



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	0.58	0.81	1.09	1.44	1.86	2.37	2.95	3.63	4.40	5.27	5.64	6.24	6.77
35.0	0.52	0.73	1.00	1.34	1.74	2.21	2.76	3.41	4.14	4.97	5.33	5.90	6.40
40.0	0.46	0.66	0.91	1.23	1.60	2.05	2.58	3.19	3.88	4.67	5.01	5.55	6.04
45.0	0.40	0.59	0.82	1.12	1.48	1.90	2.39	2.97	3.62	4.37	4.70	5.21	5.67
50.0	0.34	0.51	0.74	1.01	1.34	1.74	2.21	2.75	3.37	4.08	4.38	4.87	5.31
55.0		0.44	0.65	0.91	1.22	1.59	2.02	2.53	3.12	3.78	4.07	4.54	4.95
60.0			0.56	0.80	1.09	1.44	1.84	2.32	2.86	3.49	3.76	4.20	4.59
62.0			0.52	0.76	1.03	1.37	1.76	2.23	2.76	3.37	3.64	4.07	4.44

50Hz

DKJ-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	0.50	0.58	0.65	0.72	0.79	0.84	0.89	0.92	0.93	0.92	0.91	0.88	0.85
35.0	0.50	0.58	0.67	0.75	0.83	0.90	0.96	1.00	1.03	1.04	1.03	1.02	1.01
40.0	0.50	0.59	0.68	0.77	0.86	0.94	1.02	1.08	1.12	1.16	1.16	1.16	1.16
45.0	0.50	0.59	0.69	0.79	0.89	0.98	1.07	1.15	1.22	1.27	1.28	1.30	1.30
50.0	0.49	0.58	0.69	0.80	0.91	1.02	1.12	1.22	1.30	1.36	1.39	1.42	1.44
55.0		0.58	0.69	0.80	0.92	1.04	1.16	1.27	1.38	1.46	1.50	1.54	1.56
60.0			0.68	0.80	0.93	1.06	1.20	1.32	1.44	1.55	1.59	1.64	1.69
62.0			0.67	0.80	0.94	1.08	1.21	1.34	1.47	1.58	1.63	1.69	1.74

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	1.51	1.58	1.65	1.73	1.80	1.86	1.91	1.95	1.96	1.95	1.94	1.91	1.88
35.0	1.51	1.58	1.66	1.75	1.83	1.91	1.98	2.04	2.08	2.09	2.09	2.08	2.06
40.0	1.51	1.59	1.68	1.77	1.87	1.96	2.05	2.13	2.19	2.23	2.24	2.24	2.24
45.0	1.50	1.59	1.68	1.79	1.90	2.01	2.11	2.21	2.29	2.36	2.38	2.40	2.41
50.0	1.49	1.58	1.69	1.80	1.93	2.05	2.17	2.29	2.39	2.48	2.51	2.55	2.58
55.0		1.58	1.69	1.81	1.95	2.09	2.23	2.36	2.49	2.60	2.64	2.70	2.74
60.0			1.68	1.82	1.96	2.12	2.27	2.43	2.58	2.71	2.76	2.83	2.89
62.0			1.68	1.82	1.97	2.13	2.29	2.45	2.61	2.75	2.81	2.89	2.94

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	3.08	4.26	5.78	7.66	9.95	12.65	15.90	19.65	24.00	29.00	31.10	34.70	37.80
35.0	2.85	4.01	5.49	7.33	9.57	12.25	15.40	19.10	23.40	28.30	30.50	34.00	37.10
40.0	2.61	3.74	5.19	6.99	9.18	11.80	14.90	18.55	22.80	27.60	29.80	33.20	36.30
45.0	2.35	3.46	4.88	6.64	8.78	11.35	14.40	17.95	22.10	26.90	29.10	32.50	35.60
50.0	2.07	3.16	4.54	6.26	8.35	10.85	13.85	17.35	21.50	26.20	28.30	31.70	34.80
55.0		2.83	4.17	5.85	7.90	10.35	13.30	16.75	20.80	25.50	27.60	30.90	34.00
60.0			3.78	5.41	7.41	9.81	12.70	16.10	20.10	24.70	26.80	30.10	33.20
62.0			3.61	5.22	7.20	9.58	12.45	15.80	19.75	24.40	26.50	29.80	32.80

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	5.13
Bore/Stroke, mm	39.7/23.8
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