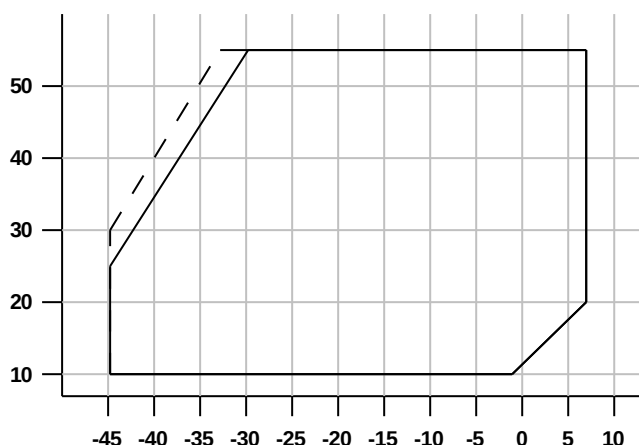


50Hz

6MIS1-40X

R404A Dew Point



Minimum evaporating temp. with:

———— 25°C Suction Gas Return

- - - 0°C Suction Gas Return

Suction Return Temperature 20.0°C

Evaporating Temperature °C

Liquid subcooling 0.0K

Cond °C	Capacity kW											
	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
10	20.20	26.70	34.70	44.40	56.10	70.00	86.20	105.00	126.50			
20	17.20	23.30	30.70	39.60	50.20	62.70	77.30	94.20	113.50	135.50	161.00	171.50
25	15.55	21.50	28.60	37.00	47.10	58.80	72.60	88.60	107.00	128.00	151.50	162.00
30		19.65	26.40	34.40	43.80	54.90	67.80	82.80	100.00	119.50	142.00	152.00
35		17.75	24.20	31.70	40.50	50.80	62.90	76.90	93.00	111.50	132.50	141.50
40			21.90	28.90	37.10	46.70	57.80	70.80	85.80	103.00	122.50	131.00
45			19.55	26.00	33.60	42.40	52.70	64.60	78.50	94.40	112.50	120.50
50				23.10	30.10	38.10	47.50	58.40	71.00	85.60	102.50	109.50
55				20.20	26.50	33.70	42.20	52.00	63.50	76.80	92.10	98.80
	Power Input kW											
	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
10	9.65	11.00	12.20	13.30	14.25	14.95	15.35	15.55	15.35			
20	10.15	11.85	13.50	15.00	16.40	17.60	18.60	19.30	19.70	19.80	19.50	19.30
25	10.25	12.15	14.00	15.75	17.40	18.85	20.10	21.10	21.80	22.20	22.30	22.20
30		12.40	14.45	16.45	18.30	20.00	21.50	22.80	23.80	24.60	24.90	25.00
35		12.60	14.85	17.05	19.15	21.10	22.90	24.50	25.80	26.80	27.50	27.70
40			15.20	17.60	19.95	22.20	24.20	26.10	27.70	29.10	30.10	30.40
45			15.40	18.05	20.70	23.10	25.50	27.60	29.50	31.20	32.60	33.00
50				18.45	21.30	24.00	26.60	29.10	31.30	33.30	35.00	35.60
55				18.80	21.90	24.90	27.70	30.50	33.00	35.30	37.40	38.10
	Current 400V, A											
	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
10	28.62	29.75	30.90	31.99	32.97	33.75	34.27	34.45	34.24			
20	29.03	30.55	32.15	33.75	35.27	36.66	37.84	38.73	39.27	39.39	39.02	38.71
25	29.12	30.87	32.71	34.59	36.42	38.13	39.66	40.93	41.88	42.43	42.51	42.39
30		31.10	33.21	35.38	37.53	39.58	41.48	43.15	44.52	45.52	46.07	46.15
35		31.23	33.62	36.10	38.58	41.00	43.29	45.37	47.18	48.64	49.68	49.96
40			33.93	36.73	39.57	42.37	45.06	47.57	49.83	51.77	53.31	53.81
45			34.11	37.26	40.46	43.66	46.77	49.72	52.45	54.89	56.96	57.67
50				37.66	41.25	44.85	48.40	51.82	55.04	57.99	60.60	61.53
55				37.92	41.91	45.94	49.94	53.83	57.56	61.04	64.21	65.37
	Mass Flow g/s											
	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
10	113.00	149.00	194.00	250.00	317.00	397.00	492.00	603.00	733.00			
20	104.00	141.50	187.00	243.00	309.00	388.00	481.00	591.00	719.00	869.00	1040.00	1120.00
25	99.00	137.00	183.00	238.00	304.00	382.00	475.00	583.00	711.00	859.00	1035.00	1110.00
30		132.00	178.00	232.00	298.00	375.00	467.00	574.00	701.00	849.00	1020.00	1100.00
35		125.50	172.00	226.00	291.00	367.00	458.00	564.00	690.00	837.00	1010.00	1085.00
40			165.00	219.00	283.00	358.00	448.00	553.00	678.00	824.00	997.00	1075.00
45			157.00	211.00	274.00	348.00	436.00	541.00	664.00	811.00	983.00	1060.00
50				202.00	264.00	337.00	424.00	528.00	650.00	796.00	970.00	1050.00
55				193.00	254.00	326.00	411.00	514.00	636.00	782.00	957.00	1035.00

50Hz

6MIS1-40X

R404A Dew Point

DWM Copeland - Compressor - - 4&6 Cyl S-Series and Discus

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, cu.m/h	120.5
Bore/Stroke, mm	71.5/57.5
Length/Width, mm	757/552
Height, mm	497
Net Weight, kg	231
Suction, inch	2 1/8
Discharge, inch	1 3/8
Oil Quantity, l	3.3
Base mounting (hole dia), mm	381 x 305 (25.5)
Sound Pressure @ 1m (LT), dBA	78
Sound Pressure @ 1m (MT), dBA	72
Sound Power (LT), dBA	89
Sound Power (MT), dBA	83
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5

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

Maximum Operating Current, A	71.4
Locked Rotor Current, A	304
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Motor Protection Device	INT69TM
Oil Pressure Switch	OPS2 Sensor
Mounting Parts	Rubber
Mounting Parts	Rubber Spacer
Discharge Shut-off	blind flange
Suction Shut-off	blind flange

ACCESSORIES OPTIONAL

Additional Cooling	70 W Vertical Air Flow Fan
Capacity Control	Capacity Steps 67/33 %
Crankcase Heater	100 W Internal
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
Deep Oil Sump	Mounted
Adapter Kit	For Parallel Operation
Check Valve (NRV)	For unloaded start operation
Oil Control System	ALCO Trax-Oil OM3
Inverter	Control Techniques SK 4402
Mounting Parts	use existing parts
Mounting brackets	Available
Discharge Shut-off	Angle valve
Suction Shut-off	valve

MOTOR OPTIONS

Power Supply	Nominal Voltage	Motor Code	Start Connection	DOL Connection	Amps Factor
380-420 V/3~/50H	400	AWM	YY/Y	Y	1.00
220-240 V/3~/50H	230	EWL	Y/DELTA	DELTA	1.73
380-420 V/3~/50H	400	EWL		Y	1.00
380-420 V/3~/50H	400	EWM	Y/DELTA	DELTA	1.00
220-240 V/3~/50H	230	AWR	YY/Y	Y	1.73
500-550 V/3~/50H	525	AWY	YY/Y	Y	0.76
220-240 V/3~/60H	230	EWK	Y/DELTA	DELTA	2.09
380-420 V/3~/60H	380	EWK		Y	1.20
440-480 V/3~/60H	460	EWD	Y/DELTA	DELTA	1.00
208-230 V/3~/60H	230	AWC	YY/Y	Y	2.19
380 V/3~/60H (10/14)	380	AWX	YY/Y	Y	1.20
440-480 V/3~/60H	460	AWD	YY/Y	Y	1.00