



Tropical Application-R22

Specification

Nominal ton		(Ton)	25	25	25
Model			APRGT-250CD-R1	APRGT-250ED-R1	APRGT-250HD-R1
Power Supply		V,Ph,Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz
Cooling	Cooling Capacity (1)	Btu/h	300000	300000	300000
		kW	87	87	87
	Power Input(1)	kW	31.5	31.5	31.5
	Cooling Capacity (2)	Btu/h	263000	263000	263000
		kW	77	77	77
Power Input(2)	kW	37	37	37	
Heating	Heating Capacity	Btu/h	-	133000	314000
		kW	-	39	92
	Power Input	kW	-	39	30
Max. input consumption		kW	46.7	46.7	46.9
Max. current		A	87.9	87.9	88.2
Performance	Indoor fan air flow	CFM	10200	10200	10200
	ESP	Pa	170	170	170
	EER 1	Btu/h/W	9.4	9.4	9.4
	EER 2	Btu/h/W	7.1	7.1	7.1
	COP	Btu/h/W	/	/	10.5
Indoor Coil	Number of rows		4	4	4
	Fin spacing	mm	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94
inch		5/16"	5/16"	5/16"	
Indoor Fan	Type		Centrifugal Blower	Centrifugal Blower	Centrifugal Blower
	Quantity		1	1	1
	Drive type		Belt	Belt	Belt
	Motor quantity		1	1	1
Compressor	Type		Scroll	Scroll	Scroll
	Quantity		2	2	2
	Brand		Copeland	Copeland	Copeland
	Capacity	Btu/h	155000x2	155000x2	155000x2
	Refrigerant oil charge	ml	3000x2	3000x2	3000x2
Outdoor Coil	Number of rows		3.5	3.5	3.5
	Fin spacing	mm	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94
inch		5/16"	5/16"	5/16"	
Outdoor Fan	Type		Propeller	Propeller	Propeller
	Quantity		2	2	2
	Drive type		Direct	Direct	Direct
	Motor quantity		2	2	2
Refrigerant	Type		R22	R22	R22
	Refrigerant volume	Kg	9.4x2	9.4x2	9.4x2
	Refrigerant Control		Capillary	Capillary	Capillary
Filter	Quantity		3	3	3
	Size (W×H×D)	mm	964×640×12.5	964×640×12.5	964×640×12.5
Shipping	Qty' Per 20'/40'/40'HQ	Pieces	2/4/8	2/4/8	2/4/8

Note:

The data are based on the following conditions:

Cooling and Power input :(1) Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 35°C(95°F) DB.

(2) Indoor Temperature 26.7°C(80°F) DB / 19.4°C(67°F) WB; - Outdoor Temperature 46.1°C(115°F) DB.

Heating and Power input: Indoor Temperature 20°C(68°F) DB/15°C(59°F) WB; - Outdoor Temperature 7°C(44.6°F) DB/6°C(42.8°F) WB.