



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return
- 20 K suction Superheat
- 20 K suction Superheat + fan
- Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Evaporating Temperature, °C

Liquid Subcooling 0.0K

Cond °C	Cooling Capacity, kW							
	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
10.0			7.63	9.81	12.40	15.40	18.95	23.00
15.0			7.15	9.26	11.75	14.70	18.10	22.00
20.0			6.65	8.70	11.10	13.95	17.20	21.00
25.0			6.15	8.12	10.45	13.15	16.35	20.00
30.0			5.64	7.54	9.78	12.40	15.45	18.95
35.0				6.96	9.11	11.60	14.55	17.95
40.0					8.44	10.85	13.65	16.90
45.0					7.77	10.05	12.75	15.85
50.0						9.30	11.85	14.80
55.0							10.95	13.80
60.0							10.10	12.75
62.0							9.74	12.35

Cond °C	Power, kW							
	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
10.0			2.90	3.08	3.18	3.20	3.12	2.92
15.0			3.07	3.31	3.49	3.59	3.60	3.50
20.0			3.20	3.51	3.76	3.94	4.04	4.04
25.0			3.30	3.67	4.00	4.26	4.45	4.55
30.0			3.37	3.81	4.21	4.55	4.83	5.03
35.0				3.92	4.40	4.82	5.19	5.48
40.0					4.56	5.07	5.53	5.92
45.0					4.72	5.30	5.85	6.34
50.0						5.53	6.16	6.74
55.0							6.46	7.14
60.0							6.77	7.54
62.0							6.89	7.70

Cond °C	Current at 400 V, A							
	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
10.0			6.09	6.39	6.58	6.65	6.57	6.30
15.0			6.33	6.69	6.96	7.12	7.14	7.00
20.0			6.54	6.96	7.31	7.56	7.69	7.67
25.0			6.72	7.20	7.63	7.97	8.21	8.31
30.0			6.88	7.42	7.93	8.36	8.71	8.94
35.0				7.62	8.20	8.73	9.19	9.54
40.0					8.46	9.08	9.65	10.12
45.0					8.69	9.41	10.09	10.69
50.0						9.73	10.52	11.25
55.0							10.93	11.79
60.0							11.34	12.33
62.0							11.50	12.54

50Hz

D2SC-550

R22

Cond °C	Mass Flow, g/s							
	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
10.0			35.70	46.00	58.30	72.80	89.90	110.00
15.0			34.40	44.70	57.00	71.40	88.40	108.00
20.0			33.00	43.30	55.50	69.90	86.80	106.50
25.0			31.50	41.70	53.90	68.20	85.00	104.50
30.0			29.80	40.00	52.10	66.40	83.10	102.50
35.0				38.20	50.30	64.40	81.10	100.50
40.0					48.30	62.40	78.90	98.30
45.0					46.20	60.20	76.70	96.00
50.0						58.00	74.40	93.60
55.0							72.00	91.10
60.0							69.50	88.60
62.0							68.50	87.60

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /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
Oil type (original charge)	Suniso 3GS
Oil type (approved oils)	Suniso 3GS, TEXACO Capella WF 32, FUCHS Reniso KM
Base mounting (hole dia), mm	295 x 279 (14.0)
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	12.8
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	70 W Vertical Air Flow Fan
Crankcase Heater	70 W Internal
Oil Pressure Switch	OPS2 Electronic Switch
Unloaded start	Available
Adapter Kit	For Parallel Operation
Check Valve	For unloaded start operation

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
EWL	380-420 V / 3~ / 50 Hz	400		Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
TWY	500-550 V / 3~ / 50 Hz	525		DELTA	0.76
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20
EWN	250-280 V / 3~ / 60 Hz	265	Y/DELTA	DELTA	1.73
EWN	440-480 V / 3~ / 60 Hz	460		Y	1.00
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	1.00