



Tropical Application-R410A

Specification

Nominal ton		(Ton)	15	15	15	17.5	17.5
Model			APRGT-150EDN1-R1	APRFT-150HDN1-R1	APRFT-150CDN1-R1	APRFT-175CDN1-R1	APRGT-175EDN1-R1
Power Supply		V/Ph/Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz
Cooling	Cooling Capacity(1)	Btu/h	180000	180000	180000	205000	205000
		kW	53	53	53	60	60
	Power Input(1)	kW	18.6	18.6	18.6	20	20
		Cooling Capacity(2)	Btu/h	159600	159600	159600	180600
	kW		46.7	46.7	46.7	52.9	52.9
Heating	Heating Capacity	Btu/h	102400	191000	-	-	102400
		kW	30	56	-	-	30
	PowerInput	kW	30	17.5	-	-	30
Max.input consumption		kW	27	27.8	27	30.1	30.1
Max.power input		A	53	54.7	53	57.8	57.8
Performance	Indoor fan air	CFM	6600	6600	6600	7300	7300
	ESP	Pa	90	90	90	90	90
	EER1	Btu/h/W	9.7	9.7	9.7	10.2	10.2
	EER2	Btu/h/W	7.5	7.5	7.5	7.7	7.7
	COP	Btu/h/W	/	11	/	/	/
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	Centrifugal	Centrifugal	Centrifugal	Centrifugal
	Quantity		1	1	1	1	1
	Drivetype		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		Danfoss	Danfoss	Danfoss	Danfoss	Danfoss
	Capacity	Btu/h	91500×2	91500×2	91500×2	102200×2	102200×2
	Refrigerant oil charge	ml	3000×2	3000×2	3000×2	3300×2	3300×2
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
	Drivetype		Direct	Direct	Direct	Direct	Direct
	Motor quantity		2	2	2	2	2
Refrigerant	Type		R410A	R410A	R410A	R410A	R410A
	Refrigerant volume	Kg	5.8X2	6.5X2	5.8X2	5.2X2	5.2X2
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary	Capillary
Filter	Quantity	Pieces	2	2	2	2	2
	Size (W×H×D)	mm	900X815X12.5	900X815X12.5	900X815X12.5	900X815X12.5	900X815X12.5
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.