



Infinity Chillers

IM-20AR3-SS AIR COOLED

PHYSICAL DATA

Cooling Capacity	kcal/h		60400
	BTU/h		2400000
	Nominal Capacity	RT	20
	Outlet Water Temp.	°F	50
	Condensation Temp.	°F	122
Power Supply			3PH-220V-60HZ
Max Amp		A	92
Total Power Input		HP	33
Power Supply Cable Diameter		mm ²	AWG 3
Safety Protection Device			Overload, Inverse Phase, High/Low Pressure, Water Flow, Water Level & Anti-Freeze Protection
Refrigerant	Type		R410A
	Charge	Lbs	20
Compressor	Start Mode		Direct start
	Type		Scroll Type
	Qty		2
	HP		13.3 x 2
	RLA (Rated Load Amp)		34 x 2
	LRA(Locked Rotor Amp)		240 x 2
Fan	Qty		2
	Type		External Rotar Axial Fan
	Power	HP	1.13 x 2
	Current	A	2.8 x 2
	LRA	A	17 x 2
	Volume Air Flow	CFM	14982
Condenser	Type		MCHE
	Subcooling	°F	9
	Heat Rejection	BTU/h	356058
Evaporator	Type		Stainless Steel
	Superheat	°F	9
	Heat Rejection	BTU/h	240034
	Cooled Water Flow	GPM	55
	Water Pressure Drop	PSI	≤12



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Energy Adjust Mode		100%-0%
Throttling Device	Mode thermal expansion valve	
Pipe	Water Outlet MNPT 2"	
	Water Inlet MNPT 2"	
Water Pump	Flow	GPM 55
	Head	PSI 65.3
	LRA	A 73.8
	Power	HP 4
Water Tank	Capacity	GAL 61
Sound Pressure at 1 meter	DBA 74	
Programming Controller	Display LCD display	
	Controller microcomputer controller	
	Temp Control Range °F +41 ~+95	
	Temp Control Accuracy°F ±3.6	
Dimensions	inches (LxWxH) 88×39×87	
Weight	lbs 1147 (For Reference)	

NOTES:

- 1 Cooling capacity based on 5°C (41°F) leaving coolant and 35°C (95°F) ambient air.
Chilled water work allowed temperature range: 5°C~35°C (41°F ~95°F).
- 2 Chilled water in and out temperature difference: 3°C~8°C(5.4°F~14.4°F);
Allowed ambient temperature range: -20°C~40°C(-4°F~104°F).
- 3 Power supply: 3PH-220V-60HZ , Allowing the voltage fluctuate ±10%, allow phase voltage difference ±2%, Allow the frequency range ±0.2Hz.