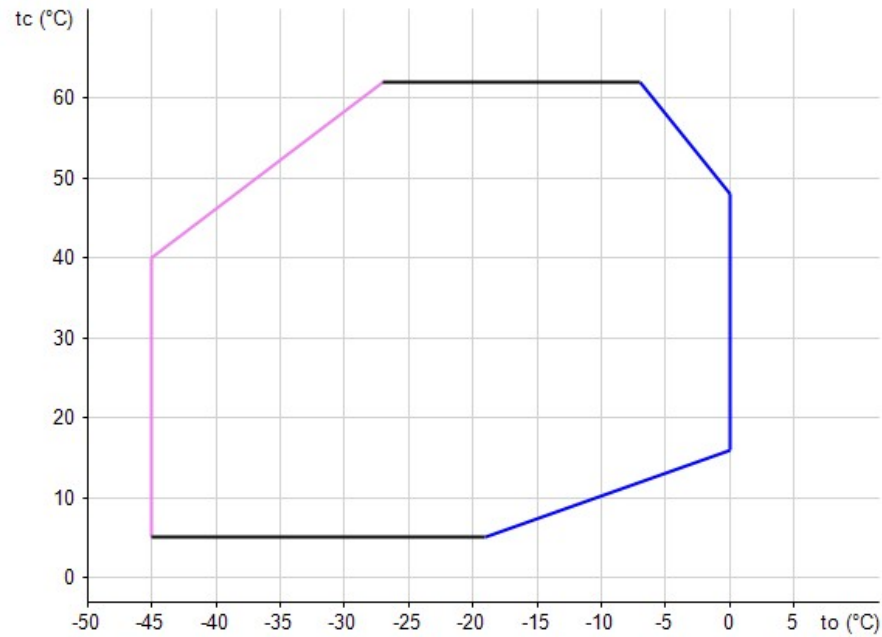


50 Hz

6MM-30 DC

R449A Dew Point



Minimum Evaporating Temp. With:

20 °C Suction Gas Return Liquid injection

Maximum Evaporating Temperature

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
5.0	16.50	21.60	27.80	35.30	44.30	54.80				
10.0	15.55	20.80	27.00	34.40	43.20	53.50	65.60			
15.0	14.50	19.80	26.00	33.30	41.90	52.00	63.70	77.40	93.00	
20.0	13.30	18.65	24.80	32.00	40.40	50.20	61.60	74.70	89.90	107.00
25.0	11.95	17.35	23.50	30.50	38.70	48.20	59.20	71.80	86.40	103.00
30.0	10.55	15.90	22.00	28.80	36.80	45.90	56.50	68.60	82.60	98.50
35.0	8.97	14.35	20.30	27.00	34.60	43.40	53.50	65.10	78.50	93.70
40.0	7.27	12.60	18.40	24.90	32.20	40.60	50.30	61.30	74.00	88.60
45.0		10.70	16.35	22.60	29.60	37.60	46.70	57.20	69.30	83.00
50.0			14.15	20.10	26.80	34.30	43.00	52.80	64.20	
55.0				17.40	23.70	30.80	38.90	48.10	58.80	
60.0					20.40	27.00	34.50	43.10		
62.0					19.00	25.40	32.70	41.00		

50 Hz

6MM-30 DC

R449A Dew Point

Cond °C	Power, kW									
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
5.0	7.58	8.45	9.15	9.63	9.84	9.71				
10.0	8.05	9.15	10.10	10.90	11.45	11.70	11.65			
15.0	8.42	9.73	10.95	12.05	12.90	13.55	13.90	13.85	13.35	
20.0	8.69	10.20	11.65	13.00	14.20	15.20	15.95	16.30	16.30	15.90
25.0	8.87	10.55	12.25	13.85	15.35	16.70	17.80	18.60	19.05	19.15
30.0	8.97	10.80	12.70	14.60	16.35	18.00	19.50	20.70	21.60	22.20
35.0	9.00	11.00	13.10	15.20	17.25	19.20	21.00	22.60	23.90	25.00
40.0	8.98	11.10	13.35	15.70	18.00	20.20	22.40	24.40	26.10	27.60
45.0		11.15	13.55	16.10	18.65	21.20	23.60	25.90	28.10	30.00
50.0			13.70	16.40	19.15	22.00	24.70	27.40	29.90	
55.0				16.65	19.60	22.60	25.70	28.70	31.60	
60.0					20.00	23.20	26.60	29.90		
62.0					20.10	23.50	26.90	30.30		

Cond °C	Current at 400 V, A									
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
5.0	23.02	23.61	24.17	24.59	24.76	24.57				
10.0	23.30	24.11	24.95	25.71	26.29	26.57	26.44			
15.0	23.56	24.58	25.70	26.80	27.77	28.51	28.91	28.85	28.24	
20.0	23.78	25.01	26.39	27.82	29.19	30.38	31.29	31.81	31.84	31.25
25.0	23.95	25.38	27.02	28.77	30.52	32.16	33.58	34.67	35.33	35.44
30.0	24.05	25.67	27.57	29.63	31.76	33.84	35.76	37.42	38.70	39.49
35.0	24.06	25.87	28.01	30.39	32.89	35.40	37.81	40.03	41.93	43.40
40.0	23.97	25.96	28.34	31.02	33.89	36.82	39.73	42.49	45.00	47.15
45.0		25.92	28.55	31.52	34.74	38.10	41.49	44.79	47.91	50.72
50.0			28.60	31.87	35.44	39.21	43.07	46.91	50.63	
55.0				32.05	35.96	40.14	44.47	48.84	53.14	
60.0					36.29	40.87	45.66	50.55		
62.0					36.37	41.10	46.08	51.18		

50 Hz

6MM-30 DC

R449A Dew Point

Cond °C	Suction Mass Flow, g/s									
	-45.0	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0
5.0	73.40	96.40	124.50	158.00	199.00	247.00				
10.0	71.50	95.70	124.50	159.50	201.00	250.00	307.00			
15.0	68.90	94.30	124.00	159.50	202.00	251.00	309.00	378.00	457.00	
20.0	65.60	92.20	123.00	159.00	202.00	252.00	310.00	379.00	459.00	551.00
25.0	61.40	89.20	121.00	158.00	201.00	251.00	310.00	379.00	459.00	552.00
30.0	56.30	85.30	118.00	155.50	199.00	249.00	308.00	377.00	458.00	551.00
35.0	50.10	80.20	114.00	152.00	195.50	246.00	306.00	375.00	455.00	549.00
40.0	42.60	73.90	108.50	147.00	191.00	242.00	301.00	370.00	451.00	545.00
45.0		66.10	101.50	140.50	185.00	236.00	295.00	364.00	445.00	539.00
50.0			92.50	132.00	177.00	228.00	287.00	356.00	437.00	
55.0				121.50	166.50	218.00	277.00	346.00	426.00	
60.0					154.00	205.00	264.00	333.00		
62.0					148.00	199.00	258.00	327.00		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m³/h	121
Bore/Stroke, mm	71.5/57.5
Length/Width, mm	695/547
Height, mm	450
Net Weight, kg	215
Suction, inch	2 1/8
Discharge, inch	1 3/8
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 (LT), dBA	79
Sound Power (LT), dBA	90
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35 / 40 / 20 °C at 50 Hz
Sound Pressure @ 1m (MT), dBA	72
Sound Power (MT), dBA	83
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1397
Refrigerant's classification	A1

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

Maximum Operating Current, A	59.7
Locked Rotor Current, A	255
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Parts	Spring
CoreSense Protection (-P)	Motor protection
Oil Pressure Switch (-P)	OPS2 Sensor
Copeland Compressor Electronic (-N)	Oil pressure, motor and discharge line temperature protection; advanced diagnostics features and power measurement

ACCESSORIES OPTIONAL

Additional Cooling	70 W Vertical Air Flow Fan
Additional Cooling	Demand Cooling (Driver XEV01D)
Crankcase Heater	100 W Internal
Oil Pressure Switch	OPS2 Electronic Switch
Adapter Kit	For Parallel Operation
Check Valve	For unloaded start operation
Mounting Parts	Rubber
Discharge Shut-off	Angle valve
Copeland Compressor Electronic module	Modbus extension module

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