



## Tropical Application-R22

### Specification

Nominal ton		(Ton)	17.5	17.5	20	20	20
Model			APRFT-175CD-R1	APRGT-175ED-R1	APRFT-200CD-R1	APRGT-200ED-R1 APRHT-200ED-R1	APRHT-200HD-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	210000	210000	240000	240000	240000
		kW	60	60	70	70	70
	Power Input(1)	kW	21	21	25.1	25.1	25.1
	Cooling Capacity (2)	Btu/h	185600	185600	210700	210700	210700
		kW	54.4	54.4	61.7	61.7	61.7
Power Input(2)	kW	23.5	23.5	27.6	27.6	27.6	
Heating	Heating Capacity	Btu/h	-	133000	-	133000	256000
		kW	-	39	-	39	75
	Power Input	kW	-	39	-	39	25
Max. input consumption		kW	28.1	28.1	31.9	31.9	33.4
Max. current		A	53.1	53.1	58.7	58.7	62
Performance	Indoor fan air flow	CFM	6800	6800	7800	7800	7800
	ESP	Pa	100	100	100	100	100
	EER 1	Btu/h/W	9.7	9.7	9.5	9.5	9.5
	EER 2	Btu/h/W	7.8	7.8	7.6	7.6	7.6
	COP	Btu/h/W	/	/	/	/	10.2
Indoor Coil	Number of rows		3	3	3	3	3
	Fin spacing	mm	1.7	1.7	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	9.53	9.53	7.94	7.94	7.94
inch		3/8"	3/8"	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	120000x2	120000x2	120000x2	120000x2	120000x2
	Refrigerant oil charge	ml	3253x2	3253x2	3200x2	3200x2	3200x2
Outdoor Coil	Number of rows		3	3	3	3	3
	Fin spacing	mm	1.7	1.7	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	9.53	9.53	7.94	7.94	7.94
inch		3/8"	3/8"	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	8.0 ×2	8.0 ×2	8.0 ×2	8.0 ×2	8.0 ×2
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary	Capillary
Filter	Quantity		2	2	2	2	2
	Size (W×H×D)	mm	978×956×12.5	978×956×12.5	978×956×12.5	978×956×12.5	978×956×12.5
Shipping	Qty' Per 20'/40'/40'HQ	Pieces	2/4/8	2/4/8	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.