



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 20 K Suction Superheat
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	13.55	17.25	21.70	27.00	33.20					
15.0	12.70	16.20	20.40	25.40	31.40	38.30				
20.0	11.90	15.20	19.20	24.00	29.60	36.20	43.80	47.20		
25.0	11.15	14.25	18.05	22.50	27.90	34.10	41.40	44.60	49.80	54.50
30.0	10.45	13.35	16.90	21.20	26.20	32.10	39.00	42.10	47.00	51.40
35.0	9.74	12.50	15.85	19.85	24.60	30.20	36.70	39.60	44.20	48.40
40.0		11.70	14.80	18.55	23.00	28.30	34.40	37.10	41.50	45.50
45.0			13.85	17.35	21.50	26.50	32.20	34.80	38.90	42.70
50.0				16.20	20.10	24.70	30.10	32.50	36.40	39.90
55.0				15.05	18.70	23.00	28.00	30.20	33.90	37.20
60.0					17.35	21.30	26.00	28.10	31.40	34.50
62.0					16.80	20.70	25.20	27.20	30.50	33.50

Cond °C	Power, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	4.16	4.32	4.38	4.34	4.17					
15.0	4.49	4.73	4.88	4.93	4.86	4.67				
20.0	4.79	5.10	5.34	5.49	5.52	5.44	5.22	5.10		
25.0	5.05	5.44	5.77	6.01	6.15	6.18	6.09	6.01	5.85	5.68
30.0	5.27	5.75	6.17	6.51	6.76	6.90	6.93	6.91	6.83	6.72
35.0	5.46	6.02	6.53	6.97	7.33	7.59	7.75	7.78	7.78	7.75
40.0		6.27	6.87	7.41	7.88	8.27	8.55	8.63	8.72	8.76
45.0			7.18	7.83	8.41	8.92	9.33	9.47	9.64	9.75
50.0				8.22	8.92	9.55	10.10	10.30	10.55	10.75
55.0				8.59	9.41	10.15	10.85	11.10	11.45	11.70
60.0					9.88	10.75	11.60	11.90	12.30	12.65
62.0					10.05	11.00	11.85	12.20	12.65	13.05

Cond °C	Current at 400 V, A									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	9.70	9.67	9.53	9.27	8.90					
15.0	10.06	10.20	10.23	10.14	9.93	9.62				
20.0	10.38	10.68	10.88	10.96	10.92	10.78	10.51	10.37		
25.0	10.64	11.12	11.49	11.73	11.87	11.89	11.79	11.72	11.58	11.44
30.0	10.87	11.51	12.05	12.46	12.77	12.96	13.03	13.03	12.99	12.93
35.0	11.05	11.86	12.56	13.15	13.62	13.98	14.22	14.29	14.35	14.37
40.0		12.16	13.03	13.79	14.43	14.95	15.37	15.50	15.66	15.77
45.0			13.46	14.38	15.19	15.88	16.47	16.67	16.93	17.12
50.0				14.93	15.91	16.77	17.52	17.79	18.15	18.43
55.0				15.43	16.58	17.61	18.53	18.86	19.33	19.69
60.0					17.20	18.40	19.49	19.89	20.46	20.91
62.0					17.44	18.71	19.86	20.29	20.90	21.38

Cond °C	Suction Mass Flow, g/s									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	63.70	81.20	102.50	128.00	158.50					
15.0	61.50	78.60	99.40	124.50	154.50	189.50				
20.0	59.30	76.00	96.30	121.00	150.00	184.50	225.00	244.00		
25.0	57.30	73.60	93.40	117.50	146.00	180.00	220.00	238.00	267.00	294.00
30.0	55.40	71.20	90.60	114.00	142.00	175.00	214.00	232.00	261.00	287.00
35.0	53.60	69.00	87.80	110.50	138.00	170.50	209.00	226.00	255.00	280.00
40.0		66.90	85.20	107.50	134.00	166.00	204.00	221.00	249.00	274.00
45.0			82.80	104.50	130.50	161.50	198.50	215.00	243.00	268.00
50.0				101.50	127.00	157.50	193.50	210.00	237.00	261.00
55.0				98.90	123.50	153.00	188.50	205.00	231.00	255.00
60.0					120.50	149.50	184.00	200.00	226.00	249.00
62.0					119.50	148.00	182.50	198.00	224.00	247.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	3
Displacement @ 50 Hz, m³/h	38.0
Bore/Stroke, mm	60.4/50.8
Length/Width, mm	682/370
Height, mm	480
Net Weight, kg	159
Gross Weight, kg	174
Suction, inch	1 3/8
Discharge, inch	1 1/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	3.7
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)
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	21.6
Locked Rotor Current, A	106
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
Oil Pressure Switch	OPS2 Electronic Switch
Oil Control System	ALCO Trax-Oil OM3
Crankcase Heater	70 W Internal
Check Valve	For unloaded start operation
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
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