



Tropical Application-R22

Specification

Nominal ton		(Ton)	8.5	8.5	10	10	10
Model			APRFT-085CD-R1	APRGT-085ED-R1 APRHT-085ED-R1	APRFT-100CD-R1	APRGT-100ED-R1 APRHT-100ED-R1	APRFT-100HD-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	107000	107000	120000	120000	120000
		kW	31.4	31.4	35	35	35
	Power Input(1)	kW	10.2	10.2	12.4	12.4	12.4
	Cooling Capacity (2)	Btu/h	94600	94600	105300	105300	105300
		kW	27.8	27.8	30.9	30.9	30.9
Power Input(2)	kW	12.6	12.6	14.5	14.5	14.5	
Electric Heating(Optional)	Heating Capacity	Btu/h	-	71700	-	71700	126000
		kW	-	21	-	21	36.7
	Power Input	kW	-	21	-	21	11
Max. input consumption		kW	16.2	16.2	17.4	17.4	17.5
Max. current		A	29.2	29.2	31.9	31.9	32.1
Performance	Indoor fan air flow	CFM	3600	3600	4000	4000	4000
	ESP	Pa	75	75	75	75	75
	EER 1	Btu/h/W	10.5	10.5	9.6	9.6	9.6
	EER 2	Btu/h/W	7.5	7.5	7.3	7.3	7.3
	COP	Btu/h/W	/	/	/	/	11.4
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	51000x2	51000x2	59300x2	59300x2	59300x2
	Refrigerant oil charge	ml	1360x2	1360x2	1700x2	1700x2	1700x2
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		1	1	1	1	1
	Drive type		Direct	Direct	Direct	Direct	Direct
	Motor quantity		1	1	1	1	1
Refrigerant	Type		R22	R22	R22	R22	R22
	Refrigerant volume	Kg	3.0x2	3.0x2	3.2x2	3.2x2	3.0 x2
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary	Capillary
Filter	Quantity		4	4	4	4	4
	Size (W×H×D)	mm	566×404×12.5	566×404×12.5	566×404×12.5	566×404×12.5	566×404×12.5
Shipping	Qty' Per 20'/40'/40'HQ	Pieces	8/16/16	8/16/16	8/16/16	8/16/16	8/16/16

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.