



Minimum Evaporating Temp. With:	
— 10 K Suction Superheat	— 20 K Suction Superheat
— 35 °C Suction Gas Return	— 5 K Suction Superheat Wet Injection OEM envelope
— 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
10.0	11.10	13.35	16.00	19.00	22.50	26.40								
15.0	11.10	13.40	16.10	19.20	22.70	26.70	31.10							
20.0	10.95	13.40	16.15	19.25	22.80	26.80	31.20	36.00						
25.0	10.75	13.20	16.05	19.20	22.80	26.70	31.10	35.90	38.00	41.20				
30.0	10.40	12.95	15.80	19.00	22.60	26.50	30.80	35.60	37.60	40.80	43.60	46.50		
35.0	10.00	12.60	15.50	18.70	22.20	26.10	30.40	35.10	37.10	40.30	43.00	45.80	51.90	
40.0	9.50	12.10	15.05	18.20	21.70	25.60	29.80	34.50	36.40	39.50	42.20	45.00	50.90	57.40
45.0		11.55	14.45	17.65	21.10	25.00	29.10	33.70	35.60	38.60	41.20	44.00	49.80	56.00
50.0			13.80	16.95	20.40	24.20	28.20	32.70	34.60	37.50	40.10	42.70	48.40	54.50
55.0				16.15	19.55	23.20	27.20	31.60	33.40	36.30	38.80	41.40	46.90	52.80
60.0					18.60	22.20	26.10	30.30	32.10	34.90	37.30	39.80	45.20	50.90
65.0						21.00	24.80	29.00	30.70	33.40	35.70	38.20		
68.0							20.30	24.00	28.10	29.80	32.40	34.70		

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	3.69	3.67	3.63	3.61	3.63	3.74								
15.0	4.27	4.25	4.21	4.16	4.14	4.17	4.29							
20.0	4.82	4.83	4.79	4.73	4.68	4.66	4.71	4.85						
25.0	5.36	5.42	5.40	5.34	5.27	5.21	5.21	5.27	5.33	5.45				
30.0	5.92	6.03	6.05	6.01	5.93	5.85	5.80	5.81	5.83	5.90	5.98	6.10		
35.0	6.50	6.68	6.75	6.74	6.68	6.59	6.51	6.47	6.47	6.49	6.53	6.61	6.85	
40.0	7.11	7.38	7.52	7.55	7.52	7.44	7.35	7.27	7.25	7.24	7.25	7.28	7.43	7.71
45.0		8.15	8.37	8.46	8.47	8.41	8.32	8.23	8.20	8.16	8.14	8.15	8.22	8.40
50.0			9.31	9.48	9.54	9.52	9.45	9.35	9.32	9.26	9.23	9.21	9.22	9.32
55.0				10.60	10.75	10.80	10.75	10.65	10.65	10.55	10.55	10.50	10.45	10.50
60.0					12.15	12.25	12.25	12.20	12.15	12.10	12.05	12.00	11.95	11.90
65.0						13.85	13.90	13.90	13.90	13.85	13.80	13.75		
68.0						14.90	15.00	15.05	15.00	15.00	14.95			

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	11.84	11.62	11.35	11.07	10.84	10.70								
15.0	12.43	12.29	12.08	11.84	11.61	11.44	11.38							
20.0	12.92	12.89	12.75	12.56	12.34	12.16	12.06	12.08						
25.0	13.36	13.45	13.40	13.26	13.07	12.89	12.76	12.72	12.74	12.82				
30.0	13.79	14.00	14.04	13.97	13.83	13.67	13.52	13.44	13.43	13.46	13.53	13.65		
35.0	14.22	14.57	14.73	14.75	14.66	14.52	14.37	14.26	14.24	14.23	14.26	14.33	14.59	
40.0	14.71	15.21	15.50	15.61	15.59	15.50	15.36	15.23	15.19	15.16	15.15	15.18	15.35	15.70
45.0		15.94	16.37	16.59	16.66	16.62	16.51	16.38	16.33	16.27	16.24	16.24	16.32	16.56
50.0			17.38	17.73	17.90	17.92	17.85	17.73	17.68	17.61	17.56	17.53	17.54	17.67
55.0				19.05	19.34	19.45	19.43	19.34	19.29	19.22	19.16	19.10	19.05	19.10
60.0					21.02	21.22	21.27	21.22	21.18	21.11	21.04	20.98	20.88	20.86
65.0						23.28	23.42	23.43	23.40	23.34	23.28	23.21		
68.0						24.64	24.84	24.88	24.87	24.83	24.77			

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	48.90	59.50	72.20	87.00	104.50	124.00								
15.0	48.80	59.90	73.00	88.20	105.50	126.00	149.00							
20.0	48.40	59.90	73.30	88.80	106.50	127.00	150.00	176.50						
25.0	47.50	59.40	73.10	88.90	107.00	127.50	151.00	177.50	189.00	207.00				
30.0	46.30	58.50	72.50	88.60	107.00	127.50	151.00	177.50	189.00	207.00	224.00	241.00		
35.0	44.70	57.20	71.40	87.70	106.00	127.00	150.50	177.50	189.00	207.00	224.00	241.00	279.00	
40.0	42.70	55.40	69.90	86.30	105.00	126.00	149.50	176.50	188.00	207.00	223.00	240.00	278.00	321.00
45.0		53.20	67.90	84.40	103.00	124.50	148.00	175.00	186.50	205.00	222.00	239.00	277.00	321.00
50.0			65.40	82.10	101.00	122.00	146.00	172.50	184.50	203.00	220.00	237.00	276.00	319.00
55.0				79.10	97.90	119.00	143.00	170.00	181.50	200.00	217.00	235.00	274.00	318.00
60.0					94.40	115.50	139.50	166.50	178.00	197.00	213.00	231.00	271.00	316.00
65.0						111.50	135.00	162.00	174.00	192.50	209.00	227.00		
68.0							108.50	132.00	159.00	171.00	189.50	207.00		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	19.8
Length/Width, mm	280/280
Height, mm	533
Net Weight, kg	62.5
Stub Suction, inch	1 3/8
Stub Discharge, inch	7/8
Stub Injection, inch	5/8
Oil Quantity, l	3.38
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	65
Sound Power (HT), dBA	76
Sound Conditions (HT, Temperatures:	-7 / 50 / 3 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	2
Max. Internal Free Volume, l	12.6
High Side PS gauge, bar	53
Low Side PS gauge, bar	29.5
Low Side TS Max., °C	50
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	26
Locked Rotor Current, A	140
Winding Resistance, ohm	1.1
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Enclosure Class	IP 54
Oil Charge	

ACCESSORIES OPTIONAL

Crankcase Heater	66 W External
Discharge Temp Protection	

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