



## Tropical Application-R410A

### Specification

Nominal ton		(Ton)	8.5	8.5	10	10
Model			APRGT-085EDN1-R1	APRFT-085HDN1-R1	APRFT-100CDN1-R1	APRGT-100EDN1-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	103000	103000	120000	120000
		kW	30	30	35	35
	Power Input(1)	kW	10.4	10.4	11.8	11.8
		Cooling Capacity(2)	Btu/h	85600	85600	100000
Power Input(2)	kW		25.1	25.1	29.3	29.3
	Heating	Heating Capacity	Btu/h	71700	120000	-
kW			21	35	-	21
Power Input		kW	21	10.1	-	21
Max.input consumption		kW	14	14.8	16.8	16.8
Max.power input		A	26.3	27.5	30	30
Performance	Indoor fan air flow	CFM	3600	3600	3800	3800
	ESP	Pa	75	75	75	75
	EER1	Btu/h/W	9.8	9.8	10.2	10.2
	EER2	Btu/h/W	7.5	7.5	7.6	7.6
	COP	Btu/h/W	/	11.6	/	/
Indoor Coil	Number of rows		3	3	3	3
	Fin spacing	mm	1.4	1.4	1.4	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	102200	102200	119000	119000
	Refrigerant oil charge	ml	3300	3300	3300	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	6.5	6.8	6.7	6.7
	Refrigerant Control		Capillary	Capillary	Capillary	Capillary
Filter	Quantity	Pieces	2	2	2	2
	Size(W×H×D)	mm	566X814X10	566X814X10	566X814X10	566X814X10
Shipping	Qty/Per 20'/40'/40'HQ	Pieces	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.