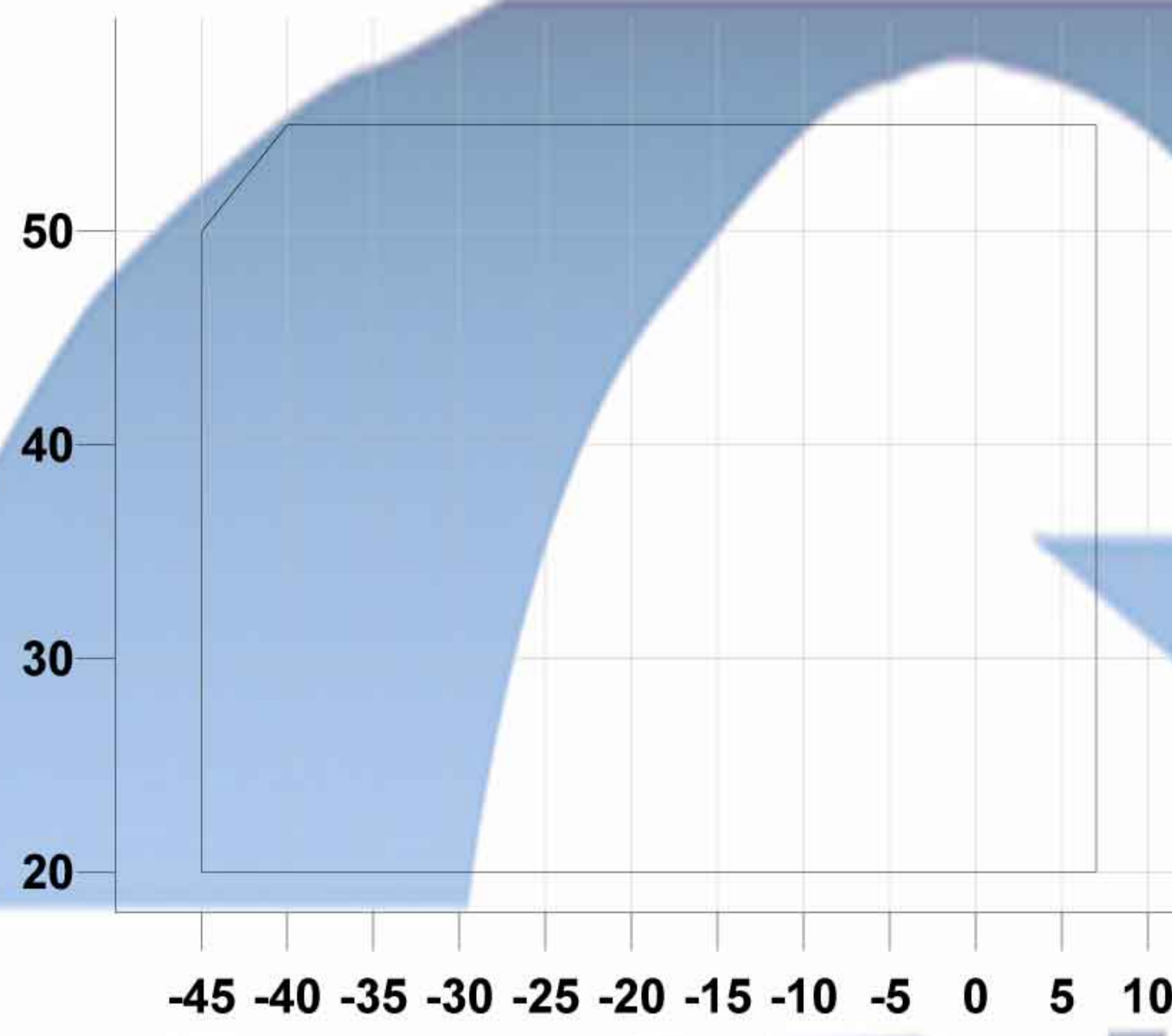




50Hz

DKJ-10X

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	0.64	0.89	1.19	1.57	2.03	2.56	3.18	3.90	4.72	5.66	6.71	7.16
25	0.55	0.78	1.07	1.43	1.85	2.35	2.94	3.61	4.38	5.25	6.24	6.67
30	0.46	0.69	0.96	1.29	1.68	2.15	2.69	3.32	4.04	4.85	5.78	6.18
35	0.38	0.59	0.85	1.15	1.52	1.95	2.45	3.03	3.70	4.46	5.31	5.69
40	0.30	0.50	0.74	1.02	1.36	1.75	2.22	2.75	3.36	4.06	4.86	5.20
45	0.22	0.41	0.64	0.90	1.20	1.56	1.98	2.47	3.03	3.67	4.40	4.72
50	0.16	0.33	0.54	0.78	1.05	1.37	1.75	2.19	2.70	3.29	3.95	4.24
55		0.26	0.44	0.66	0.91	1.19	1.53	1.92	2.38	2.90	3.51	3.77
Cond °C	Power Input kW											
	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
20	0.52	0.61	0.69	0.77	0.84	0.90	0.94	0.96	0.96	0.94	0.89	0.87
25	0.50	0.60	0.69	0.78	0.86	0.94	0.99	1.03	1.06	1.06	1.03	1.02
30	0.48	0.58	0.69	0.79	0.88	0.97	1.04	1.10	1.15	1.17	1.17	1.16
35	0.46	0.57	0.68	0.80	0.90	1.00	1.09	1.17	1.23	1.27	1.30	1.30
40	0.44	0.56	0.68	0.80	0.92	1.03	1.13	1.23	1.31	1.37	1.42	1.43
45	0.42	0.54	0.67	0.80	0.93	1.05	1.17	1.28	1.38	1.47	1.54	1.56
50	0.40	0.53	0.66	0.79	0.93	1.07	1.20	1.33	1.45	1.55	1.64	1.67
55		0.51	0.64	0.79	0.93	1.08	1.23	1.37	1.50	1.63	1.74	1.78
Cond °C	Current 400V, A											
	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
20	1.59	1.66	1.73	1.81	1.89	1.95	2.01	2.04	2.06	2.04	1.98	1.95
25	1.59	1.66	1.75	1.83	1.92	2.00	2.08	2.14	2.17	2.19	2.17	2.15
30	1.59	1.66	1.75	1.85	1.95	2.05	2.14	2.22	2.28	2.32	2.34	2.33
35	1.59	1.66	1.75	1.85	1.97	2.08	2.19	2.30	2.39	2.46	2.50	2.51
40	1.57	1.65	1.75	1.86	1.98	2.11	2.24	2.37	2.48	2.58	2.66	2.69
45	1.56	1.64	1.74	1.86	1.99	2.14	2.29	2.43	2.57	2.70	2.81	2.85
50	1.54	1.62	1.72	1.85	2.00	2.16	2.32	2.49	2.66	2.82	2.96	3.01
55		1.60	1.71	1.84	2.00	2.17	2.36	2.55	2.74	2.92	3.10	3.16
Cond °C	Mass Flow g/s											
	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	7
20	3.90	5.40	7.40	9.70	12.60	16.00	20.00	24.70	30.20	36.60	44.00	47.20
25	3.50	5.00	7.00	9.30	12.10	15.40	19.40	24.00	29.40	35.70	43.00	46.30
30	3.10	4.60	6.50	8.80	11.60	14.90	18.70	23.30	28.60	34.80	42.10	45.30
35	2.70	4.20	6.10	8.30	11.00	14.30	18.10	22.50	27.80	33.90	41.10	44.30
40	2.20	3.80	5.60	7.90	10.50	13.60	17.40	21.70	26.90	32.90	40.10	43.20
45	1.80	3.40	5.20	7.40	9.90	13.00	16.60	20.90	26.00	32.00	39.00	42.20
50	1.30	2.90	4.70	6.90	9.40	12.40	15.90	20.10	25.10	31.00	38.00	41.20
55		2.50	4.30	6.30	8.80	11.70	15.20	19.30	24.20	30.10	37.10	40.30



50Hz

DKJ-10X

R404A

DWM Copeland - Compressor - Refrigeration - Standard

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, cu.m/h	5.1
Bore/Stroke, mm	39.7/23.8
Length/Width, mm	365/235
Height, mm	280
Net Weight, kg	39
Gross Weight, kg	41
Suction, inch	5/8
Discharge, inch	1/2
Oil Quantity, l	0.6
Frequency Range, Hz	25 - 60
Base mounting (hole dia), mm	208 x 162 (11.0)
Sound Pressure @ 1m, dBA	45
High Side PS, bar(g)	28
Low Side PS, bar(g)	22.5

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

Maximum Operating Current, A	3.2
Locked Rotor Current, A	15.5
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	25W Horizontal Air Flow Fan
Additional Cooling	7W Vertical Air Flow Fan
Crankcase Heater	27W Internal
Adapter Kit	For Parallel Operation
Inverter	Control Techniques SKB 3400300

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
220-240 V/3~/60H	230	EWK	Y/DELTA	DELTA	2.09
380-420 V/3~/60H	380	EWK		Y	1.26

