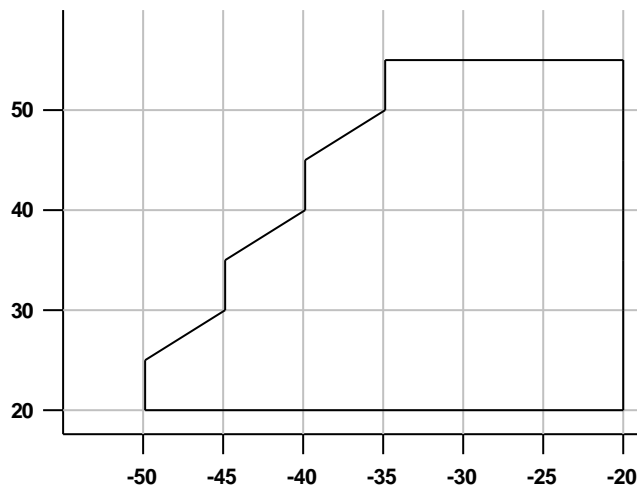


**50Hz**

**DLF-20X**

**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
20	0.82	1.36	2.02	2.79	3.72	4.81	6.09
25	0.61	1.13	1.75	2.48	3.35	4.37	5.58
30		0.91	1.48	2.17	2.98	3.94	5.06
35		0.69	1.23	1.86	2.62	3.51	4.55
40			0.99	1.57	2.27	3.08	4.04
45			0.76	1.29	1.92	2.67	3.55
50				1.03	1.60	2.27	3.07
55				0.80	1.30	1.89	2.60
	Power Input kW						
	-50	-45	-40	-35	-30	-25	-20
20	0.73	0.93	1.14	1.34	1.54	1.74	1.93
25	0.70	0.92	1.14	1.37	1.59	1.81	2.03
30		0.90	1.14	1.38	1.62	1.86	2.11
35		0.87	1.13	1.38	1.65	1.91	2.17
40			1.10	1.38	1.66	1.94	2.22
45			1.07	1.36	1.66	1.96	2.26
50				1.34	1.65	1.97	2.29
55				1.31	1.63	1.97	2.31
	Current 400V, A						
	-50	-45	-40	-35	-30	-25	-20
20	2.22	2.56	2.84	3.07	3.28	3.49	3.72
25	2.16	2.51	2.80	3.06	3.31	3.57	3.86
30		2.47	2.77	3.05	3.33	3.63	3.98
35		2.44	2.75	3.04	3.35	3.68	4.08
40			2.73	3.03	3.35	3.72	4.16
45			2.72	3.02	3.36	3.75	4.22
50				3.01	3.35	3.76	4.26
55				3.00	3.34	3.76	4.28
	Mass Flow g/s						
	-50	-45	-40	-35	-30	-25	-20
20	4.90	8.20	12.20	17.00	22.70	29.50	37.50
25	3.90	7.20	11.10	15.80	21.40	28.10	36.00
30		6.00	9.90	14.50	20.10	26.60	34.40
35		4.80	8.70	13.20	18.60	25.10	32.70
40			7.40	11.80	17.10	23.40	30.90
45			6.10	10.40	15.50	21.70	29.00
50				8.90	13.90	19.90	27.00
55				7.50	12.30	18.10	25.00

**50Hz**

**DLF-20X**

**R404A Dew Point**

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

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, cu.m/h	12.9
Bore/Stroke, mm	50.8/36.5
Length/Width, mm	470/330
Height, mm	385
Net Weight, kg	80
Gross Weight, kg	86
Suction, inch	7/8
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	51
High Side PS, bar(g)	28
Low Side PS, bar(g)	22.5

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

Maximum Operating Current, A	5.5
Locked Rotor Current, A	37.6
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Mounting Springs	4
------------------	---

**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
Oil Control System	ALCO Trax-Oil OM3
Inverter	Control Techniques SKB 3400400

**MOTOR OPTIONS**

<b>Power Supply</b>	<b>Nominal Voltage</b>	<b>Motor Code</b>	<b>Start Connection</b>	<b>DOL Connection</b>	<b>Amps Factor</b>
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
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