



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW												
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
20.0	3.49	4.41	5.53	6.87	8.47	10.35							
25.0	3.31	4.21	5.29	6.59	8.13	9.94	12.05						
30.0	3.13	4.00	5.05	6.30	7.78	9.53	11.55	12.50	13.95				
35.0	2.96	3.79	4.80	6.00	7.43	9.11	11.05	11.95	13.35	14.60	15.95		
40.0	2.78	3.59	4.55	5.70	7.07	8.68	10.55	11.40	12.75	14.00	15.30	18.20	
45.0	2.60	3.38	4.30	5.40	6.70	8.25	10.05	10.85	12.15	13.35	14.60	17.35	20.50
50.0	2.42	3.16	4.04	5.09	6.34	7.81	9.54	10.30	11.55	12.70	13.90	16.55	19.60
55.0	2.24	2.95	3.78	4.78	5.96	7.36	9.01	9.75	10.95	12.00	13.15	15.75	18.65
60.0		2.73	3.52	4.46	5.58	6.91	8.48	9.18	10.30	11.35	12.45	14.90	17.75
65.0			3.26	4.15	5.20	6.46	7.94	8.61	9.69	10.65	11.70	14.05	16.75
70.0				3.82	4.81	6.00	7.40	8.03	9.05	9.98	11.00	13.25	
75.0				3.50	4.42	5.53	6.85	7.45	8.42	9.30	10.25		

Cond °C	Power, kW												
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
20.0	1.26	1.30	1.34	1.38	1.40	1.44							
25.0	1.38	1.42	1.48	1.52	1.56	1.59	1.62						
30.0	1.50	1.56	1.62	1.66	1.72	1.76	1.80	1.81	1.83				
35.0	1.62	1.70	1.76	1.82	1.88	1.94	1.98	2.00	2.02	2.04	2.06		
40.0	1.76	1.84	1.92	1.99	2.06	2.12	2.18	2.20	2.24	2.26	2.28	2.33	
45.0	1.90	1.99	2.08	2.17	2.25	2.32	2.39	2.42	2.46	2.49	2.52	2.58	2.63
50.0	2.05	2.16	2.26	2.35	2.45	2.54	2.62	2.66	2.70	2.74	2.78	2.85	2.91
55.0	2.21	2.33	2.45	2.56	2.67	2.77	2.87	2.91	2.97	3.01	3.06	3.14	3.22
60.0		2.52	2.65	2.78	2.90	3.02	3.14	3.18	3.25	3.30	3.35	3.45	3.55
65.0			2.87	3.01	3.15	3.29	3.42	3.47	3.55	3.61	3.67	3.79	3.90
70.0				3.27	3.43	3.58	3.73	3.79	3.88	3.95	4.02	4.15	
75.0				3.55	3.72	3.89	4.06	4.13	4.23	4.31	4.38		

Cond °C	Current at 400 V, A												
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
20.0	4.17	4.22	4.25	4.27	4.27	4.25							
25.0	4.19	4.25	4.30	4.34	4.36	4.37	4.34						
30.0	4.24	4.31	4.37	4.43	4.48	4.51	4.52	4.51	4.50				
35.0	4.33	4.40	4.47	4.55	4.62	4.67	4.71	4.72	4.72	4.72	4.71		
40.0	4.44	4.52	4.61	4.69	4.78	4.86	4.92	4.94	4.96	4.98	4.98	4.97	
45.0	4.59	4.68	4.77	4.87	4.97	5.07	5.15	5.19	5.23	5.26	5.28	5.31	5.30
50.0	4.78	4.86	4.96	5.07	5.19	5.30	5.41	5.45	5.51	5.55	5.59	5.66	5.69
55.0	5.00	5.08	5.19	5.30	5.43	5.56	5.69	5.74	5.81	5.87	5.93	6.02	6.09
60.0		5.34	5.44	5.56	5.70	5.85	5.99	6.05	6.14	6.21	6.28	6.40	6.51
65.0			5.73	5.85	6.00	6.16	6.32	6.39	6.49	6.57	6.65	6.80	6.94
70.0				6.17	6.33	6.49	6.67	6.75	6.86	6.95	7.04	7.22	
75.0				6.53	6.68	6.86	7.05	7.13	7.25	7.35	7.45		

Cond °C	Suction Mass Flow, g/s												
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
20.0	19.80	24.60	30.30	37.00	44.80	53.80							
25.0	19.60	24.40	30.10	36.80	44.60	53.60	63.90						
30.0	19.35	24.20	29.90	36.60	44.40	53.40	63.70	68.30	75.50				
35.0	19.10	24.00	29.80	36.40	44.20	53.20	63.50	68.00	75.20	81.70	88.50		
40.0	18.85	23.80	29.50	36.20	44.00	53.00	63.30	67.80	75.00	81.40	88.20	103.00	
45.0	18.60	23.60	29.30	36.00	43.80	52.70	63.00	67.50	74.70	81.10	88.00	103.00	119.50
50.0	18.25	23.30	29.10	35.80	43.50	52.40	62.70	67.20	74.40	80.90	87.70	102.50	119.50
55.0	17.95	23.00	28.80	35.50	43.20	52.10	62.40	66.90	74.10	80.50	87.40	102.50	119.00
60.0		22.70	28.50	35.20	42.90	51.80	62.00	66.60	73.80	80.20	87.10	102.00	119.00
65.0			28.20	34.80	42.50	51.40	61.70	66.20	73.50	79.90	86.80	102.00	119.00
70.0				34.50	42.20	51.10	61.40	65.90	73.20	79.70	86.60	102.00	
75.0				34.10	41.80	50.70	61.10	65.60	72.90	79.50	86.50		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	14.4
Length/Width, mm	247/241
Height, mm	438
Net Weight, kg	38
Gross Weight, kg	41
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.89
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	63
Sound Power (HT), dBA	74
Sound Conditions (HT, Temperatures:	-7 / 50 / 3 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	1
Max. Low Side Internal Free Volume, l	6.0
Max. High Side Internal Free Volume, l	0.6
Max. Internal Free Volume, l	6.60
High Side PS gauge, bar	32
Low Side PS gauge, bar	22.6
Low Side TS Max., °C	50
Refrigerant's GWP	1430
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	10.1
Locked Rotor Current, A	64
Winding Resistance, ohm	2.47
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Mounting Grommets	Standard
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ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Discharge Temperature Protection	Discharge line thermostat

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFR	220-240 V / 3~ / 50 Hz	230		Y	1.73
TFD	460 V / 3~ / 60 Hz	460		Y	1.04