



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW													
	-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
17.0	7.11	8.55	10.20	12.10	14.20									
20.0	6.99	8.44	10.10	11.95	14.10	16.45								
25.0	6.79	8.24	9.89	11.75	13.85	16.20	18.80							
30.0	6.56	8.02	9.66	11.50	13.60	15.90	18.45	21.30	22.50	24.40				
35.0	6.31	7.77	9.41	11.25	13.30	15.55	18.10	20.90	22.00	23.90	25.60	27.30	31.00	
40.0	6.04	7.50	9.13	10.95	12.95	15.20	17.65	20.40	21.60	23.40	25.00	26.70	30.30	34.20
45.0		7.21	8.83	10.60	12.60	14.80	17.20	19.90	21.00	22.80	24.40	26.00	29.50	33.30
50.0		6.89	8.50	10.25	12.20	14.35	16.75	19.35	20.50	22.20	23.70	25.30	28.70	32.50
55.0			8.13	9.88	11.80	13.90	16.20	18.75	19.85	21.50	23.00	24.60	27.90	31.50
60.0				9.45	11.35	13.40	15.65	18.10	19.20	20.80	22.30	23.80	27.00	30.50
65.0					10.85	12.85	15.05	17.45	18.45	20.10	21.50	22.90		
68.0					10.50	12.50	14.65	17.00	18.00	19.60				

Cond °C	Power, kW													
	-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
17.0	2.74	2.73	2.72	2.72	2.72									
20.0	2.91	2.91	2.91	2.90	2.89	2.90								
25.0	3.22	3.23	3.23	3.23	3.22	3.21	3.21							
30.0	3.54	3.57	3.59	3.59	3.58	3.57	3.56	3.56	3.56	3.57				
35.0	3.89	3.95	3.99	4.00	4.00	3.99	3.98	3.96	3.96	3.96	3.96	3.96	3.99	
40.0	4.28	4.37	4.44	4.47	4.48	4.48	4.47	4.45	4.44	4.43	4.42	4.42	4.42	4.43
45.0		4.85	4.95	5.01	5.04	5.05	5.04	5.02	5.02	5.00	4.99	4.98	4.96	4.95
50.0		5.39	5.53	5.62	5.68	5.71	5.71	5.70	5.69	5.68	5.66	5.65	5.61	5.58
55.0			6.19	6.32	6.41	6.46	6.49	6.49	6.48	6.47	6.46	6.44	6.40	6.36
60.0				7.11	7.24	7.33	7.38	7.40	7.40	7.39	7.38	7.36	7.32	7.28
65.0					8.19	8.31	8.39	8.43	8.44	8.45	8.44	8.43		
68.0					8.81	8.96	9.06	9.12	9.14	9.15				

Cond °C	Current at 400 V, A													
	-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
17.0	7.89	7.87	7.85	7.84	7.85									
20.0	8.10	8.08	8.07	8.06	8.05	8.06								
25.0	8.42	8.42	8.41	8.40	8.39	8.39	8.40							
30.0	8.73	8.75	8.76	8.76	8.75	8.74	8.73	8.73	8.74	8.75				
35.0	9.05	9.11	9.14	9.15	9.15	9.14	9.13	9.11	9.11	9.11	9.11	9.12	9.15	
40.0	9.42	9.51	9.58	9.61	9.62	9.62	9.61	9.59	9.58	9.57	9.56	9.56	9.55	9.57
45.0		9.99	10.09	10.16	10.20	10.21	10.20	10.18	10.17	10.16	10.14	10.13	10.10	10.09
50.0		10.57	10.72	10.82	10.89	10.92	10.93	10.92	10.91	10.90	10.88	10.86	10.82	10.78
55.0			11.48	11.63	11.73	11.80	11.83	11.83	11.83	11.82	11.80	11.78	11.73	11.68
60.0				12.60	12.75	12.86	12.92	12.95	12.95	12.94	12.93	12.91	12.87	12.80
65.0					13.97	14.12	14.23	14.28	14.29	14.30	14.30	14.29		
68.0					14.82	15.00	15.12	15.20	15.22	15.24				

Cond °C	Suction Mass Flow, g/s														
	-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	
17.0	30.20	36.80	44.50	53.50	63.90										
20.0	29.90	36.60	44.40	53.40	63.90	75.90									
25.0	29.40	36.20	44.10	53.20	63.70	75.80	89.70								
30.0	28.80	35.70	43.70	52.90	63.40	75.50	89.40	105.50	112.50	123.50					
35.0	28.10	35.10	43.10	52.40	63.00	75.10	89.00	105.00	112.00	123.00	133.50	144.00	168.00		
40.0	27.30	34.30	42.40	51.70	62.40	74.50	88.40	104.50	111.50	122.50	132.50	143.50	167.50	195.50	
45.0		33.50	41.60	50.90	61.60	73.70	87.60	103.50	110.50	122.00	132.00	142.50	167.00	194.50	
50.0		32.50	40.70	50.00	60.60	72.80	86.60	102.50	109.50	120.50	131.00	141.50	166.00	194.00	
55.0			39.50	48.90	59.50	71.60	85.40	101.00	108.00	119.50	129.50	140.50	164.50	192.50	
60.0				47.50	58.10	70.20	83.90	99.70	106.50	118.00	128.00	138.50	163.00	191.00	
65.0					56.50	68.50	82.20	97.90	105.00	116.00	126.00	137.00			
68.0					55.50	67.40	81.00	96.60	103.50	114.50					

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	11.7
Length/Width, mm	249/245
Height, mm	443
Net Weight, kg	39.5
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Stub Injection, inch	1/2
Oil Quantity, l	1.89
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	66
Sound Power (HT), dBA	77
Sound Conditions (HT, Temperatures:	-7 / 50 / 3 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	1
Max. Low Side Internal Free Volume, l	5.5
Max. High Side Internal Free Volume, l	0.6
Max. Internal Free Volume, l	6.10
High Side PS gauge, bar	47
Low Side PS gauge, bar	28
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	2088
Refrigerant's classification	A1

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

Maximum Operating Current, A	16
Locked Rotor Current, A	101
Winding Resistance, ohm	1.79
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
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MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TFM	380-420 V / 3~ / 50 Hz	400		Y	1.00