



Minimum Evaporating Temp. With:

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

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW											
	-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	11.10	13.45	16.10	19.10								
15.0	10.60	12.90	15.50	18.45	21.80							
20.0	10.00	12.25	14.85	17.75	21.10	24.80						
25.0	9.40	11.60	14.10	16.95	20.20	23.90	25.50	28.10				
30.0	8.76	10.90	13.30	16.10	19.25	22.80	24.40	26.90	29.10	31.50		
35.0	8.10	10.15	12.50	15.15	18.20	21.70	23.20	25.60	27.80	30.10		
40.0	7.42	9.39	11.60	14.15	17.10	20.40	21.90	24.20	26.30	28.50	33.40	
45.0		8.59	10.70	13.15	15.90	19.10	20.50	22.70	24.70	26.90	31.60	36.80
50.0			9.76	12.05	14.65	17.65	19.00	21.10	23.00	25.10	29.60	34.60
55.0				10.90	13.35	16.15	17.40	19.45	21.20	23.20	27.40	32.30
60.0					11.95	14.55	15.75	17.60	19.30	21.10	25.10	29.60
65.0						12.80	13.85	15.55	17.10			

Cond °C	Power, kW											
	-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	1.92	1.94	1.98	2.02								
15.0	2.28	2.31	2.34	2.39	2.45							
20.0	2.65	2.68	2.71	2.75	2.82	2.90						
25.0	3.03	3.06	3.10	3.14	3.19	3.27	3.31	3.38				
30.0	3.45	3.48	3.51	3.55	3.60	3.67	3.70	3.76	3.82	3.89		
35.0	3.91	3.94	3.97	4.00	4.04	4.10	4.13	4.18	4.24	4.30		
40.0	4.43	4.46	4.48	4.51	4.54	4.59	4.61	4.66	4.70	4.75	4.88	
45.0		5.05	5.07	5.08	5.10	5.14	5.16	5.19	5.23	5.27	5.38	5.53
50.0			5.73	5.74	5.75	5.77	5.78	5.81	5.84	5.87	5.96	6.09
55.0				6.49	6.49	6.49	6.50	6.51	6.53	6.56	6.62	6.73
60.0					7.34	7.33	7.32	7.33	7.33	7.35	7.39	7.47
65.0						8.28	8.27	8.26	8.25			

Cond °C	Current at 400 V, A											
	-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	6.33	6.34	6.36	6.39								
15.0	6.69	6.71	6.74	6.78	6.83							
20.0	7.06	7.09	7.13	7.17	7.23	7.31						
25.0	7.47	7.51	7.55	7.59	7.65	7.73	7.77	7.84				
30.0	7.94	7.98	8.02	8.06	8.11	8.19	8.23	8.30	8.36	8.44		
35.0	8.48	8.52	8.55	8.59	8.64	8.71	8.75	8.81	8.87	8.95		
40.0	9.12	9.16	9.18	9.21	9.26	9.32	9.35	9.41	9.46	9.53	9.69	
45.0		9.91	9.92	9.95	9.98	10.02	10.05	10.10	10.15	10.21	10.36	10.56
50.0			10.80	10.80	10.82	10.85	10.87	10.91	10.95	11.00	11.13	11.31
55.0				11.81	11.81	11.83	11.84	11.86	11.89	11.93	12.04	12.20
60.0					12.97	12.96	12.97	12.98	13.00	13.02	13.11	13.24
65.0						14.28	14.28	14.27	14.28			

Cond °C	Suction Mass Flow, g/s											
	-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	53.50	64.00	75.80	89.10								
15.0	53.00	63.70	75.80	89.50	105.00							
20.0	52.20	63.20	75.60	89.50	105.00	123.00						
25.0	51.20	62.40	75.00	89.20	105.00	123.00	131.00	143.50				
30.0	50.00	61.40	74.20	88.60	105.00	123.00	131.00	143.50	155.00	167.00		
35.0	48.70	60.20	73.10	87.60	104.00	122.50	130.50	143.50	155.00	167.00		
40.0	47.20	58.80	71.80	86.40	103.00	122.00	130.00	143.00	154.50	167.00	194.00	
45.0		57.20	70.30	85.00	101.50	120.50	129.00	142.00	154.00	166.50	194.00	225.00
50.0			68.50	83.30	100.00	119.00	127.50	141.00	153.00	165.50	193.50	225.00
55.0				81.40	98.20	117.50	126.00	139.50	151.50	164.50	192.50	225.00
60.0					96.20	115.50	124.00	138.00	150.00	163.00	192.00	225.00
65.0						114.00	122.50	136.50	149.00			

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	13.4
Length/Width, mm	246/246
Height, mm	443
Net Weight, kg	39.5
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.77
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 (HT), dBA	61
Sound Power (HT), dBA	72
Sound Power with Sound Shell (HT), dBA	67
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	I
Max. Internal Free Volume, l	4.30
High Side PS gauge, bar	45
Low Side PS gauge, bar	29.5
Low 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	15
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	Rubber Grommet For Single

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Enclosure Class	IP 54

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
TF5	200-220 V / 3~ / 50 Hz	200		Y	2.09
TFE	500 V / 3~ / 50 Hz	500		Y	0.80
TFD	460 V / 3~ / 60 Hz	460		Y	1.04
TF5	200-230 V / 3~ / 60 Hz	230		Y	2.09
TFE	575 V / 3~ / 60 Hz	575		Y	0.80
TF7	380 V / 3~ / 60 Hz	380		Y	1.26