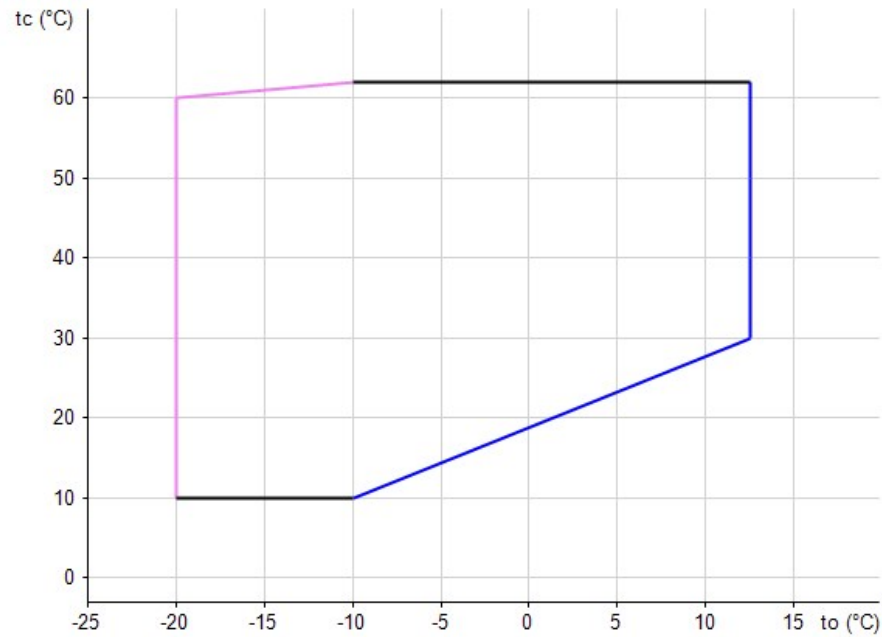


50 Hz

D4SA-100X

R134a



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	17.65	22.20	27.50						
15.0	16.45	20.80	25.90	32.00					
20.0	15.25	19.40	24.30	30.00	36.70				
25.0	14.05	18.00	22.70	28.10	34.50	41.80			
30.0	12.80	16.60	21.00	26.20	32.30	39.20	42.30	47.20	51.50
35.0	11.60	15.20	19.40	24.30	30.10	36.70	39.60	44.20	48.40
40.0	10.40	13.80	17.80	22.50	27.90	34.10	36.90	41.30	45.30
45.0	9.19	12.40	16.20	20.60	25.70	31.60	34.20	38.40	42.20
50.0	8.03	11.10	14.65	18.75	23.60	29.10	31.60	35.60	39.10
55.0	6.92	9.78	13.10	16.95	21.50	26.70	29.00	32.80	36.10
60.0	5.85	8.53	11.60	15.20	19.40	24.30	26.50	30.00	33.10
62.0			11.05	14.55	18.60	23.40	25.50	28.90	32.00

50 Hz

D4SA-100X

R134a

Cond °C	Power, kW								
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
10.0	3.74	3.96	4.05						
15.0	4.06	4.39	4.60	4.68					
20.0	4.34	4.76	5.10	5.32	5.38				
25.0	4.59	5.09	5.54	5.89	6.11	6.15			
30.0	4.81	5.39	5.93	6.40	6.76	6.98	7.02	7.02	6.95
35.0	5.01	5.66	6.28	6.86	7.36	7.73	7.84	7.95	7.98
40.0	5.20	5.89	6.60	7.28	7.89	8.41	8.58	8.79	8.92
45.0	5.37	6.11	6.88	7.64	8.37	9.02	9.26	9.57	9.78
50.0	5.54	6.31	7.13	7.97	8.80	9.58	9.86	10.25	10.55
55.0	5.71	6.49	7.36	8.27	9.18	10.05	10.40	10.90	11.30
60.0	5.88	6.67	7.57	8.53	9.53	10.50	10.90	11.45	11.90
62.0			7.65	8.63	9.65	10.70	11.10	11.70	12.15

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	9.97	10.12	10.13						
15.0	10.21	10.51	10.73	10.76					
20.0	10.40	10.85	11.25	11.50	11.53				
25.0	10.57	11.15	11.71	12.17	12.43	12.42			
30.0	10.71	11.40	12.11	12.75	13.24	13.50	13.51	13.42	13.24
35.0	10.85	11.63	12.46	13.27	13.97	14.47	14.59	14.68	14.65
40.0	10.99	11.83	12.78	13.74	14.63	15.35	15.58	15.83	15.94
45.0	11.14	12.03	13.07	14.16	15.22	16.15	16.47	16.87	17.13
50.0	11.31	12.24	13.35	14.55	15.75	16.87	17.28	17.82	18.21
55.0	11.51	12.46	13.62	14.91	16.25	17.54	18.02	18.70	19.20
60.0	11.75	12.70	13.89	15.26	16.71	18.15	18.71	19.50	20.11
62.0			14.01	15.40	16.88	18.38	18.97	19.80	20.46

50 Hz	D4SA-100X	R134a
-------	-----------	-------

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	97.60	120.50	147.00						
15.0	94.70	117.50	143.50	174.00					
20.0	91.50	114.00	140.00	170.00	204.00				
25.0	88.00	110.50	136.50	166.00	200.00	238.00			
30.0	84.10	106.50	132.50	162.00	195.50	233.00	249.00	275.00	298.00
35.0	80.00	102.50	128.00	157.50	190.50	228.00	244.00	269.00	292.00
40.0	75.50	98.00	123.50	152.50	185.50	222.00	238.00	264.00	286.00
45.0	70.80	93.30	119.00	147.50	180.00	217.00	233.00	258.00	280.00
50.0	65.80	88.40	113.50	142.50	174.50	211.00	227.00	252.00	274.00
55.0	60.60	83.30	108.50	137.00	169.00	205.00	220.00	245.00	267.00
60.0	55.20	77.90	103.00	131.50	163.00	198.50	214.00	239.00	261.00
62.0			101.00	129.00	160.50	196.00	212.00	236.00	258.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	4
Displacement @ 50 Hz, m³/h	56.0
Bore/Stroke, mm	63.5/50.8
Length/Width, mm	650/485
Height, mm	495
Net Weight, kg	175
Gross Weight, kg	191
Suction, inch	1 5/8
Discharge, inch	1 1/8
Drive Frequency Range, Hz	25 - 60
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)
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	20.9
Locked Rotor Current, A	105
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Oil Pressure Switch	OPS2 Sensor

ACCESSORIES OPTIONAL

Capacity Control	Capacity Steps 50%
Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Check Valve	For unloaded start operation
Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	100 W Internal
Discharge Temperature Protection	Head PTC sensor
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
Deep Oil Sump	Mounted
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	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
EWY	500-550 V / 3~ / 50 Hz	525	Y/DELTA	DELTA	0.76
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
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