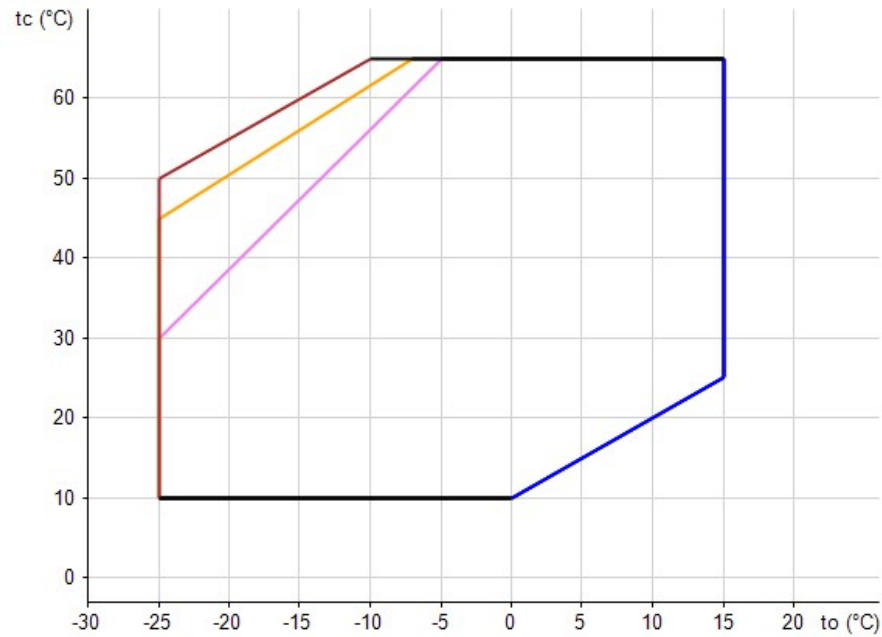




Minimum Evaporating Temp. With:

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

Suction Superheat 10.0K

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	15.0
10.0	56.30	73.30	93.90	118.50	147.00	180.50					
15.0	53.40	70.10	90.00	113.50	141.50	173.50	210.00				
20.0	50.30	66.40	85.70	108.50	135.00	166.00	201.00	217.00	242.00		
25.0	46.80	62.40	81.00	103.00	128.50	158.00	192.00	207.00	230.00	252.00	274.00
30.0	43.00	58.10	76.00	96.90	121.00	149.50	181.50	196.00	218.00	239.00	260.00
35.0	39.10	53.60	70.60	90.50	113.50	140.50	171.00	184.50	206.00	225.00	246.00
40.0	35.00	48.80	64.90	83.70	105.50	131.00	160.00	172.50	193.00	211.00	230.00
45.0	30.70	43.80	59.10	76.80	97.30	121.00	148.50	160.50	179.50	196.50	215.00
50.0	26.40	38.80	53.10	69.60	88.70	111.00	136.50	147.50	165.50	181.50	199.00
55.0		33.70	46.90	62.20	80.00	100.50	124.00	134.50	151.50	166.50	182.50
60.0			40.80	54.80	71.00	89.90	111.50	121.50	136.50	150.50	165.50
65.0				47.30	62.00	79.10	99.00	107.50	122.00	134.50	148.50

50 Hz

D8SJ-600X

R407C Dew Point

Cond °C	Power, kW										
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	16.80	18.25	19.20	19.50	19.15	18.00					
15.0	18.00	19.90	21.40	22.20	22.50	22.00	20.60				
20.0	19.05	21.40	23.30	24.80	25.60	25.70	25.10	24.60	23.60		
25.0	19.85	22.70	25.10	27.10	28.50	29.30	29.30	29.10	28.50	27.80	26.80
30.0	20.50	23.80	26.70	29.20	31.20	32.60	33.30	33.40	33.20	32.80	32.20
35.0	20.90	24.60	28.00	31.10	33.70	35.70	37.00	37.40	37.60	37.60	37.40
40.0	21.00	25.20	29.10	32.70	35.80	38.50	40.50	41.10	41.80	42.10	42.30
45.0	21.00	25.50	29.90	34.00	37.70	41.00	43.60	44.50	45.60	46.30	46.90
50.0	20.60	25.60	30.50	35.10	39.30	43.10	46.40	47.60	49.10	50.20	51.10
55.0		25.40	30.70	35.80	40.60	45.00	48.90	50.40	52.30	53.70	55.00
60.0			30.60	36.20	41.50	46.50	51.10	52.80	55.10	56.90	58.60
65.0				36.30	42.10	47.70	52.90	54.80	57.60	59.70	61.70

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	15.0
10.0	44.28	45.87	47.17	47.88	47.74	46.45					
15.0	45.41	47.45	49.30	50.69	51.34	50.96	49.29				
20.0	46.52	48.96	51.32	53.34	54.74	55.23	54.54	53.86	52.38		
25.0	47.63	50.41	53.24	55.85	57.95	59.26	59.50	59.24	58.40	57.25	55.66
30.0	48.73	51.81	55.07	58.21	60.97	63.05	64.19	64.31	64.09	63.50	62.49
35.0	49.83	53.17	56.81	60.44	63.81	66.62	68.60	69.10	69.47	69.40	68.95
40.0	50.94	54.50	58.46	62.55	66.48	69.98	72.76	73.61	74.55	74.98	75.06
45.0	52.08	55.80	60.05	64.54	68.99	73.12	76.66	77.84	79.32	80.23	80.82
50.0	53.23	57.08	61.56	66.41	71.34	76.06	80.31	81.81	83.79	85.16	86.24
55.0		58.34	63.02	68.18	73.53	78.81	83.72	85.52	87.98	89.79	91.33
60.0			64.43	69.85	75.59	81.36	86.89	88.97	91.90	94.11	96.09
65.0				71.44	77.51	83.74	89.84	92.18	95.53	98.14	100.54

50 Hz

D8SJ-600X

R407C Dew Point

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	15.0
10.0	284.00	364.00	460.00	572.00	701.00	849.00					
15.0	280.00	361.00	458.00	570.00	699.00	846.00	1013.00				
20.0	274.00	356.00	453.00	565.00	694.00	840.00	1006.00	1078.00	1193.00		
25.0	266.00	349.00	446.00	558.00	686.00	832.00	996.00	1068.00	1181.00	1282.00	1388.00
30.0	256.00	340.00	437.00	548.00	675.00	820.00	983.00	1054.00	1166.00	1266.00	1371.00
35.0	244.00	329.00	425.00	536.00	662.00	805.00	967.00	1037.00	1148.00	1247.00	1351.00
40.0	230.00	315.00	412.00	521.00	646.00	788.00	948.00	1017.00	1127.00	1224.00	1327.00
45.0	214.00	299.00	395.00	504.00	628.00	767.00	925.00	993.00	1102.00	1198.00	1300.00
50.0	196.00	281.00	377.00	485.00	606.00	744.00	899.00	966.00	1073.00	1168.00	1269.00
55.0		261.00	356.00	462.00	582.00	717.00	870.00	936.00	1041.00	1135.00	1234.00
60.0			333.00	437.00	554.00	687.00	837.00	902.00	1005.00	1098.00	1195.00
65.0				409.00	524.00	654.00	800.00	864.00	966.00	1057.00	1153.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	8
Displacement @ 50 Hz, m³/h	181
Bore/Stroke, mm	74.7/59.2
Length/Width, mm	835/527
Height, mm	610
Net Weight, kg	346
Gross Weight, kg	367
Suction, inch	3 1/8
Discharge, inch	1 5/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	7.6
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	457 x 305 (18)
Sound Pressure @ 1m, dBA	76
Sound Power, dBA	87
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	1774
Refrigerant's classification	A1

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

Maximum Operating Current, A	114
Locked Rotor Current, A	476
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch
Deep Oil Sump
Mounting Springs

OPS2 Sensor
Mounted
4

ACCESSORIES OPTIONAL

Additional Cooling
Capacity Control
Discharge Temperature Protection
Oil Pressure Switch
Unloaded start
Enclosure Class
Adapter Kit
Check Valve
Crankcase Heater

70 W Vertical Air Flow Fan
Capacity Steps 75/50%
Head PTC sensor
OPS2 Electronic Switch
Available
IP 56
For Parallel Operation
For unloaded start operation
200 W Internal

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