

STANDARD SPECIFICATION

PACKAGE AIR COOLED CHILLER

Model :	IN-PACW	18 T	24 T	29 T	34 T	41 T	50 T	61 T	69 T	81 T	91 T	107 T	121 T	133 T	158 T	206 T	257 T	317 T				
Nominal Cooling Capacity	Btu/h	18,425	24,225	28,661	33,779	41,285	50,156	61,075	68,922	80,864	91,442	107,478	121,467	132,727	157,634	206,085	256,924	316,634				
	Kw	5.4	7.1	8.4	9.9	12.1	14.7	17.9	20.2	23.7	26.8	31.5	35.6	38.9	46.2	60.4	75.3	92.8				
Power Consumption	KW	2.35	2.65	3.67	4.07	4.85	5.45	6.65	7.15	7.95	8.78	10.48	11.60	13.63	16.08	19.88	24.13	30.93				
	KW / TON	1.53	1.31	1.54	1.45	1.41	1.30	1.31	1.24	1.18	1.15	1.17	1.15	1.23	1.22	1.16	1.13	1.17				
	COP	2.30	2.68	2.29	2.43	2.49	2.70	2.69	2.83	2.98	3.05	3.01	3.07	2.85	2.87	3.04	3.12	3.00				
	Max. Total Amp.	14.60	17.50	9.10	10.20	14.20	15.20	16.20	17.80	20.40	22.40	25.90	29.60	39.30	47.10	46.00	57.60	74.40				
Compressor	Type	Scroll																				
	V. / PH. / Hz.	220 / 1 / 50						380 / 3 / 50														
	Kw. (input)	1.6	1.9	2.3	2.7	3.4	4.0	4.8	5.3	6.1	6.8	8.1	9.1	10.2	12.4	16.2	20.2	24.6				
	RLA	10.7	13.6	5.5	6.6	10.0	11.0	11.4	13.0	15.6	17.5	19.6	22.3	31.0	40.1	39.0	50.0	62.5				
	QTY.	1																				
Coil	Type / Material	Copper Tube & Alu. Fin or Copper Fin (Option)																				
	Tube size (Inch)	3/8																				
Fan Blade	Type	Propeller direct drive fan																				
	QTY.	1																				
Condenser Motor	Watt (output) Each	95			125			187			282			370			562			750		
	V / PH / Hz	220 / 1 / 50						380 / 3 / 50														
	QTY.	1																				
Water supply pump	Maximum Power input (Kw.)	0.62			1.2			1.6			2			2.93			5.33					
	Current Amp.	3			2.3			2.9			4.3			5.3			9.6					
	V. / PH. / Hz.	220 / 1 / 50						380 / 3 / 50														
	HP.	0.5			1			1.5			2			3			5.5					
Refrigerant	Type	R-22																				
	Kgs.	1.4	1.8	2.1	2.5	3.1	3.8	4.6	5.2	6.1	6.9	8.1	9.1	10.0	11.8	15.5	19.3	23.7				
	Charge	Full																				
Heat exchanger	Type	Tube In Tank "Coper tube"																				
Water tank	Material	Stainless steel grade 304, PE foam insulation coating 3/4" thk.																				
	Capacity (Liters)	55	75	90	100	125	150	185	210	245	280	325	370	400	480	625	780	960				
Water Temp. InLet	°C(°F)	17 (62.6)																				
Water Temp. OutLet	°C(°F)	12 (53.6)																				
Water flow rate	GPM	4.09	5.38	6.37	7.51	9.17	11.15	13.57	15.32	17.97	20.32	23.88	26.99	29.49	35.03	45.80	57.09	70.36				
	Liter./Min.	15.50	20.38	24.11	28.41	34.73	42.19	51.37	57.97	68.02	76.91	90.40	102.17	111.64	132.59	173.34	216.10	266.32				
Water Connection In/Out Valve	Inch (FPT.)	3/4			1			1-1/4			1-1/2			2			2-1/2					
Ambient Working Temp.	°C	15 -> 45																				

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE FOR FURTHER IMPROVEMENT.

NOTE:-

- Nominal Cooling Capacity Based 45 °F Suction temp. and 95 °F Ambient Temp.,

- Fouling Factor 0.0005 Ft2 .h.°F/Btu