



Tropical Application-R410A

Specification

Nominal ton		(Ton)	30	30	30
Model			APRGT-300CDN1-R1	APRGT-200EDN1-R1	APRGT-300HDN1-R1
Power Supply		V/Ph/Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz	380~400V,3Ph,50Hz
Cooling	Cooling Capacity(1)	Btu/h	331000	331000	331000
		kW	97	97	97
	Power Input(1)	kW	33	33	33
		Cooling Capacity(2)	Btu/h	299600	299600
	kW		87.8	87.8	87.8
Power Input(2)	kW	40.1	40.1	40.1	
	Heating	Heating Capacity	Btu/h	-	133000
kW			-	39	105
Power Input		kW	-	39	35.8
Max.input consumption		kW	48	48	48.6
Max.power input		A	92	92	93.1
Performance	Indoor fan air flow		CFM	12000	12000
	ESP		Pa	250	250
	EER1		Btu/h/W	10	10
	EER2		Btu/h/W	7.5	7.5
	COP		Btu/h/W	/	/
Indoor Coil	Number of rows			3	3
	Fin spacing	mm	1.5	1.5	1.5
		inch	1/16"	1/16"	1/16"
	Tube diameter	mm	7	7	7
inch		9/32"	9/32"	9/32"	
Indoor Fan	Type			Centrifugal	Centrifugal
	Quantity			1	1
	Drive type			Belt	Belt
	Motor quantity			1	1
Compressor	Type			Scroll	Scroll
	Quantity			2	2
	Brand			Danfoss	Danfoss
	Capacity	Btu/h		152384×2	152384×2
	Refrigerant oil charge	ml		3600×2	3600×2
Outdoor Coil	Number of rows			3.5	3.5
	Fin spacing	mm	1.6	1.6	1.6
		inch	1/16"	1/16"	1/16"
	Tube diameter	mm	7	7	7
inch		9/32"	9/32"	9/32"	
Outdoor Fan	Type			Propeller	Propeller
	Quantity			2	2
	Drive type			Direct	Direct
	Motor quantity			2	2
Refrigerant	Type			R410A	R410A
	Refrigerant volume	Kg		8.3X2	9.4X2
	Refrigerant Control			Capillary	Capillary
Filter	Quantity	Pieces		3	3
	Size (W×H×D)	mm		1492X640X12.5	1492X640X12.5
Shipping	Qty/Per 20'/40'/40'HQ	Pieces		2/4/4	2/4/4

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.