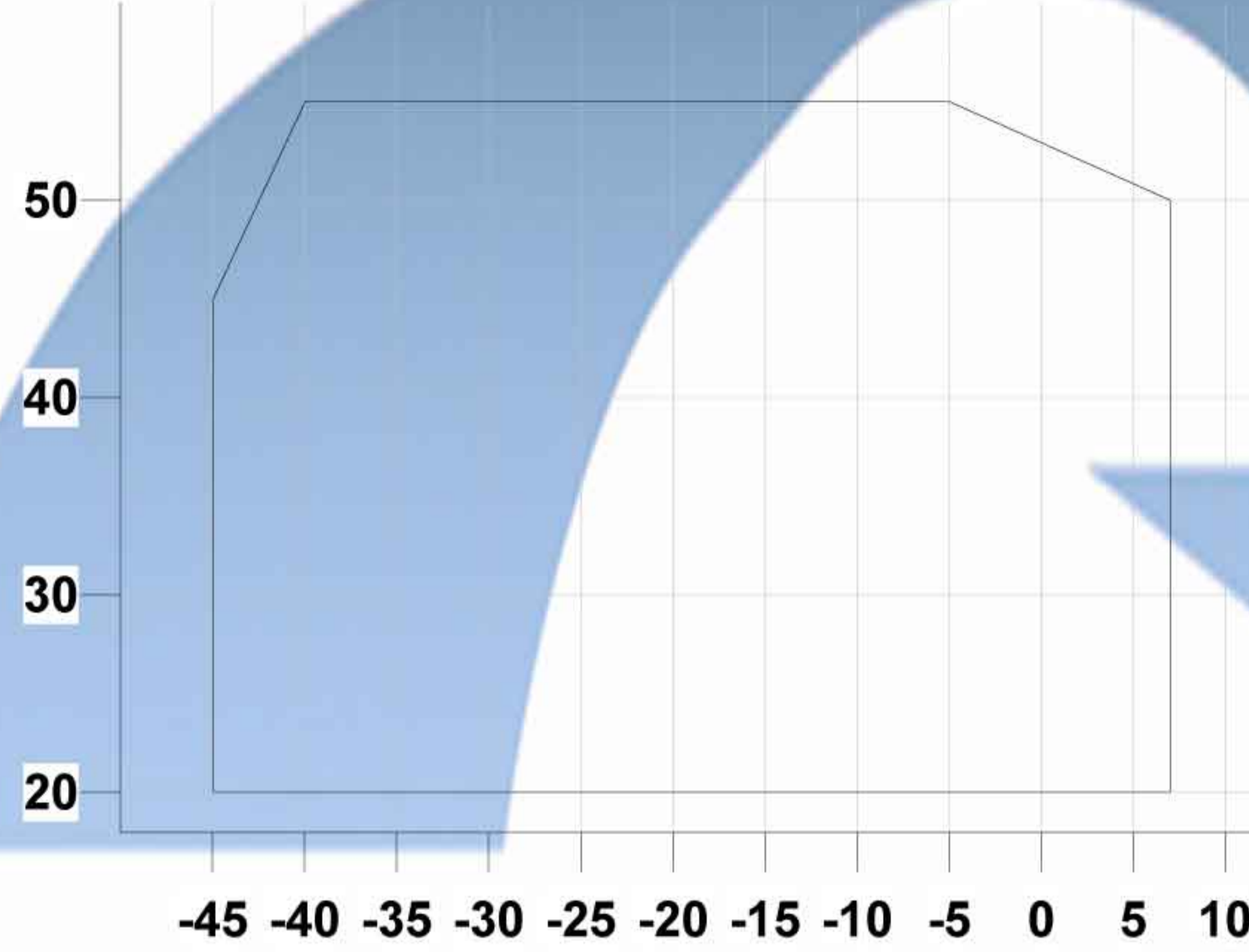


50Hz

DLF-30X

R404A



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

Suction Return Temperature 18.3°C

Evaporating Temperature °C

Liquid subcooling 0.0K

Cond °C	Capacity kW											
	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
20	1.57	2.24	3.06	4.05	5.23	6.62	8.24	10.10	12.25	14.65	17.40	18.60
25	1.34	1.98	2.75	3.68	4.78	6.08	7.60	9.35	11.35	13.65	16.20	17.30
30	1.12	1.72	2.45	3.32	4.35	5.56	6.97	8.61	10.50	12.60	15.05	16.05
35	0.91	1.48	2.16	2.96	3.92	5.04	6.36	7.87	9.62	11.60	13.85	14.85
40	0.71	1.24	1.87	2.62	3.50	4.54	5.75	7.15	8.77	10.60	12.70	13.65
45	0.51	1.00	1.59	2.28	3.09	4.04	5.15	6.44	7.93	9.64	11.60	12.45
50		0.78	1.31	1.94	2.69	3.55	4.56	5.74	7.10	8.67	10.45	11.25
55		0.55	1.04	1.61	2.28	3.07	3.98	5.04	6.28			
Cond °C	Power Input kW											
	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
20	1.20	1.40	1.58	1.73	1.86	1.96	2.02	2.05	2.02	1.95	1.82	1.76
25	1.18	1.41	1.62	1.81	1.98	2.13	2.24	2.31	2.35	2.34	2.28	2.24
30	1.14	1.39	1.63	1.86	2.07	2.26	2.41	2.54	2.63	2.68	2.69	2.68
35	1.09	1.36	1.63	1.89	2.13	2.36	2.56	2.73	2.88	2.98	3.05	3.07
40	1.02	1.31	1.60	1.89	2.17	2.43	2.67	2.89	3.08	3.24	3.37	3.41
45	0.94	1.25	1.56	1.87	2.18	2.47	2.75	3.01	3.25	3.47	3.65	3.71
50		1.17	1.50	1.83	2.16	2.49	2.80	3.11	3.39	3.65	3.88	3.97
55		1.08	1.42	1.77	2.13	2.48	2.83	3.17	3.49			
Cond °C	Current 400V, A											
	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
20	4.07	4.22	4.36	4.46	4.54	4.58	4.59	4.56	4.49	4.37	4.21	4.13
25	4.02	4.20	4.36	4.50	4.62	4.71	4.78	4.82	4.82	4.79	4.72	4.68
30	3.98	4.17	4.36	4.54	4.70	4.85	4.97	5.07	5.15	5.20	5.22	5.21
35	3.94	4.15	4.36	4.57	4.78	4.97	5.15	5.32	5.46	5.59	5.69	5.73
40	3.89	4.12	4.36	4.60	4.84	5.08	5.31	5.54	5.76	5.96	6.15	6.22
45	3.83	4.08	4.33	4.60	4.88	5.16	5.45	5.74	6.02	6.30	6.57	6.67
50		4.01	4.29	4.59	4.90	5.22	5.56	5.90	6.25	6.60	6.95	7.09
55		3.92	4.22	4.54	4.88	5.25	5.63	6.03	6.44			
Cond °C	Mass Flow g/s											
	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
20	9.60	13.80	18.80	25.00	32.50	41.40	51.80	64.10	78.50	95.00	114.00	122.50
25	8.60	12.70	17.80	23.80	31.20	39.90	50.20	62.20	76.50	92.50	111.50	120.00
30	7.60	11.70	16.60	22.60	29.80	38.40	48.50	60.40	74.30	90.50	109.50	118.00
35	6.50	10.60	15.50	21.40	28.40	36.80	46.80	58.50	72.20	88.50	107.00	115.50
40	5.40	9.40	14.30	20.10	27.00	35.30	45.00	56.60	70.20	86.00	105.00	113.50
45	4.10	8.20	13.00	18.70	25.50	33.60	43.20	54.60	68.10	84.00	102.50	111.00
50		6.80	11.60	17.20	23.90	31.90	41.40	52.60	66.00	82.00	100.50	109.00
55		5.20	10.00	15.60	22.20	30.10	39.40	50.60	63.90			

50Hz

DLF-30X

R404A

**DWM Copeland - Compressor - Refrigeration - Standard**

**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	7.2
Locked Rotor Current, A	53
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

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

**ACCESSORIES OPTIONAL**

Additional Cooling	1 or 2 ways water Coil
Additional Cooling	70W Vertical Air Flow Fan
Additional Cooling	25W Horizontal Air Flow Fan
Crankcase Heater	70W Internal
Adapter Kit	For Parallel Operation
Inverter	Control Techniques SKB 3400550

**MOTOR OPTIONS**

Power Supply	Nominal Voltage	Motor Code	Start Connection	DOL Connection	Amps Factor
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	1.26
440-480 V/3~/60H	460	EWD	Y/DELTA	DELTA	1.00