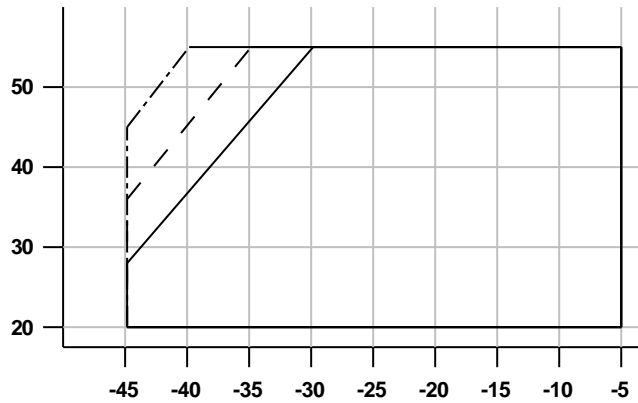


50Hz

D2SC-55X

R404A



Minimum evaporating temp. with:

- 25°C Suction Gas Return
- - - 0°C Suction Gas Return
- . - . 0°C Suction Gas Return + Fan

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
20	3.18	4.45	6.03	7.94	10.20	12.90	16.00	19.55	23.60
25	2.83	4.05	5.55	7.37	9.53	12.05	15.00	18.40	22.30
30		3.64	5.06	6.78	8.82	11.20	14.00	17.20	20.90
35		3.22	4.56	6.17	8.09	10.35	12.95	16.00	19.45
40			4.05	5.54	7.33	9.43	11.90	14.70	17.95
45			3.53	4.91	6.55	8.50	10.75	13.40	16.40
50				4.26	5.76	7.54	9.62	12.05	14.85
55				3.62	4.97	6.57	8.46	10.65	13.25
	Power Input kW								
	-45	-40	-35	-30	-25	-20	-15	-10	-5
20	2.20	2.66	3.11	3.53	3.90	4.19	4.41	4.51	4.50
25	2.17	2.67	3.18	3.67	4.11	4.51	4.82	5.05	5.16
30		2.66	3.22	3.77	4.29	4.77	5.19	5.53	5.76
35		2.61	3.22	3.83	4.42	4.98	5.50	5.94	6.30
40			3.18	3.85	4.51	5.15	5.75	6.30	6.78
45			3.12	3.83	4.55	5.26	5.95	6.60	7.19
50				3.77	4.55	5.33	6.10	6.84	7.53
55				3.68	4.51	5.35	6.20	7.03	7.82
	Current 400V, A								
	-45	-40	-35	-30	-25	-20	-15	-10	-5
20	5.99	6.28	6.67	7.10	7.54	7.94	8.27	8.47	8.51
25	6.07	6.39	6.83	7.33	7.85	8.35	8.79	9.13	9.32
30		6.45	6.93	7.49	8.09	8.69	9.24	9.71	10.04
35		6.46	6.98	7.60	8.28	8.97	9.63	10.21	10.69
40			7.00	7.67	8.42	9.20	9.96	10.67	11.27
45			7.00	7.72	8.53	9.39	10.25	11.07	11.81
50				7.76	8.63	9.57	10.52	11.45	12.32
55				7.80	8.73	9.74	10.78	11.82	12.81
	Mass Flow g/s								
	-45	-40	-35	-30	-25	-20	-15	-10	-5
20	19.30	27.10	36.80	48.60	62.80	79.50	99.50	122.50	149.50
25	18.00	25.80	35.50	47.30	61.50	78.50	98.00	121.00	148.00
30		24.40	34.10	45.80	59.90	76.50	96.50	119.50	146.50
35		22.80	32.40	44.10	58.00	74.70	94.50	117.50	144.00
40			30.50	42.00	55.90	72.40	92.00	115.00	141.50
45			28.40	39.80	53.40	69.80	89.00	112.00	139.00
50				37.20	50.70	66.80	86.00	109.00	136.00
55				34.40	47.60	63.50	82.50	105.50	132.50

DWM Copeland - Compressor - Refrigeration - Standard

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, cu.m/h	26.8
Bore/Stroke, mm	60.3/54.0
Length/Width, mm	560/330
Height, mm	395
Net Weight, kg	91
Gross Weight, kg	96
Suction, inch	1 1/8
Discharge, inch	7/8
Oil Quantity, l	2.4
Frequency Range, Hz	25 - 60
Base mounting (hole dia), mm	295 x 279 (14.0)
Sound Pressure @ 1m, dBA	66.5
Sound Power, dBA	77.5
High Side PS, bar(g)	28
Low Side PS, bar(g)	22.5

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

Maximum Operating Current, A	13.1
Locked Rotor Current, A	74.1
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4

ACCESSORIES OPTIONAL

Additional Cooling	70W Vertical Air Flow Fan
Crankcase Heater	70W Internal
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
Adapter Kit	For Parallel Operation
Check Valve (NRV)	For unloaded start operation
Inverter	Control Techniques SK 2403

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
500-550 V/3~/50H	525	TWY		DELTA	0.76
220-240 V/3~/60H	230	EWK	Y/DELTA	DELTA	2.09
380-420 V/3~/60H	380	EWK		Y	1.26
250-280 V/3~/60H	265	EWN	Y/DELTA	DELTA	1.73
440-480 V/3~/60H	460	EWN		Y	1.00
440-480 V/3~/60H	460	EWD	Y/DELTA	DELTA	1.00