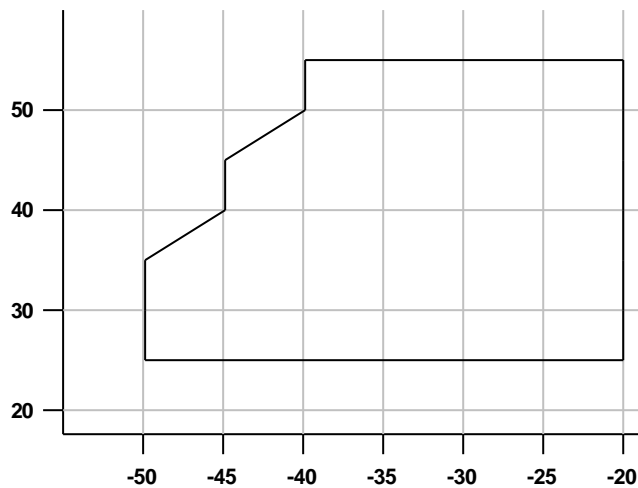


50Hz

LSG-40X

R404A Dew Point



Minimum evaporating temp. with:  
 ——— 25°C Suction Gas Return + Fan

Suction Return Temperature 20.0°C

Evaporating Temperature °C

Liquid subcooling 0.0K

Cond °C	Capacity kW						
	-50	-45	-40	-35	-30	-25	-20
25	1.62	2.55	3.68	5.05	6.67	8.58	10.80
30	1.28	2.17	3.24	4.52	6.05	7.85	9.94
35	0.96	1.79	2.80	4.00	5.43	7.11	9.07
40		1.42	2.36	3.48	4.80	6.36	8.19
45		1.07	1.93	2.96	4.18	5.62	7.30
50			1.52	2.46	3.57	4.88	6.42
55			1.13	1.97	2.97	4.15	5.54
	Power Input kW						
	-50	-45	-40	-35	-30	-25	-20
25	1.48	1.84	2.21	2.57	2.94	3.29	3.62
30	1.39	1.78	2.19	2.60	3.01	3.41	3.80
35	1.28	1.70	2.14	2.60	3.06	3.52	3.97
40		1.60	2.08	2.57	3.08	3.60	4.11
45		1.47	1.99	2.53	3.08	3.65	4.22
50			1.87	2.45	3.06	3.68	4.31
55			1.72	2.35	3.01	3.68	4.37
	Current 400V, A						
	-50	-45	-40	-35	-30	-25	-20
25	4.08	4.53	5.01	5.51	6.01	6.51	6.99
30	3.97	4.46	4.98	5.53	6.10	6.68	7.27
35	3.84	4.36	4.92	5.53	6.17	6.83	7.51
40		4.23	4.84	5.50	6.21	6.95	7.73
45		4.07	4.72	5.43	6.21	7.04	7.91
50			4.56	5.33	6.18	7.08	8.05
55			4.36	5.19	6.10	7.09	8.14
	Mass Flow g/s						
	-50	-45	-40	-35	-30	-25	-20
25	10.20	16.10	23.40	32.10	42.70	55.10	69.80
30	8.50	14.40	21.60	30.30	40.70	53.10	67.60
35	6.70	12.60	19.70	28.30	38.60	50.80	65.20
40		10.60	17.70	26.10	36.30	48.30	62.60
45		8.50	15.50	23.80	33.70	45.60	59.70
50			13.10	21.20	31.00	42.70	56.60
55			10.60	18.50	28.10	39.60	53.30

**DWM Copeland - Compressor - DWM Copeland - S-Series**

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, cu.m/h	22.5
Bore/Stroke, mm	61.9/42.8
Length/Width, mm	470/330
Height, mm	385
Net Weight, kg	77
Gross Weight, kg	82
Suction, inch	1 1/8
Discharge, inch	5/8
Oil Quantity, l	2
Frequency Range, Hz	25 - 60
Base mounting (hole dia), mm	295 x 279 (14.0)
Sound Pressure @ 1m, dBA	63
High Side PS, bar(g)	28
Low Side PS, bar(g)	22.5

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

Maximum Operating Current, A	8.9
Locked Rotor Current, A	58.9
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Mounting Springs	4
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**ACCESSORIES OPTIONAL**

Additional Cooling	1 or 2 ways water Coil
Additional Cooling	70 W Vertical Air Flow Fan
Additional Cooling	25 W Horizontal Air Flow Fan
Crankcase Heater	70 W Internal
Adapter Kit	For Parallel Operation
Inverter	Control Techniques SKB 3400750

**MOTOR OPTIONS**

<i>Power Supply</i>	<i>Nominal Voltage</i>	<i>Motor Code</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
380-420 V/3~/50H	400	EWL		Y	1.00
220-240 V/3~/50H	230	EWL	Y/DELTA	DELTA	1.73
380-420 V/3~/50H	400	EWM	Y/DELTA	DELTA	1.00