



Minimum Evaporating Temp. With:

— 25 °C Suction Gas Return

— 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
10.0	21.30	26.80	33.40						
15.0	20.20	25.50	31.90	39.50					
20.0	18.95	24.10	30.30	37.60	46.20				
25.0	17.75	22.70	28.60	35.60	43.90	53.50			
30.0	16.50	21.30	26.90	33.70	41.60	50.80	54.90	61.50	67.50
35.0	15.25	19.80	25.20	31.70	39.30	48.10	52.10	58.40	64.10
40.0	14.00	18.35	23.50	29.70	36.90	45.40	49.10	55.20	60.70
45.0	12.70	16.85	21.80	27.60	34.50	42.60	46.20	52.00	57.20
50.0	11.45	15.35	20.00	25.50	32.10	39.70	43.20	48.70	53.70
55.0	10.15	13.85	18.25	23.40	29.60	36.90	40.10	45.40	50.20
60.0	8.86	12.35	16.45	21.30	27.10	34.00	37.10	42.10	46.60
62.0			15.75	20.50	26.10	32.80	35.80	40.70	45.20

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	4.89	5.09	5.15						
15.0	5.33	5.64	5.84	5.89					
20.0	5.74	6.16	6.48	6.67	6.70				
25.0	6.11	6.63	7.07	7.40	7.59	7.61			
30.0	6.44	7.07	7.63	8.10	8.44	8.63	8.65	8.63	8.56
35.0	6.75	7.48	8.16	8.76	9.24	9.60	9.69	9.78	9.80
40.0	7.03	7.86	8.65	9.38	10.00	10.50	10.70	10.90	11.00
45.0	7.29	8.21	9.12	9.97	10.75	11.40	11.65	11.95	12.15
50.0	7.52	8.54	9.56	10.55	11.45	12.30	12.55	13.00	13.30
55.0	7.74	8.85	9.97	11.05	12.10	13.10	13.45	14.00	14.35
60.0	7.94	9.14	10.35	11.60	12.75	13.90	14.35	14.95	15.40
62.0			10.50	11.80	13.00	14.20	14.65	15.30	15.85

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
10.0	13.35	13.54	13.61						
15.0	13.70	14.01	14.21	14.26					
20.0	14.07	14.49	14.83	15.04	15.07				
25.0	14.44	14.98	15.47	15.84	16.06	16.08			
30.0	14.81	15.47	16.10	16.65	17.06	17.29	17.32	17.29	17.18
35.0	15.16	15.95	16.73	17.45	18.06	18.51	18.63	18.75	18.77
40.0	15.50	16.42	17.35	18.24	19.05	19.72	19.94	20.21	20.37
45.0	15.80	16.85	17.94	19.01	20.02	20.92	21.24	21.66	21.95
50.0	16.06	17.25	18.49	19.75	20.97	22.10	22.51	23.08	23.51
55.0	16.27	17.60	19.01	20.45	21.88	23.24	23.75	24.48	25.04
60.0	16.43	17.90	19.47	21.10	22.74	24.33	24.95	25.84	26.54
62.0			19.64	21.35	23.07	24.76	25.42	26.37	27.12

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
10.0	118.00	145.50	178.50						
15.0	116.00	144.00	176.50	215.00					
20.0	114.00	142.00	174.50	213.00	257.00				
25.0	111.50	139.50	172.50	210.00	254.00	305.00			
30.0	108.50	137.00	169.50	208.00	252.00	302.00	324.00	359.00	390.00
35.0	105.50	134.00	166.50	205.00	249.00	299.00	321.00	356.00	387.00
40.0	102.00	130.50	163.50	201.00	245.00	295.00	317.00	352.00	383.00
45.0	98.00	127.00	159.50	198.00	241.00	292.00	313.00	349.00	380.00
50.0	93.70	122.50	155.50	193.50	237.00	287.00	309.00	345.00	376.00
55.0	88.90	118.00	151.00	189.00	233.00	283.00	305.00	340.00	372.00
60.0	83.50	113.00	146.00	184.00	228.00	278.00	300.00	335.00	367.00
62.0			144.00	182.00	226.00	276.00	298.00	333.00	365.00

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	4
Displacement @ 50 Hz, m³/h	70.8
Bore/Stroke, mm	68.3/55.6
Length/Width, mm	680/535
Height, mm	605
Net Weight, kg	205
Gross Weight, kg	221
Rotalock Discharge, inch	1 1/8
Suction, inch	1 5/8
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	71
Sound Power, dBA	82
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	35.3
Locked Rotor Current, A	156
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

**ACCESSORIES OPTIONAL**

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

**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