DX Coil Design (Third Party Supply)			AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Capacity	Cooling	kW	2.5	3.6	5.6	8.0	11.2
	Heating	kW	3.4	4.0	6.3	9.0	13.0
Cooling	Air on Coil Temperature	°C DB/WB	27/19	27/19	27/19	27/19	27/19
	Evaporating Temperature Range	°C	4-7	4-7	4-7	4-7	4-7
	Suction Superheat (Target)	K	5	5	5	5	5
Heating	Air on Coil Temperature	°C DB	20	20	20	20	20
	Condensing Temperature	°C	44	44	44	44	44
	Sub Cooling	K	5	5	5	5	5
Heat Exchanger	Air Volume Min. - Max.	m ³ /h	480 - 720	480 - 880	480 - 1100	700 - 1500	1260 - 2500
	Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	4	4	4 - 6	6 - 8	6 - 10
	Recommended Liquid Capillary Distributor Orifice size	ID mm	2.3 - 2.5	2.8 - 3.0	3.2 - 3.5	3.5 - 4.0	4.5 - 5.0
	DX Coil Burst Pressure (Greater Than)	mPa	12.45	12.45	12.45	12.45	12.45
	Maximum System Operating Pressure	mPa	4.15	4.15	4.15	4.15	4.15

* 380-415 V/3 ph/50 Hz version available



Air Handling Unit 0-10 V BMS Control - Digital Inverter and Super Digital Inverter (continued)

Outdoor Unit		hp	5.0	6.0	8.0	10.0
	Digital Inverter R32	RAV-	GM1401ATP-E*	-	-	-
	Super Digital Inverter R32	RAV-	GP1401AT-E	-	-	-
	Digital Inverter R410A	RAV-	-	SM1603AT-E1	SM2246AT8-E	SM2806AT8-E
	Super Digital Inverter R410A	RAV-	SP1404AT8-E1	SP1604AT8-E1	-	-
Cooling Min.-Max.	Digital Inverter R32	kW	3.0 - 13.2			
	Super Digital Inverter R32	kW	3.1 - 14.0			
	Digital Inverter R410A	kW	3.0 - 13.2	2.6 - 16.0	9.8 - 22.4	9.8 - 27.0
	Super Digital Inverter R410A	kW	2.6 - 14.0	2.6 - 16.0		
Heating Min.-Max.	Digital Inverter R32	kW	3.0 - 16.0			
	Super Digital Inverter R32	kW	2.6 - 16.5			
	Digital Inverter R410A	kW	3.0 - 16.0	3.0 - 18.0	9.8 - 25.0	9.8 - 31.5
	Super Digital Inverter R410A	kW	2.4 - 16.5	2.4 - 19.0		
Pipe Connections	Gas Pipe	mm - "	15.9 - 5/8	15.9 - 5/8	28.6 - 1-1/8	28.6 - 1-1/8
	Liquid Pipe	mm - "	9.5 - 3/8	9.5 - 3/8	12.7 - 1/2	12.7 - 1/2
Control Panel		RBC-	DXC031	DXC031	DXC031	DXC031
Unit	Height x Width x Depth	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
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Capacity Demand Input		AI 0-10 V	AI 0-10 V	AI 0-10 V	AI 0-10 V
	Digital Output		250 VAC 6 A	250 VAC 6 A	250 VAC 6 A	250 VAC 6 A
	Suggested Fused Supply	A	6	6	6	6
AHU DX Coil Design (Third Party Supply)			AHU DX Coil	AHU DX Coil	AHU DX Coil	AHU DX Coil
Capacity	Cooling	kW	13.2	16.0	22.4	27.0
	Heating	kW	16.0	16.0	25.0	31.5
Cooling	Air on Coil Temperature	°C DB/WB	27/19	27/19	27/19	27/19
	Evaporating Temperature Range	°C	4-7	4-7	4-7	4-7
	Suction Superheat (Target)	K	5	5	5	5
Heating	Air on Coil Temperature	°C DB	20	20	20	20
	Condensing Temperature	°C	44	44	44	44
	Sub Cooling	K	5	5	5	5
Heat Exchanger	Air Volume Min. - Max.	m ³ /h	1260 - 2750	1260 - 3000	2880 - 4320	3360 - 5040
	Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8	9.52 - 3/8
	Paths	No.	8 - 12	8 - 12	10 - 12	10 - 12
	Recommended Liquid Capillary Distributor Orifice size	ID mm	5.0 - 5.5	5.5 - 6.0	6.5 - 7.0	7.0 - 8.0
	DX Coil Burst Pressure (Greater Than)	mPa	12.45	12.45	12.45	12.45
	Maximum System Operating Pressure	mPa	4.15	4.15	4.15	4.15

* 380-415 V/3 ph/50 Hz version available



Air Handling Unit 0-10 V BMS Control - SMMSe

Outdoor Unit		hp	8.0	10.0
	SMMSe	MMY-	MAP0806HT8P-E	MAP1006HT8P-E
Cooling	Min.-Max.	kW	11.2-22.4	14.0-28.0
Heating	Min.-Max.	kW	10.0-25.0	12.6-31.5
Pipe Connections	Gas Pipe	mm - "	19.1 - 3/4	22.2 - 7/8
	Liquid Pipe	mm - "	12.7 - 1/2	12.7 - 1/2
Control Panel		RBC-	DXC031	DXC031
Unit	Height x Width x Depth	mm	400 x 300 x 150	400 x 300 x 150
	Weight	kg	8	8
Electrical	Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50
	Capacity Demand Input		AI 0-10 V	AI 0-10 V
	Digital Output		250 VAC 6 A	250 VAC 6 A
	Suggested Fused Supply	A	6	6
AHU DX Coil Design (Third Party Supply)		AHU DX Coil		AHU DX Coil
Capacity	Cooling	kW	22.4	28.0
	Heating	kW	25.0	31.5
Cooling	Air on Coil Temperature	°C DB/WB	27/19	27/19
	Evaporating Temperature Range	°C	6.5	6.5
	Suction Superheat (Target)	K	5	5
Heating	Air on Coil Temperature	°C DB	20	20
	Condensing Temperature	°C	47	47
	Sub Cooling	K	10	10
Heat Exchanger	Air Volume Min. - Max.	m³/h	2880 - 4320	3360 - 5040
	Coil Pipe Diameter	mm - "	9.52 - 3/8	9.52 - 3/8
	Paths	No.	10 - 12	10 - 12
	Electronic Expansion Valve	MM-	DXV281	DXV281
	DX Coil Burst Pressure (Greater Than)	mPa	12.45	12.45
	Maximum System Operating Pressure	mPa	4.15	4.15

CONTACT HUSHON (UK) LIMITED FOR ALL YOU AIR HANDLING UNIT REQUIREMENTS - CALL 023 92 324335 or EMAIL: sales@hushonuk.co.uk