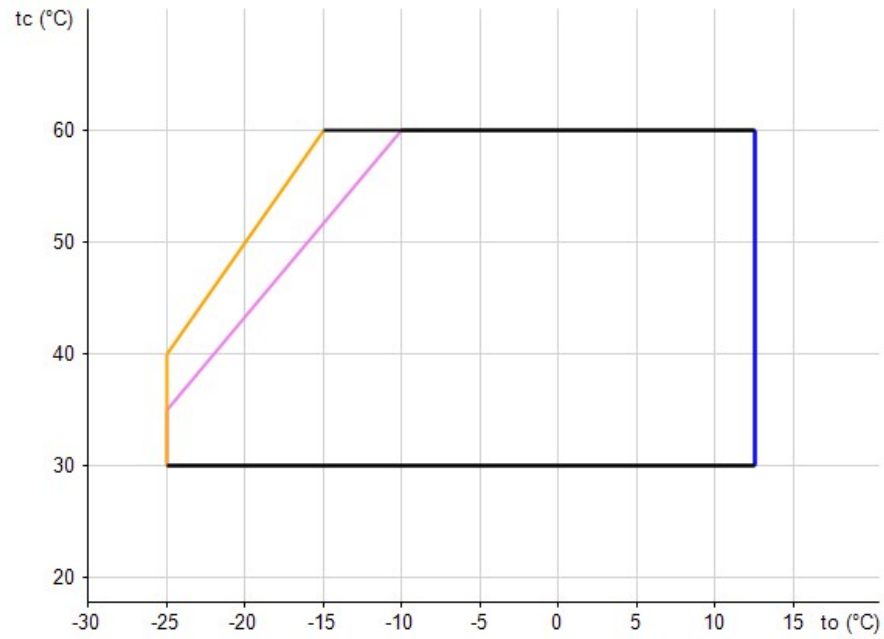
50 Hz | D3DA-75X | R407C Dew Point



Minimum Evaporating Temp. With:

25 °C Suction Gas Return | 20 K Suction Superheat

Maximum Evaporating Temperature

Suction Superheat 10.0K | Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond	Cooling Capacity, kW									
°C	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	7.95	10.55	13.85	17.85	22.60	28.20	34.60	37.40	41.90	45.90
35.0	7.14	9.54	12.60	16.35	20.80	26.10	32.20	34.80	39.10	42.80
40.0	6.39	8.61	11.45	14.95	19.15	24.10	29.80	32.30	36.30	39.90
45.0		7.74	10.35	13.60	17.50	22.10	27.50	29.80	33.60	37.00
50.0		6.94	9.34	12.35	15.95	20.20	25.20	27.40	31.00	34.20
55.0			8.39	11.15	14.45	18.40	23.10	25.10	28.50	31.40
60.0			7.51	10.00	13.05	16.70	21.00	22.90	26.00	28.80

50 Hz | D3DA-75X | R407C Dew Point

Cond	Power, kW									
°C	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	3.80	4.17	4.53	4.83	5.06	5.17	5.13	5.07	4.92	4.73
35.0	3.94	4.35	4.77	5.16	5.48	5.71	5.81	5.81	5.75	5.65
40.0	4.07	4.52	4.99	5.45	5.87	6.21	6.44	6.50	6.53	6.51
45.0		4.68	5.20	5.73	6.23	6.68	7.03	7.14	7.27	7.33
50.0		4.84	5.40	5.99	6.57	7.12	7.59	7.75	7.96	8.09
55.0			5.60	6.24	6.90	7.54	8.12	8.33	8.62	8.83
60.0			5.79	6.49	7.21	7.93	8.62	8.88	9.25	9.52

Cond	Current at 400 V, A									
°C	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	8.72	9.24	9.74	10.18	10.51	10.67	10.62	10.52	10.30	10.02
35.0	8.91	9.49	10.09	10.65	11.12	11.45	11.60	11.60	11.51	11.37
40.0	9.09	9.73	10.41	11.08	11.69	12.19	12.54	12.62	12.67	12.64
45.0		9.96	10.71	11.48	12.23	12.89	13.42	13.58	13.77	13.86
50.0		10.18	11.00	11.87	12.73	13.55	14.25	14.50	14.81	15.01
55.0			11.29	12.24	13.22	14.17	15.05	15.37	15.81	16.12
60.0			11.57	12.60	13.69	14.77	15.82	16.21	16.76	17.18

Cond	Suction Mass Flow, g/s									
°C	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
30.0	47.30	61.70	79.60	101.00	126.00	155.00	187.50	202.00	224.00	243.00
35.0	44.60	58.50	76.00	97.00	121.50	150.00	182.00	196.00	218.00	237.00
40.0	42.10	55.60	72.60	93.10	117.00	145.00	176.50	190.00	212.00	231.00
45.0		52.90	69.40	89.40	113.00	140.00	171.00	185.00	206.00	225.00
50.0		50.30	66.40	85.90	109.00	135.50	166.50	179.50	201.00	220.00
55.0			63.70	82.60	105.00	131.50	161.50	175.00	196.00	215.00
60.0			61.30	79.70	102.00	127.50	157.50	170.50	191.50	210.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	3
Displacement @ 50 Hz, m³/h	32.2
Bore/Stroke, mm	55.6/50.8
Length/Width, mm	680/370
Height, mm	480
Net Weight, kg	152
Gross Weight, kg	163
Rotalock Discharge, inch	1 1/8
Suction, inch	1 3/8
Drive Frequency Range, Hz	25 - 60
Oil Quantity, l	3.7
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	70
Sound Power, dBA	81
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	17.5
Locked Rotor Current, A	106
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

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

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
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