



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	16.45	20.90	26.30						
15.0	15.45	19.75	25.00	31.20					
20.0	14.40	18.55	23.50	29.50	36.60				
25.0	13.40	17.35	22.10	27.80	34.60	42.50			
30.0	12.35	16.15	20.70	26.10	32.60	40.10	43.50	48.90	53.70
35.0	11.30	14.90	19.25	24.40	30.60	37.80	41.00	46.10	50.80
40.0	10.30	13.70	17.85	22.70	28.60	35.40	38.50	43.40	47.90
45.0	9.29	12.50	16.40	21.00	26.60	33.10	36.00	40.70	44.90
50.0	8.29	11.35	14.95	19.35	24.50	30.70	33.40	37.90	42.00
55.0	7.32	10.15	13.55	17.65	22.50	28.30	30.90	35.20	39.00
60.0	6.38	9.01	12.15	15.95	20.50	26.00	28.40	32.40	36.00
62.0			11.60	15.30	19.75	25.00	27.40	31.30	34.90

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	3.81	3.88	3.84						
15.0	4.18	4.34	4.41	4.34					
20.0	4.50	4.76	4.93	4.99	4.90				
25.0	4.79	5.14	5.41	5.58	5.63	5.53			
30.0	5.05	5.47	5.85	6.13	6.31	6.35	6.33	6.24	6.11
35.0	5.27	5.78	6.25	6.65	6.95	7.13	7.17	7.17	7.13
40.0	5.47	6.06	6.62	7.12	7.55	7.87	7.97	8.06	8.10
45.0	5.65	6.31	6.96	7.57	8.12	8.57	8.73	8.91	9.03
50.0	5.81	6.54	7.27	7.99	8.65	9.24	9.45	9.73	9.92
55.0	5.95	6.75	7.57	8.38	9.16	9.88	10.15	10.50	10.80
60.0	6.09	6.95	7.85	8.76	9.64	10.50	10.80	11.25	11.60
62.0			7.96	8.90	9.83	10.70	11.05	11.55	11.95

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	9.36	9.31	9.14						
15.0	9.66	9.75	9.74	9.59					
20.0	9.94	10.17	10.31	10.34	10.20				
25.0	10.21	10.57	10.87	11.06	11.10	10.96			
30.0	10.46	10.96	11.40	11.76	11.98	12.04	12.00	11.88	11.71
35.0	10.70	11.32	11.92	12.43	12.84	13.08	13.13	13.14	13.08
40.0	10.93	11.67	12.41	13.08	13.66	14.10	14.23	14.36	14.41
45.0	11.13	12.01	12.88	13.71	14.46	15.09	15.30	15.55	15.71
50.0	11.32	12.32	13.33	14.31	15.24	16.05	16.33	16.71	16.98
55.0	11.50	12.61	13.76	14.89	15.98	16.98	17.34	17.84	18.21
60.0	11.65	12.88	14.16	15.45	16.70	17.87	18.31	18.93	19.41
62.0			14.32	15.66	16.98	18.22	18.69	19.36	19.88

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	91.00	113.50	140.50						
15.0	88.80	111.50	138.50	170.00					
20.0	86.50	109.00	136.00	167.00	203.00				
25.0	83.90	106.50	133.00	164.50	200.00	242.00			
30.0	81.10	103.50	130.50	161.50	197.00	238.00	256.00	285.00	310.00
35.0	78.20	100.50	127.00	158.00	193.50	235.00	252.00	281.00	306.00
40.0	75.00	97.50	124.00	154.50	190.00	231.00	248.00	277.00	302.00
45.0	71.60	94.10	120.00	150.50	186.00	226.00	244.00	273.00	298.00
50.0	68.00	90.40	116.50	146.50	181.50	222.00	240.00	268.00	294.00
55.0	64.10	86.50	112.50	142.50	177.00	217.00	235.00	263.00	289.00
60.0	60.10	82.30	108.00	137.50	172.50	212.00	230.00	258.00	284.00
62.0			106.00	136.00	170.50	210.00	228.00	256.00	282.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	4
Displacement @ 50 Hz, m³/h	56.0
Bore/Stroke, mm	63.5/50.8
Length/Width, mm	680/535
Height, mm	605
Net Weight, kg	179
Gross Weight, kg	195
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	70
Sound Power, dBA	81
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	26.8
Locked Rotor Current, A	105
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
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3
Enclosure Class	IP 56
Check Valve	For unloaded start operation

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
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