



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

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
10.0	12.95	16.20	20.00	24.40	29.30	34.90								
15.0	11.80	15.05	18.80	23.10	28.00	33.50	39.60							
20.0	10.75	13.95	17.65	21.90	26.70	32.00	38.00	44.70						
25.0	9.70	12.85	16.45	20.60	25.30	30.50	36.40	42.90	50.00					
30.0	8.66	11.70	15.25	19.30	23.80	28.90	34.60	40.90	43.60	47.90	51.60	55.50		
35.0		10.60	14.00	17.90	22.30	27.30	32.80	38.90	41.50	45.60	49.20	52.90		
40.0			12.70	16.45	20.70	25.50	30.80	36.70	39.20	43.10	46.60	50.20	58.00	
45.0				14.90	18.95	23.50	28.60	34.30	36.70	40.50	43.80	47.30	54.80	62.90
50.0					17.10	21.40	26.30	31.60	33.90	37.60	40.80	44.10	51.20	59.00
55.0						19.10	23.70	28.80	31.00	34.40	37.40	40.60	47.40	54.80
60.0							20.90	25.60	27.70	30.90	33.70	36.70	43.10	50.00
65.0								22.00	23.90	26.90	29.50	32.30	38.20	

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
10.0	4.27	4.08	3.94	3.84	3.80	3.80								
15.0	4.69	4.54	4.43	4.35	4.33	4.34	4.41							
20.0	5.15	5.03	4.94	4.89	4.88	4.90	4.97	5.08						
25.0	5.68	5.58	5.51	5.47	5.47	5.50	5.56	5.67	5.72	5.82				
30.0	6.29	6.21	6.16	6.13	6.13	6.15	6.21	6.30	6.35	6.43	6.51	6.60		
35.0		6.94	6.89	6.87	6.87	6.89	6.93	7.01	7.05	7.11	7.18	7.25		
40.0			7.75	7.72	7.71	7.72	7.75	7.80	7.83	7.88	7.93	7.98	8.12	
45.0				8.71	8.69	8.68	8.68	8.71	8.72	8.75	8.78	8.82	8.90	9.02
50.0					9.80	9.77	9.75	9.74	9.74	9.75	9.76	9.77	9.81	9.87
55.0						11.05	11.00	10.95	10.90	10.90	10.90	10.85	10.85	10.85
60.0							12.40	12.30	12.25	12.20	12.15	12.15	12.05	12.00
65.0								13.85	13.80	13.70	13.65	13.55	13.45	

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
10.0	11.31	11.34	11.33	11.29	11.19	11.05								
15.0	11.72	11.77	11.80	11.81	11.80	11.75	11.65							
20.0	12.22	12.26	12.30	12.35	12.38	12.39	12.38	12.33						
25.0	12.87	12.88	12.90	12.95	13.00	13.05	13.09	13.11	13.12	13.12				
30.0	13.76	13.69	13.67	13.68	13.71	13.77	13.83	13.90	13.93	13.97	14.00	14.02		
35.0		14.76	14.65	14.60	14.59	14.62	14.68	14.76	14.80	14.86	14.91	14.96		
40.0			15.92	15.78	15.70	15.67	15.70	15.76	15.79	15.85	15.91	15.98	16.11	
45.0				17.28	17.09	16.98	16.93	16.95	16.97	17.01	17.06	17.12	17.27	17.45
50.0					18.83	18.61	18.46	18.40	18.39	18.40	18.43	18.47	18.59	18.76
55.0						20.61	20.34	20.17	20.12	20.08	20.07	20.08	20.15	20.28
60.0							22.64	22.33	22.23	22.12	22.05	22.01	21.99	22.06
65.0								24.93	24.78	24.57	24.44	24.33	24.20	

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
10.0	63.90	79.00	96.40	116.00	138.50	163.00								
15.0	60.60	76.30	94.20	114.50	137.00	162.50	190.50							
20.0	57.50	73.60	92.00	112.50	136.00	161.50	190.00	221.00						
25.0	54.30	70.90	89.70	111.00	134.50	160.50	189.50	221.00	235.00	256.00				
30.0	50.90	67.90	87.10	108.50	133.00	159.50	188.50	221.00	235.00	256.00	275.00	294.00		
35.0		64.60	84.20	106.00	130.50	157.50	187.50	220.00	234.00	256.00	275.00	294.00		
40.0			80.70	103.00	128.00	155.50	185.50	219.00	233.00	255.00	274.00	294.00	337.00	
45.0				99.20	124.50	152.50	183.00	216.00	231.00	253.00	273.00	293.00	336.00	383.00
50.0					120.00	148.00	179.50	213.00	228.00	251.00	270.00	291.00	335.00	383.00
55.0						143.00	174.50	209.00	224.00	247.00	267.00	288.00	333.00	382.00
60.0							168.00	203.00	218.00	242.00	262.00	284.00	330.00	380.00
65.0								196.00	211.00	236.00	257.00	279.00	326.00	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	23.1
Length/Width, mm	270/262
Height, mm	559
Net Weight, kg	49
Stub Suction, inch	1 1/8
Stub Discharge, inch	7/8
Oil Quantity, l	2.75
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	63
Sound Power (HT), dBA	74
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	2
Max. Internal Free Volume, l	7.70
High Side PS gauge, bar	45
Low Side PS gauge, bar	29.5
Low Side TS Max., °C	50
Low Side TS Min., °C	-29
Refrigerant's GWP	2088
Refrigerant's classification	A1

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

Maximum Operating Current, A	25.2
Locked Rotor Current, A	146
Winding Resistance, ohm	1.14
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	ASTP Therm-O-Disc In Scroll
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ACCESSORIES OPTIONAL

Mounting Grommets	Hard Mounts for Paralleling
Mounting Grommets	Rubber Grommet For Single

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