



Minimum Evaporating Temp. With:

- █ 20 °C Suction Gas Return Liquid injection
- █ Maximum Evaporating Temperature

Suction Return Temperature 10.0°C

Liquid Subcooling 2.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	1.16	1.49	1.89	2.38	2.97	3.66					
15.0	1.12	1.44	1.82	2.30	2.86	3.53	4.31				
20.0	1.07	1.38	1.76	2.21	2.75	3.39	4.14	5.01			
25.0	1.02	1.32	1.68	2.12	2.64	3.25	3.96	4.79	5.74		
30.0	0.97	1.26	1.60	2.02	2.51	3.09	3.77	4.56	5.46	6.49	
35.0	0.92	1.20	1.53	1.92	2.39	2.94	3.58	4.32	5.17	6.16	
40.0	0.88	1.14	1.45	1.82	2.26	2.77	3.37	4.07	4.88	5.81	
45.0	0.83	1.08	1.37	1.72	2.12	2.60	3.16	3.82	4.58	5.45	
50.0	0.79	1.02	1.30	1.61	1.98	2.43	2.95	3.56	4.26	5.08	
55.0	0.75	0.97	1.22	1.50	1.85	2.25	2.73	3.29	3.94	4.70	
60.0						2.07	2.51	3.02	3.62	4.31	

Cond °C	Power, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	0.63	0.68	0.73	0.79	0.86	0.93					
15.0	0.66	0.70	0.76	0.82	0.90	0.97	1.06				
20.0	0.69	0.74	0.80	0.87	0.94	1.02	1.11	1.20			
25.0	0.75	0.80	0.86	0.93	1.00	1.08	1.17	1.27	1.36		
30.0	0.82	0.87	0.93	1.00	1.07	1.15	1.24	1.33	1.43	1.54	
35.0	0.92	0.96	1.02	1.08	1.16	1.23	1.32	1.40	1.50	1.61	
40.0	1.03	1.08	1.13	1.18	1.26	1.32	1.40	1.50	1.59	1.69	
45.0	1.18	1.22	1.26	1.31	1.37	1.44	1.52	1.60	1.68	1.78	
50.0	1.34	1.38	1.42	1.46	1.52	1.58	1.64	1.72	1.80	1.88	
55.0	1.54	1.56	1.60	1.63	1.68	1.72	1.78	1.85	1.92	2.00	
60.0						1.90	1.96	2.01	2.07	2.14	

Cond °C	Current at 400 V, A										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	2.19	2.21	2.24	2.28	2.32	2.38					
15.0	2.19	2.22	2.26	2.30	2.36	2.42	2.50				
20.0	2.21	2.25	2.29	2.34	2.40	2.47	2.55	2.64			
25.0	2.24	2.28	2.33	2.38	2.45	2.52	2.60	2.70	2.81		
30.0	2.30	2.34	2.39	2.44	2.51	2.58	2.67	2.77	2.87	2.99	
35.0	2.37	2.41	2.46	2.52	2.59	2.66	2.75	2.85	2.95	3.07	
40.0	2.48	2.52	2.57	2.62	2.69	2.76	2.85	2.94	3.05	3.16	
45.0	2.61	2.65	2.70	2.75	2.81	2.88	2.96	3.06	3.16	3.27	
50.0	2.78	2.82	2.86	2.91	2.96	3.03	3.11	3.19	3.29	3.40	
55.0	2.99	3.02	3.06	3.10	3.15	3.21	3.28	3.36	3.45	3.56	
60.0						3.43	3.49	3.56	3.64	3.74	

Cond °C	Suction Mass Flow, g/s										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	5.40	6.92	8.82	11.15	13.95	17.30					
15.0	5.36	6.91	8.81	11.15	13.95	17.25	21.20				
20.0	5.33	6.89	8.80	11.10	13.90	17.25	21.10	25.80			
25.0	5.29	6.86	8.77	11.10	13.85	17.15	21.10	25.60	31.00		
30.0	5.25	6.83	8.74	11.05	13.80	17.05	20.90	25.50	30.80	37.10	
35.0	5.22	6.80	8.70	11.00	13.70	16.95	20.80	25.30	30.60	36.90	
40.0	5.20	6.78	8.67	10.90	13.60	16.80	20.60	25.10	30.40	36.60	
45.0	5.20	6.78	8.63	10.85	13.50	16.65	20.40	24.80	30.10	36.30	
50.0	5.23	6.79	8.62	10.80	13.40	16.50	20.20	24.60	29.80	35.90	
55.0	5.30	6.83	8.62	10.75	13.25	16.30	19.95	24.30	29.40	35.60	
60.0						16.15	19.70	24.00	29.10	35.20	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	5.92
Length/Width, mm	253/248
Height, mm	369
Net Weight, kg	25.4
Gross Weight, kg	27.3
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Stub Injection, inch	3/8
Oil Quantity, l	1.3
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	190.5 x 190.5 (19)
Sound Pressure @ 1m (LT), dBA	58
Sound Power (LT), dBA	69
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35 / 40 / 20 °C at 50 Hz
PED Category	II
Max. Low Side Internal Free Volume, l	4.1
Max. High Side Internal Free Volume, l	0.5
Max. Internal Free Volume, l	4.60
High Side PS gauge, bar	38
Low Side PS gauge, bar	23.5
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
High Side TS Max., °C	150
High Side TS Min., °C	-35
Refrigerant's GWP	148
Refrigerant's classification	A2L

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

Maximum Operating Current, A	5
Locked Rotor Current, A	26
Winding Resistance, ohm	7.1
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED**ACCESSORIES OPTIONAL**

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
TFD	460 V / 3~ / 60 Hz	460		Y	1.04