



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	2.24	3.10	4.21	5.58	7.21	9.11	11.30	13.75	16.50	19.55	20.80	22.90	24.70
35.0	2.00	2.80	3.85	5.14	6.68	8.48	10.55	12.85	15.45	18.35	19.60	21.50	23.20
40.0	1.76	2.52	3.51	4.72	6.17	7.87	9.81	12.00	14.45	17.20	18.35	20.20	21.80
45.0		2.26	3.18	4.32	5.69	7.29	9.12	11.20	13.50	16.10	17.20	18.95	20.40
50.0		2.01	2.87	3.95	5.23	6.73	8.45	10.40	12.60	15.00	16.05	17.70	19.10
55.0		1.78	2.59	3.59	4.79	6.19	7.80	9.63	11.70	13.95			
60.0			2.32	3.25	4.37	5.68	7.18	8.89	10.80				
62.0			2.22	3.12	4.21	5.48	6.94	8.60					

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	1.70	1.98	2.26	2.54	2.80	3.04	3.24	3.39	3.49	3.51	3.49	3.44	3.37
35.0	1.71	2.00	2.31	2.62	2.92	3.20	3.45	3.66	3.81	3.90	3.91	3.90	3.87
40.0	1.71	2.02	2.35	2.69	3.03	3.35	3.65	3.91	4.12	4.27	4.31	4.34	4.35
45.0		2.03	2.39	2.76	3.13	3.49	3.84	4.14	4.41	4.62	4.68	4.76	4.80
50.0		2.04	2.42	2.82	3.22	3.62	4.01	4.37	4.69	4.96	5.05	5.16	5.24
55.0		2.05	2.45	2.87	3.31	3.74	4.17	4.58	4.95	5.28			
60.0			2.48	2.92	3.39	3.86	4.33	4.78	5.21				
62.0			2.49	2.95	3.42	3.91	4.39	4.86					

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	4.34	4.59	4.87	5.18	5.49	5.77	6.02	6.22	6.33	6.36	6.33	6.26	6.17
35.0	4.34	4.61	4.93	5.27	5.63	5.97	6.28	6.55	6.75	6.86	6.87	6.86	6.82
40.0	4.34	4.63	4.98	5.36	5.76	6.16	6.53	6.87	7.15	7.35	7.40	7.45	7.46
45.0		4.65	5.02	5.44	5.88	6.33	6.77	7.18	7.53	7.82	7.91	8.02	8.08
50.0		4.66	5.05	5.51	6.00	6.50	7.00	7.48	7.91	8.29	8.41	8.58	8.69
55.0		4.66	5.09	5.57	6.10	6.66	7.22	7.77	8.28	8.74			
60.0			5.11	5.63	6.21	6.81	7.43	8.05	8.64				
62.0			5.12	5.66	6.25	6.87	7.52	8.16					

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	11.80	16.35	22.30	29.60	38.40	48.70	60.70	74.40	89.90	107.50	115.00	127.00	137.50
35.0	10.90	15.30	21.10	28.30	36.90	47.00	58.70	72.10	87.40	104.50	112.00	124.00	134.50
40.0	9.98	14.30	19.95	26.90	35.40	45.30	56.80	69.90	84.90	102.00	109.00	121.00	131.50
45.0		13.30	18.80	25.60	33.90	43.60	54.90	67.80	82.50	99.20	106.50	118.00	128.00
50.0		12.35	17.70	24.40	32.40	42.00	53.00	65.70	80.20	96.50	103.50	115.00	125.00
55.0		11.40	16.65	23.20	31.10	40.40	51.20	63.70	77.90	94.00			
60.0			15.65	22.00	29.80	38.90	49.50	61.70	75.70				
62.0			15.25	21.60	29.30	38.30	48.90	61.00					

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	18.2
Bore/Stroke, mm	60.4/36.5
Length/Width, mm	460/330
Height, mm	385
Net Weight, kg	87
Gross Weight, kg	93
Suction, inch	1 1/8
Discharge, inch	5/8
Oil Quantity, l	2
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)
Sound Pressure @ 1m, dBA	62.6
Sound Power, dBA	73.6
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	9.9
Locked Rotor Current, A	58.9
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Mounting Springs	4
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**ACCESSORIES OPTIONAL**

Additional Cooling	1 or 2 ways water Coil
Additional Cooling	70 W Vertical Air Flow Fan
Additional Cooling	25 W Horizontal Air Flow Fan
Crankcase Heater	70 W Internal
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3

**MOTOR OPTIONS**

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