



Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 5 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
17.0	18.20	23.00	28.70									
20.0	17.70	22.40	28.10	34.80								
25.0	16.85	21.40	26.90	33.50	41.20	50.20						
30.0	15.95	20.40	25.70	32.00	39.40	48.00	58.10	62.50	69.60			
35.0	15.00	19.30	24.40	30.40	37.50	45.80	55.40	59.60	66.50	72.60	79.10	
40.0	14.05	18.15	23.00	28.80	35.50	43.40	52.60	56.70	63.20	69.00	75.30	89.10
45.0	13.05	17.00	21.60	27.10	33.50	41.00	49.70	53.50	59.70	65.30	71.30	84.50
50.0	12.05	15.80	20.20	25.30	31.30	38.40	46.60	50.30	56.20	61.50	67.20	79.70
55.0			18.65	23.50	29.10	35.80	43.50	47.00	52.50	57.50	62.90	74.80
60.0				21.60	26.80	33.00	40.30	43.50	48.80	53.50	58.60	69.80
65.0					24.50	30.20	37.00	40.00	44.90	49.30	54.10	
67.0					23.60	29.10	35.70	38.60	43.30	47.60	52.30	

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	5.23	5.75	6.27									
20.0	5.77	6.28	6.78	7.30								
25.0	6.60	7.11	7.60	8.09	8.60	9.15						
30.0	7.36	7.89	8.39	8.88	9.37	9.88	10.45	10.70	11.05			
35.0	8.06	8.65	9.18	9.68	10.15	10.65	11.20	11.40	11.75	12.10	12.40	
40.0	8.73	9.39	9.98	10.50	11.05	11.55	12.05	12.25	12.60	12.90	13.20	13.90
45.0	9.39	10.15	10.80	11.40	11.95	12.50	13.05	13.25	13.60	13.90	14.20	14.85
50.0	10.05	10.90	11.70	12.35	13.00	13.60	14.15	14.40	14.75	15.05	15.35	16.00
55.0			12.60	13.40	14.15	14.80	15.45	15.70	16.05	16.35	16.70	17.35
60.0				14.55	15.40	16.15	16.90	17.15	17.60	17.90	18.25	18.95
65.0					16.80	17.70	18.55	18.85	19.30	19.70	20.10	
67.0					17.45	18.35	19.25	19.60	20.10	20.50	20.90	

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	16.48	16.89	17.34									
20.0	16.98	17.39	17.83	18.30								
25.0	17.73	18.17	18.61	19.07	19.57	20.14						
30.0	18.43	18.91	19.38	19.85	20.34	20.89	21.51	21.78	22.23			
35.0	19.07	19.64	20.17	20.68	21.20	21.75	22.35	22.61	23.03	23.40	23.81	
40.0	19.71	20.39	21.01	21.59	22.16	22.74	23.35	23.61	24.02	24.39	24.78	25.63
45.0	20.35	21.17	21.91	22.60	23.25	23.89	24.55	24.82	25.24	25.61	26.00	26.84
50.0	21.03	22.03	22.92	23.73	24.50	25.23	25.96	26.26	26.71	27.10	27.50	28.35
55.0			24.05	25.03	25.93	26.79	27.62	27.95	28.45	28.88	29.31	30.21
60.0				26.50	27.58	28.59	29.56	29.93	30.50	30.97	31.45	32.42
65.0					29.46	30.66	31.79	32.22	32.87	33.41	33.95	
67.0					30.29	31.56	32.77	33.23	33.92	34.49	35.05	

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	90.60	112.50	139.00									
20.0	90.20	112.50	139.00	170.00								
25.0	89.20	111.50	138.00	169.00	205.00	247.00						
30.0	88.00	110.50	137.00	168.00	204.00	246.00	293.00	314.00	347.00			
35.0	86.50	109.50	136.00	166.50	202.00	244.00	291.00	311.00	344.00	373.00	405.00	
40.0	84.70	107.50	134.00	165.00	200.00	241.00	288.00	308.00	341.00	370.00	401.00	469.00
45.0	82.80	105.50	132.00	162.50	197.50	238.00	284.00	305.00	337.00	366.00	397.00	464.00
50.0	80.60	103.50	129.50	160.00	194.50	235.00	280.00	300.00	333.00	361.00	392.00	459.00
55.0			127.00	156.50	191.00	230.00	276.00	296.00	327.00	356.00	386.00	453.00
60.0				153.00	187.00	226.00	270.00	290.00	322.00	350.00	380.00	446.00
65.0					182.00	220.00	264.00	284.00	315.00	343.00	373.00	
67.0					180.50	218.00	262.00	281.00	313.00	341.00	371.00	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	48.3
Length/Width, mm	284/289
Height, mm	551
Net Weight, kg	68.2
Stub Suction, inch	1 3/8
Stub Discharge, inch	7/8
Oil Quantity, l	3.58
Oil type (original charge)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (0)
Sound Pressure @ 1m (HT), dBA	71
Sound Power (HT), dBA	82
Sound Power with Sound Shell (HT), dBA	72
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	-7 / 50 / 3 °C at 50 Hz
PED Category	3
Max. Low Side Internal Free Volume, l	12.6
Max. High Side Internal Free Volume, l	1.5
Max. Internal Free Volume, l	14.1
High Side PS gauge, bar	50
Low Side PS gauge, bar	30.4
Low Side TS Max., °C	55
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	39
Locked Rotor Current, A	186
Winding Resistance, ohm	0.79
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