



Minimum Evaporating Temp. With:

- 20 K Suction Superheat
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

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	26.90	33.80	42.30									
15.0	25.40	32.20	40.40	50.20								
20.0	24.00	30.50	38.40	47.90	59.10							
25.0	22.50	28.80	36.40	45.50	56.20	68.80	74.40					
30.0	21.00	27.10	34.30	43.00	53.30	65.30	70.70	79.30	87.00			
35.0	19.55	25.30	32.30	40.60	50.40	61.80	66.90	75.20	82.60	90.50		
40.0	18.05	23.60	30.20	38.10	47.40	58.30	63.20	71.00	78.10	85.60	102.50	121.00
45.0	16.55	21.80	28.10	35.60	44.40	54.80	59.40	66.80	73.50	80.70	96.60	114.50
50.0	15.05	20.10	26.00	33.10	41.40	51.20	55.60	62.60	69.00	75.80	90.90	108.00
55.0	13.50	18.30	23.90	30.60	38.40	47.60	51.70	58.40	64.40	70.80	85.20	101.50
60.0		16.50	21.80	28.00	35.40	44.00	47.90	54.10	59.80	65.90	79.40	94.90
65.0			19.70	25.50	32.40	40.40	44.10	49.90	55.20	60.90	73.60	
70.0			17.55	23.00	29.30	36.80	40.20	45.70	50.60	56.00	67.90	
75.0				20.40	26.30	33.30	36.40	41.40	46.00	51.00	62.20	
80.0				17.95	23.30	29.70	32.60	37.20	41.50	46.10		

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	6.21	6.62	6.89									
15.0	6.67	7.19	7.61	7.88								
20.0	7.08	7.72	8.27	8.70	8.98							
25.0	7.44	8.19	8.87	9.46	9.91	10.20	10.25					
30.0	7.75	8.61	9.43	10.15	10.80	11.25	11.40	11.55	11.65			
35.0	8.03	9.00	9.94	10.80	11.60	12.25	12.50	12.75	12.95	13.10		
40.0	8.27	9.34	10.40	11.40	12.35	13.20	13.50	13.95	14.20	14.45	14.80	14.95
45.0	8.48	9.65	10.85	12.00	13.10	14.10	14.50	15.05	15.45	15.80	16.35	16.75
50.0	8.67	9.93	11.25	12.50	13.80	15.00	15.45	16.10	16.60	17.05	17.85	18.50
55.0	8.83	10.20	11.60	13.00	14.45	15.80	16.30	17.10	17.70	18.30	19.30	20.20
60.0		10.40	11.95	13.50	15.05	16.60	17.20	18.05	18.75	19.45	20.70	21.90
65.0			12.25	13.90	15.65	17.35	18.00	19.00	19.80	20.60	22.10	
70.0			12.55	14.35	16.20	18.05	18.80	19.90	20.80	21.70	23.40	
75.0				14.75	16.70	18.75	19.55	20.80	21.80	22.80	24.70	
80.0				15.15	17.25	19.40	20.30	21.60	22.70	23.80		

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	17.59	17.62	17.52									
15.0	17.77	18.01	18.17	18.17								
20.0	17.96	18.43	18.83	19.11	19.21							
25.0	18.19	18.85	19.48	20.03	20.43	20.63	20.64					
30.0	18.42	19.27	20.13	20.93	21.63	22.15	22.29	22.43	22.47			
35.0	18.67	19.69	20.76	21.80	22.78	23.61	23.89	24.24	24.46	24.61		
40.0	18.92	20.10	21.36	22.64	23.88	25.01	25.42	25.98	26.38	26.72	27.17	27.27
45.0	19.16	20.50	21.94	23.44	24.93	26.35	26.88	27.64	28.21	28.73	29.57	30.10
50.0	19.40	20.87	22.49	24.19	25.92	27.62	28.27	29.21	29.96	30.65	31.87	32.81
55.0	19.62	21.22	23.00	24.89	26.85	28.81	29.57	30.70	31.60	32.47	34.05	35.39
60.0		21.53	23.46	25.53	27.71	29.91	30.79	32.09	33.15	34.18	36.11	37.84
65.0			23.86	26.11	28.49	30.93	31.91	33.38	34.59	35.77	38.05	
70.0			24.21	26.62	29.18	31.85	32.93	34.56	35.91	37.24	39.85	
75.0				27.04	29.79	32.67	33.85	35.62	37.11	38.59	41.51	
80.0				27.39	30.30	33.38	34.65	36.57	38.19	39.81		

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	139.00	172.00	212.00									
15.0	136.50	169.50	209.00	256.00								
20.0	133.50	167.00	206.00	253.00	307.00							
25.0	130.50	164.00	203.00	249.00	303.00	365.00	392.00					
30.0	127.50	160.50	200.00	246.00	299.00	360.00	387.00	429.00	467.00			
35.0	124.00	157.00	196.00	242.00	294.00	355.00	381.00	424.00	461.00	501.00		
40.0	120.00	153.00	192.00	237.00	289.00	349.00	375.00	417.00	455.00	494.00	580.00	676.00
45.0	115.50	149.00	187.50	232.00	284.00	343.00	369.00	411.00	447.00	487.00	572.00	667.00
50.0	110.50	144.00	183.00	227.00	278.00	337.00	362.00	403.00	440.00	479.00	563.00	658.00
55.0	105.50	139.00	177.50	221.00	272.00	330.00	355.00	396.00	432.00	470.00	554.00	648.00
60.0		133.50	171.50	215.00	265.00	322.00	347.00	387.00	423.00	461.00	544.00	637.00
65.0			165.50	209.00	258.00	314.00	339.00	378.00	414.00	451.00	534.00	
70.0			158.50	201.00	250.00	306.00	330.00	369.00	404.00	441.00	523.00	
75.0				193.00	241.00	296.00	320.00	359.00	394.00	431.00	512.00	
80.0				184.50	232.00	287.00	311.00	349.00	383.00	420.00		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	4
Displacement @ 50 Hz, m ³ /h	84.7
Bore/Stroke, mm	74.7/55.6
Length/Width, mm	690/535
Height, mm	495
Net Weight, kg	214
Gross Weight, kg	230
Suction, inch	2 1/8
Discharge, inch	1 3/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	3.3
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Base mounting (hole dia), mm	381 x 305 (18)
Sound Pressure @ 1m, dBA	74
Sound Power, dBA	85
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	52.5
Locked Rotor Current, A	221
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

<p>Additional Cooling Capacity Control Crankcase Heater Enclosure Class Oil Pressure Switch Unloaded start Deep Oil Sump Adapter Kit Check Valve Oil Control System</p>	<p>70 W Vertical Air Flow Fan Capacity Steps 50% 100 W Internal IP 56 OPS2 Electronic Switch Available Mounted For Parallel Operation For unloaded start operation ALCO Trax-Oil OM3</p>
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MOTOR OPTIONS

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
AWM	380-420 V / 3~ / 50 Hz	400	YY/Y	Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWL	380-420 V / 3~ / 50 Hz	400		Y	1.00
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
AWR	220-240 V / 3~ / 50 Hz	230	YY/Y	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YY/Y	Y	0.76
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	1.00
AWC	208-230 V / 3~ / 60 Hz	230	YY/Y	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YY/Y	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	1.00