



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	43.50	55.40	69.70						
15.0	40.80	52.30	66.00	82.40					
20.0	38.10	49.10	62.30	78.00	96.40				
25.0	35.40	46.00	58.60	73.60	91.20	111.50			
30.0	32.70	42.80	54.90	69.20	85.90	105.50	114.00	128.00	140.50
35.0	30.10	39.70	51.10	64.70	80.70	99.30	107.50	121.00	133.00
40.0	27.50	36.60	47.40	60.30	75.40	93.20	101.00	113.50	125.00
45.0	24.90	33.60	43.80	55.90	70.20	87.00	94.40	106.50	117.50
50.0	22.50	30.60	40.20	51.60	65.00	80.80	87.90	99.30	109.50
55.0	20.10	27.70	36.70	47.30	59.90	74.70	81.40	92.20	102.00
60.0	17.90	24.90	33.20	43.10	54.80	68.70	74.90	85.00	94.30
62.0			31.90	41.40	52.80	66.30	72.30	82.20	91.20

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	11.50	12.20	12.65						
15.0	12.35	13.25	14.00	14.45					
20.0	13.05	14.25	15.25	16.05	16.50				
25.0	13.70	15.10	16.40	17.45	18.30	18.80			
30.0	14.25	15.90	17.45	18.80	19.95	20.80	21.10	21.40	21.50
35.0	14.75	16.60	18.35	20.00	21.50	22.70	23.20	23.70	24.00
40.0	15.15	17.20	19.20	21.10	22.90	24.50	25.10	25.90	26.40
45.0	15.50	17.70	19.95	22.20	24.30	26.20	26.90	27.90	28.70
50.0	15.75	18.15	20.60	23.10	25.50	27.80	28.60	29.90	30.80
55.0	16.00	18.55	21.20	24.00	26.60	29.20	30.20	31.70	32.80
60.0	16.15	18.90	21.80	24.70	27.70	30.60	31.80	33.40	34.80
62.0			22.00	25.00	28.10	31.10	32.30	34.10	35.50

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	30.40	30.58	30.69						
15.0	31.02	31.59	32.13	32.49					
20.0	31.58	32.52	33.48	34.30	34.85				
25.0	32.10	33.39	34.75	36.01	37.05	37.71			
30.0	32.58	34.20	35.93	37.63	39.14	40.32	40.67	41.02	41.14
35.0	33.00	34.95	37.05	39.15	41.12	42.81	43.37	44.06	44.48
40.0	33.39	35.64	38.08	40.58	43.00	45.17	45.94	46.95	47.66
45.0	33.74	36.27	39.04	41.93	44.76	47.40	48.38	49.71	50.69
50.0	34.05	36.84	39.94	43.18	46.42	49.52	50.69	52.33	53.57
55.0	34.32	37.36	40.76	44.34	47.98	51.52	52.87	54.81	56.31
60.0	34.55	37.84	41.51	45.43	49.44	53.39	54.93	57.15	58.91
62.0			41.79	45.83	49.99	54.11	55.72	58.05	59.91

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	241.00	301.00	372.00						
15.0	235.00	295.00	366.00	449.00					
20.0	229.00	289.00	360.00	442.00	536.00				
25.0	222.00	282.00	353.00	435.00	529.00	636.00			
30.0	215.00	275.00	346.00	427.00	520.00	626.00	673.00	747.00	812.00
35.0	208.00	268.00	338.00	418.00	511.00	617.00	663.00	736.00	802.00
40.0	200.00	260.00	330.00	410.00	502.00	607.00	652.00	726.00	791.00
45.0	192.00	252.00	321.00	400.00	492.00	596.00	641.00	714.00	779.00
50.0	184.00	244.00	312.00	391.00	481.00	585.00	630.00	702.00	767.00
55.0	176.50	236.00	304.00	381.00	471.00	573.00	618.00	690.00	755.00
60.0	169.00	228.00	295.00	371.00	460.00	561.00	606.00	678.00	742.00
62.0			291.00	368.00	455.00	557.00	601.00	673.00	737.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m³/h	152
Bore/Stroke, mm	80.6/57.0
Length/Width, mm	740/540
Height, mm	545
Net Weight, kg	265
Gross Weight, kg	281
Suction, inch	2 5/8
Discharge, inch	1 5/8
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	73.7
Locked Rotor Current, A	306
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
Additional Cooling	70 W Vertical Air Flow Fan
Discharge Temperature Protection	Head PTC sensor
Unloaded start	Available
Oil Pressure Switch	OPS2 Electronic Switch
Oil Control System	ALCO Trax-Oil OM3

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
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20
AWX	380 V / 3~ / 60 Hz	380	YYY	Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00