

Technical Specifications

v2014v1



Powered by:



Type		Air Cooled <i>Fixed Speed</i>				Air Cooled <i>Inverter Driven</i>				
Model		AC01	AC02	AC05	IAC05	IAC07	IAC10	IAC15	IAC20	
Refrigeration Capacity	kw	2.8	5.3	13.6	13.6	17.5	27.2	40.3	54.4	
	RT	0.8	1.5	3.9	3.9	5.0	7.7	11.5	15.5	
	×10 ³ kcal/hr	2.4	4.5	11.7	11.7	15.1	23.4	34.7	46.8	
	BTU/hr	9000	18000	46000	46000	60000	93000	138000	186000	
Total Power	kW	1.55	2.50	5.30	5.30	6.27	9.75	14.05	19.50	
Total Current	A	8.93	12.31	10.73	16.00	12.83	18.70	26.79	37.50	
Isolator Requirement	A	1PH 13A	1PH 15A	3PH 16A	3PH 20A	3PH 20A	3PH 25A	3PH 40A	3PH 50A	
Type		← Fixed Speed →				← Inverter Driven →				
Refrigerant		R22 / R407c								
Compressor	Number of compressor	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	
	Capacity Control	%	← Via Hot Gas Bypass →				← 0-100% Stepless Control →			
	Input Power	kW	0.89	1.77	4.30	4.30	5.27	8.10	12.40	16.20
	Operation Current	A	4.78	7.84	8.10	16.00	10.20	14.60	22.69	29.20
	Number of fan		1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
Fans	Input Power	kW	0.11	0.18	0.25	0.25	0.25	0.55	0.55	1.10
	Input Current	A	0.50	0.82	0.80	1.60	0.80	1.50	1.50	3.40
	Flow rate	L/Min	7.9	15.1	39.0	39.0	50.2	78.0	115.5	155.9
Water Pump		M ³ /H	0.5	0.9	2.3	2.3	3.0	4.7	6.9	9.4
		US GPM	2.1	4.0	10.3	10.3	13.2	20.6	30.5	41.2
	Pump Pressure	Bar	4.0	4.0	4.0	4.0	3.3	4.0	2.6	3.5
	Pipe Connection	DN	DN15	DN15	DN25	DN25	DN25	DN25	DN40	DN50
	Input Power	kW	0.55	0.55	0.75	0.75	0.75	1.10	1.10	2.20
	Input Current	A	3.65	3.65	1.83	4.80	1.83	2.60	2.60	4.90
Reservoir Volume		L	16	16	75	75	75	125	145	250
Efficiency		COP	2.8	2.7	3.0	3.0	3.2	3.1	3.1	3.1
		EER	8.7	8.5	9.4	9.4	10.0	9.9	9.8	9.9
Dimension	Length	mm	650	650	1150	1150	1150	1505	1505	1755
	Width	mm	550	550	740	740	740	850	850	900
	Height	mm	850	850	1375	1375	1375	1475	1550	1780
Weight		kg	73	100	220	220	220	360	450	650

Conditions for above mentioned : Chilled Water In : 12°C, Chilled Water Out : 7°C, Ambient Temperature : 35°C (Rated in accordance with AHRI Standard 550/590)

Power supply specification: 3P/415v/50Hz. 60Hz is available on request ▶ AC1, AC2 are of power source : 1P / 220V/50Hz. Incoming Power shall consist of 4 wires, of L1, L2, L3 and Neutral

Type			Air Cooled <i>Inverter</i> Driven								
Model			IMAC25	IMAC40	IMAC60	IMAC80	IMAC120	IMAC180	IMAC240	IMAC300	IMAC360
Refrigeration Capacity	Combination		1 x MAC25	1 x IMAC40	1 x IMAC60	2 x IMAC40	2 x IMAC60	3 x IMAC60	4 x IMAC60	5 x IMAC60	6 x IMAC60
		kw	65.0	100.0	150.0	200.0	300.0	450.0	600.0	750.0	900.0
		RT	18.5	28.5	42.7	57.0	85.5	128.2	170.9	213.7	256.4
		×10 ³ kcal/hr	55.9	86.0	129.0	172.0	258.0	387.0	516.0	645.0	774.0
		BTU/hr	222000	341000	512000	682000	1024000	1535000	2047000	2559000	3071000
Total Power		kW	21.6	34.9	52.2	69.8	104.4	156.6	208.8	261.0	313.2
Total Current		A	41.1	65.8	97.2	131.6	194.4	291.6	388.8	486.0	583.2
Type			Inverter Driven + Scroll Combination								
Refrigerant			R22 / R407c								
Compressor	Number of compressor		3.0	4.0	6.0	8.0	12.0	18.0	24.0	30.0	36.0
	Capacity Control	%	0-100% Steplless Control								
	Input Power	kW	20.3	32.4	48.6	64.8	97.2	145.8	194.4	243.0	291.6
	Operation Current	A	37.5	60.0	90.0	120.0	180.0	270.0	360.0	450.0	540.0
Fans	Number of fan		2.0	2.0	2.0	4.0	4.0	6.0	8.0	10.0	12.0
	Input Power	kW	1.3	2.5	3.6	5.0	7.2	10.8	14.4	18.0	21.6
	Input Current	A	3.6	5.8	7.2	11.6	14.4	21.6	28.8	36.0	43.2
Evaporator	Flow rate	L/Min	186.3	286.6	429.9	573.2	859.8	1289.7	1719.6	2149.5	2579.4
		M ³ /H	11.2	17.2	25.8	34.4	51.6	77.4	103.2	129.0	154.8
	Pipe Connection	US GPM	49.2	75.7	113.6	151.4	227.1	340.7	454.3	567.8	681.4
		DN	DN50	DN65	DN65	2 X DN65	2 x DN65	3 x DN65	4 x DN65	5 x DN65	6 x DN65
Efficiency		COP	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
		EER	9.5	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
Dimension	Length	mm	2130	2130	2285	2130	2285	2285	2285	2285	2285
	Width	mm	1080	1080	1360	2160	2720	4080	5440	6800	8160
	Height	mm	2000	2200	2320	2200	2200	2320	2320	2320	2320
Weight		kg	800	900	1250	1800	2500	3750	5000	6250	7500

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Power supply specification: 3P/415v/50hz. 60Hz is available on request *Pumps & Reservoirs are optional add-ons. Specifications customizable upon request



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