



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 5 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

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	
17.0	3.93	4.97	6.26										
20.0	3.81	4.83	6.09	7.62									
25.0	3.61	4.59	5.80	7.26	9.02	11.10							
30.0	3.41	4.34	5.50	6.90	8.58	10.55	12.90	13.90					
35.0	3.21	4.10	5.19	6.53	8.12	10.00	12.25	13.20	14.80	16.25	17.75		
40.0	3.01	3.85	4.89	6.14	7.65	9.45	11.55	12.50	14.00	15.40	16.85	20.10	
45.0	2.83	3.61	4.57	5.75	7.17	8.87	10.85	11.75	13.20	14.50	15.90	19.00	
50.0		3.37	4.26	5.36	6.68	8.27	10.15	11.00	12.35	13.60	14.95	17.85	
55.0			3.95	4.95	6.18	7.66	9.43	10.20	11.50	12.65	13.90	16.70	
60.0				4.55	5.68	7.04	8.68	9.42	10.60	11.70	12.90	15.50	
65.0					5.16	6.41	7.91	8.60	9.71	10.75	11.85		
67.0						6.15	7.60	8.26	9.34	10.35	11.40		

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
17.0	1.41	1.45	1.50									
20.0	1.50	1.54	1.59	1.64								
25.0	1.66	1.70	1.76	1.80	1.86	1.92						
30.0	1.82	1.88	1.94	1.98	2.04	2.10	2.16	2.19				
35.0	2.00	2.07	2.13	2.19	2.25	2.31	2.37	2.40	2.44	2.49	2.53	
40.0	2.19	2.27	2.35	2.41	2.48	2.54	2.61	2.64	2.68	2.72	2.76	2.86
45.0	2.41	2.50	2.59	2.66	2.74	2.81	2.88	2.91	2.95	2.99	3.03	3.13
50.0		2.75	2.85	2.94	3.03	3.10	3.18	3.21	3.26	3.30	3.34	3.44
55.0			3.15	3.25	3.35	3.44	3.52	3.55	3.61	3.65	3.69	3.79
60.0				3.59	3.71	3.81	3.90	3.94	4.00	4.04	4.09	4.19
65.0					4.10	4.22	4.33	4.37	4.43	4.48	4.53	
67.0						4.39	4.51	4.55	4.62	4.67	4.73	

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
17.0	4.04	4.07	4.11									
20.0	4.11	4.15	4.18	4.22								
25.0	4.24	4.28	4.32	4.36	4.41	4.46						
30.0	4.38	4.43	4.48	4.53	4.58	4.63	4.70	4.73				
35.0	4.54	4.61	4.67	4.72	4.78	4.84	4.90	4.93	4.98	5.02	5.07	
40.0	4.72	4.81	4.88	4.95	5.01	5.08	5.15	5.18	5.22	5.27	5.31	5.41
45.0	4.94	5.04	5.13	5.21	5.28	5.36	5.43	5.46	5.51	5.56	5.60	5.71
50.0		5.30	5.41	5.51	5.60	5.68	5.77	5.80	5.85	5.90	5.95	6.06
55.0			5.73	5.85	5.95	6.05	6.15	6.19	6.25	6.30	6.35	6.46
60.0				6.24	6.36	6.48	6.59	6.64	6.70	6.76	6.82	6.93
65.0					6.83	6.96	7.09	7.14	7.22	7.28	7.34	
67.0						7.17	7.31	7.36	7.44	7.51	7.57	

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
17.0	20.90	26.00	32.30									
20.0	20.80	25.90	32.20	39.60								
25.0	20.50	25.70	31.90	39.40	48.20	58.40						
30.0	20.30	25.40	31.60	39.00	47.80	58.00	69.70	74.90				
35.0	20.00	25.10	31.30	38.70	47.40	57.50	69.20	74.30	82.60	89.90	97.70	
40.0	19.85	24.90	31.00	38.20	46.90	56.90	68.50	73.70	81.90	89.20	97.00	114.00
45.0	19.70	24.60	30.60	37.80	46.30	56.20	67.80	72.90	81.10	88.40	96.20	113.50
50.0		24.40	30.30	37.30	45.70	55.50	67.00	72.00	80.20	87.50	95.30	112.50
55.0			29.90	36.80	45.00	54.70	66.00	71.10	79.20	86.50	94.20	111.50
60.0				36.30	44.30	53.80	65.10	70.00	78.10	85.40	93.10	110.50
65.0					43.60	52.90	64.00	69.00	77.00	84.20	92.00	
67.0						52.60	63.60	68.50	76.50	83.80	91.50	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	11.4
Length/Width, mm	253/248
Height, mm	417
Net Weight, kg	28.5
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.45
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (19)
Sound Pressure @ 1m (MT), dBA	60
Sound Power (MT), dBA	71
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
Max. Low Side Internal Free Volume, l	4.8
Max. High Side Internal Free Volume, l	0.5
Max. Internal Free Volume, l	5.30
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	1774
Refrigerant's classification	A1

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

Maximum Operating Current, A	8.8
Locked Rotor Current, A	50
Winding Resistance, ohm	3.88
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED**ACCESSORIES OPTIONAL**

Crankcase Heater	70 W External
Discharge Temperature Protection	Discharge line thermostat
Mounting Grommets	Standard
Oil Control System	ALCO Trax-Oil OM3

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