



Minimum Evaporating Temp. With:	
— 20 °C Suction Gas Return	— 0 °C Suction Gas Return
— 0 °C Suction Gas Return with add cooling	
— Maximum Evaporating Temperature	

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0			5.35	7.08	9.19	11.70	14.70			
10.0			4.97	6.60	8.59	10.95	13.75	17.05	20.80	25.10
15.0			4.58	6.12	7.99	10.20	12.85	15.95	19.50	23.60
20.0			4.20	5.64	7.40	9.49	11.95	14.85	18.20	22.10
25.0			3.82	5.17	6.81	8.77	11.10	13.80	16.95	20.60
30.0			3.44	4.70	6.23	8.05	10.20	12.75	15.65	19.05
35.0			3.07	4.24	5.65	7.34	9.34	11.70	14.45	17.60
40.0				3.78	5.08	6.64	8.48	10.65	13.20	16.15
45.0					4.52	5.95	7.64	9.63	11.95	14.70
50.0					3.97	5.26	6.80	8.62	10.75	13.25
55.0						4.59	5.98	7.62	9.57	11.85
60.0						3.92	5.16	6.64	8.39	
62.0							4.84	6.25	7.92	

Cond °C	Power, kW									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0			2.04	2.24	2.40	2.52	2.59			
10.0			2.13	2.37	2.58	2.75	2.87	2.95	2.96	2.91
15.0			2.20	2.47	2.73	2.95	3.13	3.27	3.35	3.37
20.0			2.24	2.56	2.85	3.13	3.36	3.56	3.71	3.80
25.0			2.27	2.62	2.96	3.28	3.57	3.83	4.05	4.21
30.0			2.28	2.67	3.05	3.42	3.76	4.08	4.36	4.60
35.0			2.27	2.69	3.12	3.53	3.93	4.31	4.65	4.96
40.0				2.71	3.17	3.63	4.09	4.52	4.93	5.31
45.0					3.21	3.72	4.22	4.71	5.19	5.63
50.0					3.24	3.79	4.35	4.90	5.43	5.94
55.0						3.85	4.46	5.06	5.66	6.24
60.0						3.90	4.56	5.22	5.88	
62.0							4.60	5.28	5.96	

Cond °C	Current at 400 V, A									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0			5.41	5.61	5.79	5.92	6.00			
10.0			5.48	5.73	5.95	6.15	6.30	6.39	6.42	6.36
15.0			5.55	5.84	6.11	6.37	6.59	6.76	6.87	6.92
20.0			5.60	5.93	6.26	6.57	6.86	7.12	7.33	7.47
25.0			5.64	6.01	6.39	6.77	7.13	7.47	7.77	8.01
30.0			5.65	6.07	6.50	6.94	7.38	7.80	8.19	8.54
35.0			5.65	6.11	6.60	7.10	7.62	8.12	8.61	9.06
40.0				6.13	6.67	7.25	7.83	8.42	9.00	9.56
45.0					6.73	7.36	8.03	8.70	9.38	10.04
50.0					6.75	7.46	8.20	8.96	9.73	10.51
55.0						7.53	8.35	9.20	10.07	10.95
60.0						7.57	8.47	9.41	10.37	
62.0							8.51	9.48	10.49	

Cond °C	Suction Mass Flow, g/s									
	-50.0	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0			28.60	38.00	49.50	63.40	79.80			
10.0			27.60	36.80	48.10	61.70	77.80	96.90	119.00	145.00
15.0			26.60	35.60	46.70	60.00	75.80	94.60	116.50	142.00
20.0			25.40	34.30	45.10	58.20	73.80	92.20	114.00	139.00
25.0			24.30	33.00	43.60	56.30	71.60	89.80	111.00	136.00
30.0			23.00	31.50	41.90	54.40	69.40	87.30	108.50	133.00
35.0			21.60	30.00	40.20	52.50	67.20	84.70	105.50	130.00
40.0				28.40	38.40	50.40	64.80	82.10	102.50	127.00
45.0					36.50	48.30	62.40	79.40	99.70	124.00
50.0					34.50	46.00	60.00	76.70	96.80	121.00
55.0						43.70	57.50	74.00	94.00	118.00
60.0						41.40	55.10	71.60	91.70	
62.0							54.20	70.80	91.00	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	23.7
Bore/Stroke, mm	63.6/42.9
Length/Width, mm	590/330
Height, mm	470
Net Weight, kg	131
Gross Weight, kg	140
Rotalock Discharge, inch	7/8
Suction, inch	1 3/8
Oil Quantity, l	2.3
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	295 x 279 (14)
Sound Pressure @ 1m, dBA	64
Sound Power, dBA	75
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	3922
Refrigerant's classification	A1

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

Maximum Operating Current, A	11.1
Locked Rotor Current, A	55
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

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

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
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
EWY	500-550 V / 3~ / 50 Hz	525	Y/DELTA	DELTA	0.76
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
TWY	500-550 V / 3~ / 50 Hz	525		DELTA	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
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