



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