



Tropical Application-R22

Specification

Nominal ton		(Ton)	12.5	12.5	15	15	15
Model			APRFT-125CD-R1	APRGT-125ED-R1 APRHT-125ED-R1	APRFT-125CD-R1	APRGT-150ED-R1 APRHT-150ED-R1	APRFT-150HD-R1
Power supply		V,Ph,Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz	380~415V,3Ph,50Hz
Cooling	Cooling Capacity (1)	Btu/h	150000	150000	180000	180000	180000
		kW	44	44	53	53	53
	Power Input(1)	kW	15.1	15.1	18.8	18.8	18.8
		Cooling Capacity (2)	Btu/h	129000	129000	157900	157900
	kW		37.8	37.8	46.3	46.3	46.3
Power Input(2)	kW	17.6	17.6	20.7	20.7	20.7	
	Heating	Heating Capacity	Btu/h	-	102000	-	102000
kW			-	30	-	30	56
Power Input		kW	-	30	-	30	18.6
Max. input consumption		kW	21.5	21.5	24.8	24.8	27
Max. current		A	41	41	46	46	50.3
Performance	Indoor fan air flow	CFM	5000	5000	6000	6000	6000
	ESP	Pa	75	75	90	90	90
	EER 1	Btu/h/W	9.9	9.9	9.7	9.7	9.7
	EER 2	Btu/h/W	7.3	7.3	7.6	7.6	7.6
	COP	Btu/h/W	/	/	/	/	10.3
Indoor Coil	Number of rows		3	3	3	3	3
	Fin spacing	mm	1.4	1.4	1.4	1.4	1.4
		inch	1/16"	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94	7.94
inch		5/16"	5/16"	5/16"	5/16"	5/16"	
Indoor Fan	Type		Centrifugal Blower	Centrifugal Blower	Centrifugal Blower	Centrifugal Blower	Centrifugal Blower
	Quantity		1	1	1	1	1
	Drive type		Belt	Belt	Belt	Belt	Belt
	Motor quantity		1	1	1	1	1
Compressor	Type		Scroll	Scroll	Scroll	Scroll	Scroll
	Quantity		2	2	2	2	2
	Brand		Copeland	Copeland	Copeland	Copeland	Copeland
	Capacity	Btu/h	120000+51000	120000+51000	120136+59300	120136+59300	120136+59300
	Refrigerant oil charge	ml	3253+1360	3253+1360	3253+1774	3253+1774	3253+1774
Outdoor Coil	Number of rows		3	3	3	3	3
	Fin spacing	mm	1.6	1.6	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94	7.94
inch		5/16"	5/16"	5/16"	5/16"	5/16"	
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller	Propeller
	Quantity		2	2	2	2	2
	Drive type		Direct	Direct	Direct	Direct	Direct
	Motor quantity		2	2	2	2	2
Refrigerant	Type		R22	R22	R22	R22	R22
	Refrigerant volume	Kg	8+3.7	8+3.7	8.8+3.8	8.8+3.8	9.4+4.3
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary	Capillary
Filter	Quantity		2	2	2	2	2
	Size (W×H×D)	mm	1015×815×12.5	1015×815×12.5	1015×815×12.5	1015×815×12.5	1015×815×12.5
Shipping	Qty' Per 20'/40'/40'HQ	Pieces	3/6/12	3/6/12	3/6/12	3/6/12	3/6/12

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.