



# Infinity Chillers

## IM-5AR3-SS AIR COOLED

### PHYSICAL DATA

Cooling Capacity	kcal/h		15100
	BTU/h		60000
	Nominal Capacity	RT	5
	Outlet Water Temp.	°F	50
	Condensation Temp.	°F	122
Power Supply			3PH-220V-60HZ
Max Amp		A	26
Total Power Input		HP	8
Power Supply Cable Diameter		mm <sup>2</sup>	AWG 8
Safety Protection Device			Overload, Inverse Phase, High/Low Pressure, Water Flow, Water Level & Anti-Freeze Protection
Refrigerant	Type		R410A
	Charge	Lbs	4
Compressor	Start Mode		Direct start
	Type		Scroll Type
	Qty		1
	HP		6
	RLA (Rated Load Amp)		16.7
	LRA(Locked Rotor Amp)		137
Fan	Qty		1
	Type		External Rotar Axial Fan
	Power	HP	0.97
	Current	A	2.4
	LRA	A	14
	Volume Air Flow	CFM	5176
Condenser	Type		MCHE
	Subcooling	°F	9
	Heat Rejection	BTU/h	117048
Evaporator	Type		Stainless Steel
	Superheat	°F	9
	Heat Rejection	BTU/h	60,060
	Cooled Water Flow	GPM	13
	Water Pressure Drop	PSI	≤12



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Energy Adjust Mode		100%-0%
Throttling Device	Mode thermal expansion valve	
Pipe	Water Outlet MNPT 1"	
	Water Inlet MNPT 1"	
Water Pump	Flow	GPM 13
	Head	PSI 40.6
	LRA	A 13.8
	Power	HP 0.75
Water Tank	Capacity	GAL 25
Sound Pressure at 1 meter	DBA 68	
Programming Controller	Display LCD display	
	Controller microcomputer controller	
	Temp Control Range °F +41 ~+95	
	Temp Control Accuracy°F ±3.6	
Dimensions	inches (LxWxH) 47×27×46	
Weight	lbs 375 (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.