



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											56.90					
25.0											54.70	59.50				
30.0											52.30	56.80				
35.0											49.70	54.00				
40.0											46.90	50.90				
45.0											43.90	47.60				
50.0											40.70	44.20				
55.0											37.30	40.50				
60.0											33.80	36.70				
65.0											30.10	32.60				
70.0											26.20	28.50				

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											8.75				
25.0											8.92	9.37			
30.0											9.24	9.64			
35.0											9.70	10.05			
40.0											10.30	10.65			
45.0											11.10	11.35			
50.0											12.00	12.30			
55.0											13.10	13.35			
60.0											14.35	14.60			
65.0											15.75	16.00			
70.0											17.35	17.60			

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											15.26				
25.0											15.47	16.09			
30.0											15.88	16.43			
35.0											16.50	16.99			
40.0											17.35	17.79			
45.0											18.42	18.83			
50.0											19.74	20.12			
55.0											21.30	21.67			
60.0											23.12	23.49			
65.0											25.21	25.58			
70.0											27.57	27.96			

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											307.00					
25.0											308.00	337.00				
30.0											308.00	337.00				
35.0											307.00	336.00				
40.0											305.00	334.00				
45.0											302.00	330.00				
50.0											297.00	325.00				
55.0											292.00	320.00				
60.0											285.00	312.00				
65.0											277.00	304.00				
70.0											268.00	294.00				

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	42.4
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	71
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	34
Locked Rotor Current, A	141
Winding Resistance, ohm	0.99
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