



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			9.39	11.90	14.90	18.40	22.50	27.20
15.0			8.82	11.25	14.15	17.50	21.40	26.00
20.0			8.24	10.60	13.35	16.60	20.40	24.70
25.0			7.67	9.92	12.55	15.70	19.30	23.50
30.0			7.09	9.25	11.80	14.75	18.25	22.20
35.0				8.59	11.00	13.85	17.15	21.00
40.0					10.25	12.95	16.10	19.75
45.0					9.48	12.05	15.05	18.50
50.0						11.15	14.00	17.30
55.0							12.95	16.05
60.0							11.95	14.85
62.0							11.50	14.35

Cond °C	Power, kW							
	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-
10.0			3.48	3.68	3.78	3.73	3.52	3.10
15.0			3.70	3.99	4.19	4.27	4.20	3.95
20.0			3.88	4.24	4.54	4.74	4.81	4.72
25.0			4.01	4.44	4.83	5.14	5.35	5.41
30.0			4.11	4.61	5.08	5.49	5.82	6.03
35.0				4.74	5.29	5.80	6.25	6.60
40.0					5.47	6.08	6.64	7.13
45.0					5.65	6.34	7.01	7.62
50.0						6.58	7.35	8.09
55.0							7.69	8.54
60.0							8.04	9.00
62.0							8.18	9.18

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			7.91	8.18	8.38	8.49	8.53	8.52
15.0			8.15	8.51	8.77	8.96	9.09	9.16
20.0			8.38	8.81	9.16	9.44	9.65	9.82
25.0			8.56	9.09	9.53	9.90	10.22	10.48
30.0			8.71	9.34	9.88	10.36	10.78	11.16
35.0				9.55	10.21	10.80	11.34	11.83
40.0					10.51	11.22	11.89	12.51
45.0					10.78	11.62	12.42	13.18
50.0						11.99	12.93	13.84
55.0							13.42	14.48
60.0							13.89	15.11
62.0							14.06	15.35

50Hz

D2SK-650

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			43.90	55.90	70.20	87.00	107.00	130.00
15.0			42.50	54.30	68.50	85.20	105.00	127.50
20.0			40.90	52.70	66.70	83.30	102.50	125.50
25.0			39.30	51.00	64.80	81.20	100.50	123.00
30.0			37.50	49.10	62.90	79.10	98.10	120.50
35.0				47.20	60.80	76.90	95.70	117.50
40.0					58.70	74.50	93.20	115.00
45.0					56.50	72.10	90.50	112.00
50.0						69.60	87.80	109.00
55.0							85.10	106.00
60.0							82.20	103.00
62.0							81.10	102.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	31.2
Bore/Stroke, mm	65.1/54.0
Length/Width, mm	560/330
Height, mm	395
Net Weight, kg	92
Gross Weight, kg	97
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	15.7
Locked Rotor Current, A	85.3
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

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
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