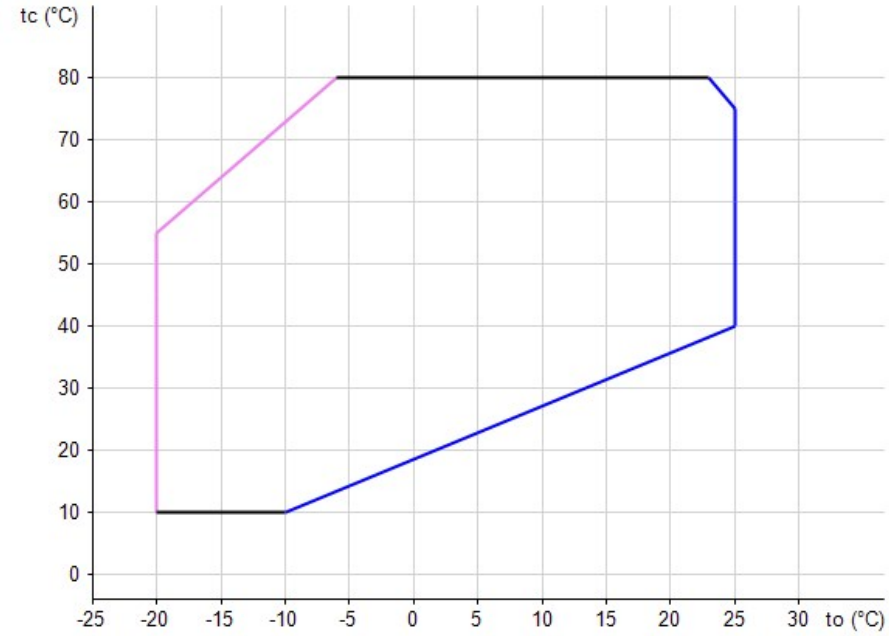
50 Hz | D4DA-200X | R134a



Minimum Evaporating Temp. With:

20 K Suction Superheat

Maximum Evaporating Temperature

Suction Superheat 10.0K | Liquid Subcooling 0.0K

Evaporating Temperature, °C

50 Hz | D4DA-200X | R134a

Cond	Cooling Capacity, kW											
°C	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
10.0	17.00	21.30	26.60									
15.0	16.05	20.20	25.40	31.50								
20.0	15.05	19.15	24.10	30.00	37.00							
25.0	14.05	18.00	22.80	28.40	35.20	43.00	46.50					
30.0	13.05	16.85	21.40	26.80	33.30	40.80	44.20	49.60	54.50			
35.0	12.05	15.65	20.00	25.20	31.40	38.60	41.80	47.00	51.60	56.60		
40.0	11.00	14.45	18.60	23.60	29.40	36.30	39.40	44.30	48.70	53.50	64.10	76.10
45.0	9.95	13.25	17.20	21.90	27.50	34.00	36.90	41.60	45.80	50.40	60.50	72.00
50.0	8.91	12.05	15.75	20.20	25.40	31.60	34.40	38.80	42.80	47.20	56.80	67.70
55.0	7.87	10.80	14.35	18.50	23.40	29.20	31.80	36.00	39.80	43.90	53.00	63.50
60.0		9.60	12.85	16.75	21.40	26.80	29.30	33.20	36.80	40.70	49.30	59.10
65.0			11.40	15.05	19.30	24.40	26.70	30.40	33.70	37.30	45.40	54.80
70.0			9.97	13.30	17.25	21.90	24.00	27.50	30.60	34.00	41.60	50.30
75.0				11.55	15.15	19.45	21.40	24.60	27.50	30.60	37.70	45.90
80.0				9.81	13.05	17.00	18.75	21.70	24.30	27.20	33.80	

Cond	Power, kW											
°C	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
10.0	3.53	3.69	3.74									
15.0	3.88	4.13	4.28	4.32								
20.0	4.19	4.53	4.78	4.94	4.97							
25.0	4.47	4.89	5.25	5.51	5.67	5.69	5.65					
30.0	4.72	5.22	5.67	6.05	6.33	6.48	6.51	6.49	6.43			
35.0	4.94	5.51	6.05	6.54	6.94	7.23	7.31	7.39	7.41	7.39		
40.0	5.13	5.77	6.40	6.99	7.51	7.93	8.07	8.24	8.34	8.41	8.40	8.20
45.0	5.29	6.00	6.72	7.40	8.04	8.59	8.79	9.04	9.22	9.37	9.53	9.52
50.0	5.43	6.21	7.00	7.78	8.52	9.21	9.46	9.80	10.05	10.30	10.60	10.80
55.0	5.54	6.38	7.25	8.12	8.98	9.78	10.10	10.50	10.85	11.15	11.65	12.00
60.0		6.53	7.47	8.44	9.39	10.30	10.65	11.20	11.60	11.95	12.65	13.15
65.0			7.67	8.72	9.77	10.80	11.20	11.80	12.25	12.75	13.55	14.25
70.0			7.84	8.97	10.10	11.25	11.70	12.40	12.95	13.45	14.45	15.35
75.0				9.19	10.45	11.70	12.20	12.95	13.55	14.15	15.30	16.35
80.0				9.39	10.70	12.10	12.65	13.45	14.10	14.80	16.10	

Cond	Current at 400 V, A											
°C	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
10.0	11.84	12.04	12.12									
15.0	12.18	12.45	12.62	12.66								
20.0	12.51	12.84	13.11	13.26	13.26							
25.0	12.81	13.22	13.58	13.85	13.99	13.95	13.88					
30.0	13.09	13.57	14.02	14.41	14.70	14.83	14.84	14.78	14.67			
35.0	13.34	13.89	14.44	14.95	15.38	15.69	15.77	15.84	15.84	15.78		
40.0	13.57	14.19	14.83	15.47	16.04	16.53	16.68	16.87	16.97	17.03	16.97	16.65
45.0	13.76	14.45	15.19	15.95	16.68	17.33	17.56	17.87	18.08	18.25	18.44	18.39
50.0	13.91	14.67	15.52	16.40	17.27	18.10	18.41	18.84	19.16	19.45	19.89	20.11
55.0	14.02	14.86	15.81	16.81	17.84	18.84	19.22	19.78	20.21	20.61	21.30	21.80
60.0		15.00	16.05	17.18	18.36	19.54	20.00	20.68	21.22	21.74	22.67	23.45
65.0			16.25	17.51	18.84	20.19	20.73	21.54	22.19	22.82	24.01	25.06
70.0			16.40	17.79	19.27	20.81	21.43	22.35	23.12	23.87	25.31	26.64
75.0				18.02	19.66	21.37	22.07	23.12	23.99	24.86	26.56	28.17
80.0				18.20	19.99	21.88	22.66	23.84	24.82	25.81	27.76	

Cond	Suction Mass Flow, g/s											
°C	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0
10.0	93.90	116.00	142.00									
15.0	92.30	114.50	140.50	171.50								
20.0	90.40	112.50	139.00	170.00	206.00							
25.0	88.20	110.50	137.00	168.00	204.00	245.00	263.00					
30.0	85.80	108.50	135.00	165.50	201.00	242.00	260.00	289.00	315.00			
35.0	83.10	105.50	132.00	163.00	198.50	240.00	257.00	286.00	312.00	339.00		
40.0	80.00	103.00	129.50	160.00	195.50	236.00	254.00	283.00	308.00	335.00	394.00	459.00
45.0	76.70	99.60	126.00	157.00	192.00	233.00	250.00	279.00	304.00	331.00	390.00	455.00
50.0	73.00	96.10	122.50	153.00	188.50	229.00	246.00	275.00	300.00	327.00	385.00	450.00
55.0	68.90	92.10	118.50	149.00	184.00	224.00	242.00	270.00	295.00	322.00	380.00	445.00
60.0		87.80	114.00	144.50	179.50	219.00	237.00	265.00	290.00	316.00	375.00	440.00
65.0			109.50	139.50	174.00	214.00	231.00	259.00	284.00	311.00	369.00	434.00
70.0			104.00	134.00	168.50	208.00	225.00	253.00	278.00	304.00	363.00	428.00
75.0				128.00	162.50	202.00	219.00	247.00	272.00	298.00	356.00	422.00
80.0				121.50	155.50	195.00	212.00	240.00	265.00	292.00	350.00	

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	650/535
Height, mm	495
Net Weight, kg	196
Gross Weight, kg	212
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)
Sound Pressure @ 1m, dBA	72
Sound Power, dBA	83
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	32.5
Locked Rotor Current, A	175
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

Enclosure Class	IP 56
Adapter Kit	For Parallel Operation
Oil Pressure Switch	OPS2 Electronic Switch
Oil Control System	ALCO Trax-Oil OM3
Additional Cooling	70 W Vertical Air Flow Fan
Crankcase Heater	100 W Internal
Unloaded start	Available
Deep Oil Sump	Mounted
Capacity Control	Capacity Steps 50%
Check Valve	For unloaded start operation

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