



Minimum Evaporating Temp. With:

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

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW														
	-35.0	-30.0	-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
10.0															
15.0															
20.0											65.40				
25.0											62.30	67.70			
30.0											59.20	64.30			
35.0											56.00	60.90			
40.0											52.80	57.30			
45.0											49.50	53.70			
50.0											46.10	50.00			
55.0											42.60	46.20			
60.0											39.00	42.30			
65.0											35.30	38.30			
70.0											31.40	34.10			

Cond °C	Power, kW														
	-35.0	-30.0	-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
10.0															
15.0															
20.0											9.98				
25.0											10.35	10.75			
30.0											10.80	11.20			
35.0											11.35	11.70			
40.0											12.00	12.30			
45.0											12.80	13.10			
50.0											13.75	14.10			
55.0											14.95	15.30			
60.0											16.40	16.75			
65.0											18.15	18.50			
70.0											20.20	20.60			

Cond °C	Current at 400 V, A														
	-35.0	-30.0	-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
10.0															
15.0															
20.0											20.67				
25.0											21.09	21.56			
30.0											21.61	22.06			
35.0											22.27	22.69			
40.0											23.08	23.48			
45.0											24.07	24.45			
50.0											25.25	25.62			
55.0											26.65	27.01			
60.0											28.29	28.65			
65.0											30.19	30.56			
70.0											32.37	32.75			

Cond °C	Suction Mass Flow, g/s															
	-35.0	-30.0	-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	
10.0																
15.0																
20.0											353.00					
25.0											351.00	384.00				
30.0											349.00	381.00				
35.0											346.00	379.00				
40.0											343.00	376.00				
45.0											340.00	372.00				
50.0											337.00	369.00				
55.0											333.00	365.00				
60.0											329.00	361.00				
65.0											325.00	356.00				
70.0											321.00	353.00				

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:	-7 / 50 / 3 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
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	148
Refrigerant's classification	A2L

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