



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	37.10	47.20	59.30						
15.0	34.40	44.00	55.50	69.30					
20.0	31.70	40.90	51.80	64.90	80.20				
25.0	29.10	37.80	48.20	60.50	75.10	92.00			
30.0	26.60	34.80	44.60	56.30	70.10	86.10	93.20	104.50	115.00
35.0	24.10	31.80	41.10	52.10	65.10	80.30	87.10	97.90	107.50
40.0	21.70	29.00	37.70	48.00	60.30	74.70	81.00	91.30	100.50
45.0	19.40	26.20	34.30	44.10	55.60	69.10	75.10	84.90	93.70
50.0	17.25	23.60	31.10	40.20	50.90	63.60	69.30	78.50	86.80
55.0	15.20	21.10	28.10	36.50	46.50	58.30	63.60	72.30	80.10
60.0	13.30	18.70	25.10	32.80	42.10	53.10	58.10	66.20	73.50
62.0			24.00	31.40	40.40	51.10	55.90	63.80	70.90

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	9.82	10.50	11.00						
15.0	10.35	11.25	11.95	12.50					
20.0	10.85	11.90	12.85	13.60	14.15				
25.0	11.25	12.45	13.60	14.65	15.45	16.05			
30.0	11.60	13.00	14.35	15.60	16.65	17.55	17.85	18.20	18.40
35.0	11.85	13.45	15.00	16.45	17.80	19.00	19.40	19.95	20.30
40.0	12.15	13.85	15.60	17.30	18.90	20.40	20.90	21.60	22.20
45.0	12.35	14.25	16.15	18.05	19.95	21.70	22.30	23.30	24.00
50.0	12.60	14.60	16.70	18.80	20.90	22.90	23.70	24.80	25.70
55.0	12.80	14.95	17.20	19.55	21.90	24.20	25.10	26.40	27.40
60.0	13.00	15.30	17.70	20.20	22.80	25.40	26.40	27.80	29.10
62.0			17.90	20.50	23.20	25.80	26.90	28.40	29.70

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	21.08	21.79	22.21						
15.0	21.50	22.53	23.31	23.80					
20.0	21.92	23.24	24.38	25.28	25.90				
25.0	22.31	23.93	25.41	26.71	27.78	28.57			
30.0	22.69	24.58	26.40	28.09	29.60	30.89	31.33	31.90	32.29
35.0	23.03	25.19	27.34	29.40	31.35	33.12	33.77	34.67	35.35
40.0	23.33	25.76	28.21	30.65	33.02	35.27	36.12	37.35	38.32
45.0	23.58	26.27	29.03	31.82	34.60	37.32	38.38	39.93	41.17
50.0	23.79	26.71	29.77	32.92	36.10	39.27	40.53	42.39	43.91
55.0	23.93	27.09	30.43	33.92	37.50	41.12	42.57	44.74	46.53
60.0	24.01	27.39	31.01	34.83	38.79	42.85	44.49	46.96	49.02
62.0			31.22	35.16	39.28	43.51	45.23	47.81	49.98

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	205.00	256.00	316.00						
15.0	198.00	248.00	308.00	377.00					
20.0	190.50	240.00	299.00	368.00	446.00				
25.0	182.50	232.00	290.00	358.00	435.00	523.00			
30.0	174.50	223.00	281.00	347.00	424.00	511.00	549.00	610.00	664.00
35.0	166.50	215.00	271.00	337.00	412.00	499.00	536.00	597.00	650.00
40.0	158.00	206.00	262.00	326.00	401.00	486.00	523.00	583.00	636.00
45.0	149.50	197.00	252.00	316.00	389.00	473.00	510.00	569.00	622.00
50.0	141.50	188.00	242.00	305.00	377.00	460.00	497.00	555.00	607.00
55.0	133.00	179.50	232.00	294.00	365.00	447.00	483.00	541.00	593.00
60.0	125.50	171.00	223.00	283.00	353.00	434.00	470.00	528.00	579.00
62.0			219.00	279.00	349.00	429.00	465.00	522.00	574.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m³/h	127
Bore/Stroke, mm	74.7/55.6
Length/Width, mm	760/565
Height, mm	545
Net Weight, kg	246
Gross Weight, kg	262
Rotalock Discharge, inch	1 3/8
Suction, inch	2 1/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	6.8
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	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	51
Locked Rotor Current, A	221
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4
Deep Oil Sump	Mounted

ACCESSORIES OPTIONAL

Capacity Control	Capacity Steps 66/33%
Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Crankcase Heater	200 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
Discharge Temperature Protection	Head PTC sensor
Unloaded start	Available

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
AWM	380-420 V / 3~ / 50 Hz	400	YYY	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	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	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
AWC	208-230 V / 3~ / 60 Hz	230	YYY	Y	2.19
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00