



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return + 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-	0.0	5.0	7.0	10.0	12.5
30.0	0.44	0.64	0.86	1.13	1.45	1.82	2.25	2.75	3.33	4.00	4.29	4.76	5.18
35.0	0.39	0.57	0.78	1.04	1.34	1.70	2.11	2.59	3.14	3.78	4.05	4.50	4.91
40.0	0.32	0.50	0.71	0.95	1.24	1.58	1.97	2.43	2.95	3.55	3.82	4.24	4.62
45.0	0.26	0.43	0.63	0.86	1.14	1.46	1.82	2.26	2.75	3.32	3.57	3.98	4.34
50.0	0.20	0.36	0.55	0.77	1.02	1.33	1.68	2.09	2.56	3.09	3.33	3.71	4.05
55.0	0.14	0.29	0.47	0.68	0.92	1.20	1.54	1.92	2.36	2.86	3.08	3.44	3.76
60.0		0.22	0.39	0.58	0.81	1.08	1.39	1.74	2.16	2.63			
62.0		0.20	0.36	0.55	0.77	1.03	1.33	1.68	2.08				

50Hz

DKM-100

R22

Cond °C	Power, kW												
	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
30.0	0.43	0.48	0.54	0.59	0.64	0.69	0.72	0.75	0.77	0.77	0.77	0.76	0.75
35.0	0.42	0.48	0.55	0.61	0.67	0.72	0.77	0.82	0.85	0.87	0.88	0.88	0.88
40.0	0.40	0.47	0.55	0.62	0.69	0.76	0.82	0.88	0.93	0.97	0.98	1.00	1.01
45.0	0.38	0.46	0.54	0.63	0.71	0.79	0.86	0.94	1.01	1.06	1.08	1.12	1.14
50.0	0.36	0.45	0.54	0.63	0.72	0.81	0.90	0.99	1.08	1.16	1.18	1.23	1.26
55.0	0.33	0.42	0.52	0.63	0.73	0.84	0.94	1.04	1.14	1.24	1.28	1.33	1.38
60.0		0.40	0.51	0.62	0.74	0.85	0.97	1.09	1.21	1.32			
62.0		0.39	0.50	0.62	0.74	0.86	0.98	1.10	1.24				

Cond °C	Current at 400 V, A												
	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
30.0	1.59	1.63	1.67	1.72	1.77	1.81	1.85	1.88	1.89	1.90	1.90	1.89	1.87
35.0	1.58	1.63	1.68	1.73	1.79	1.85	1.90	1.94	1.98	2.01	2.01	2.02	2.02
40.0	1.57	1.62	1.68	1.74	1.81	1.88	1.95	2.01	2.07	2.12	2.13	2.15	2.17
45.0	1.56	1.61	1.68	1.75	1.83	1.91	2.00	2.08	2.16	2.23	2.26	2.30	2.32
50.0	1.54	1.60	1.67	1.75	1.84	1.94	2.04	2.15	2.25	2.35	2.38	2.44	2.48
55.0	1.53	1.59	1.66	1.75	1.85	1.96	2.08	2.21	2.33	2.46	2.51	2.58	2.64
60.0		1.57	1.65	1.75	1.86	1.98	2.12	2.27	2.42	2.57			
62.0		1.56	1.64	1.74	1.86	1.99	2.13	2.29	2.45				

Cond °C	Mass Flow, g/s												
	40.0-	35.0-	30.0-	25.0-	20.0-	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
30.0	2.34	3.35	4.57	6.01	7.73	9.75	12.15	14.90	18.15	22.00	23.70	26.40	28.90
35.0	2.10	3.10	4.30	5.73	7.43	9.43	11.80	14.55	17.75	21.50	23.20	25.90	28.40
40.0	1.84	2.83	4.01	5.43	7.10	9.08	11.40	14.10	17.30	21.00	22.70	25.40	27.80
45.0	1.56	2.53	3.70	5.10	6.75	8.70	11.00	13.70	16.80	20.50	22.10	24.80	27.20
50.0	1.25	2.21	3.37	4.74	6.37	8.30	10.55	13.20	16.30	19.90	21.50	24.10	26.50
55.0	0.91	1.86	3.00	4.36	5.96	7.86	10.10	12.70	15.75	19.30	20.90	23.40	25.80
60.0		1.50	2.61	3.95	5.53	7.39	9.57	12.15	15.10	18.60			
62.0		1.34	2.45	3.78	5.34	7.19	9.36	11.90	14.85				

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	3.97
Bore/Stroke, mm	34.9/23.8
Length/Width, mm	355/235
Height, mm	280
Net Weight, kg	39
Gross Weight, kg	41
Suction, inch	5/8
Discharge, inch	1/2
Oil Quantity, l	0.65
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	208 x 162 (11.0)
Sound Pressure @ 1m, dBA	45
Sound Power, dBA	56
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	2.7
Locked Rotor Current, A	15.5
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED**ACCESSORIES OPTIONAL**

Additional Cooling	1 or 2 ways water Coil
Additional Cooling	7 W Vertical Air Flow Fan
Oil Control System	ALCO Trax-Oil OM3

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
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20