



Tropical Application-R410A

Specification

Nominal ton		(Ton)	7.5	7.5	7.5	8.5
Model			APRFT-075CDN1-R1	APRGT-075EDN1-R1	APRFT-075HDN1-R1	APRFT-085CDN1-R1
Power Supply		V/Ph/Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz
Cooling	Cooling Capacity(1)	Btu/h	89000	89000	89000	103000
		kW	26	26	26	30
	Power Input(1)	kW	9.2	9.2	9.2	10.4
		Cooling Capacity(2)	Btu/h	74500	74500	74500
	kW		21.8	21.8	21.8	25.1
Power Input(2)	kW	9.9	9.9	9.9	11.4	
	Heating	Heating Capacity	Btu/h	-	47800	102000
kW			-	14	30	-
PowerInput		kW	-	14	8.8	-
Max.input consumption		kW	13	13	13.5	14
Max.power input		A	25	25	25.6	26.3
Performance	Indoor fan air flow	CFM	3000	3000	3000	3600
	ESP	Pa	60	60	60	75
	EER1	Btu/h/W	9.7	9.7	9.7	9.8
	EER2	Btu/h/W	7.5	7.5	7.5	7.5
	COP	Btu/h/W	/	/	11.6	/
Indoor Coil	Number of rows		2	2	2	3
	Fin spacing	mm	1.6	1.6	1.6	1.4
		inch	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94
inch		5/16"	5/16"	5/16"	5/16"	
Indoor Fan	Type		Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Quantity		1	1	1	1
	Drive type		Belt	Belt	Belt	Belt
	Motor quantity		1	1	1	1
Compressor	Type		Scroll	Scroll	Scroll	Scroll
	Quantity		1	1	1	1
	Brand		Danfoss	Danfoss	Danfoss	Danfoss
	Capacity	Btu/h	91500	91500	91500	102200
	Refrigerant oil charge	ml	3000	3000	3000	3300
Outdoor Coil	Number of rows		3	3	3	3
	Fin spacing	mm	1.6	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"	1/16"
	Tube diameter	mm	7.94	7.94	7.94	7.94
inch		5/16"	5/16"	5/16"	5/16"	
Outdoor Fan	Type		Propeller	Propeller	Propeller	Propeller
	Quantity		1	1	1	1
	Drive type		Direct	Direct	Direct	Direct
	Motor quantity		1	1	1	1
Refrigerant	Type		R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	5.6	5.6	6	6.5
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary
Filter	Quantity	Pieces	2	2	2	2
	Size(W×H×D)	mm	447X885X10	447X885X10	447X885X10	566X814X10
Shipping	Qty'Per 20'/40'/40'HQ	Pieces	12/28/28	12/28/28	12/28/28	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.