



Minimum Evaporating Temp. With:

— 25 °C Suction Gas Return

— Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Evaporating Temperature, °C

Liquid Subcooling 0.0K

Cond °C	Cooling Capacity, kW							
	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
21.0	7.75	9.92	12.45	15.40	18.80	20.30	22.80	25.00
25.0	7.25	9.34	11.75	14.60	17.90	19.35	21.70	23.80
30.0	6.58	8.57	10.85	13.50	16.60	18.00	20.20	22.20
35.0	5.94	7.84	10.00	12.50	15.40	16.65	18.75	20.60
40.0	5.35	7.15	9.18	11.50	14.20	15.40	17.35	19.10
45.0	4.82	6.52	8.43	10.60	13.10	14.20	16.00	17.65
50.0	4.36	5.97	7.75	9.76	12.10	13.10	14.75	16.25
55.0	3.98	5.50	7.15	9.01	11.15	12.10	13.60	15.00
60.0	3.69	5.12	6.65	8.36	10.30	11.15	12.55	13.80

Cond °C	Power, kW							
	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
21.0	2.36	2.53	2.63	2.66	2.60	2.56	2.46	2.35
25.0	2.44	2.64	2.78	2.86	2.86	2.83	2.76	2.68
30.0	2.53	2.78	2.97	3.11	3.17	3.17	3.15	3.10
35.0	2.60	2.89	3.14	3.33	3.45	3.48	3.49	3.48
40.0	2.66	2.99	3.28	3.52	3.70	3.75	3.81	3.83
45.0	2.72	3.08	3.42	3.70	3.93	4.00	4.09	4.14
50.0	2.78	3.17	3.54	3.87	4.14	4.23	4.35	4.43
55.0	2.85	3.27	3.67	4.03	4.34	4.46	4.60	4.71
60.0	2.93	3.38	3.80	4.19	4.55	4.67	4.85	4.98

Cond °C	Current at 400 V, A							
	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
21.0	6.57	6.76	6.89	6.95	6.89	6.83	6.68	6.52
25.0	6.70	6.94	7.14	7.26	7.28	7.25	7.15	7.03
30.0	6.83	7.15	7.43	7.65	7.76	7.77	7.74	7.67
35.0	6.92	7.32	7.68	7.98	8.19	8.24	8.27	8.25
40.0	7.00	7.46	7.89	8.28	8.57	8.66	8.75	8.78
45.0	7.06	7.59	8.09	8.55	8.93	9.05	9.20	9.28
50.0	7.14	7.72	8.29	8.82	9.28	9.43	9.63	9.75
55.0	7.23	7.87	8.50	9.10	9.63	9.81	10.06	10.23
60.0	7.37	8.05	8.74	9.40	10.00	10.21	10.51	10.72

Cond °C	Mass Flow, g/s							
	15.0-	10.0-	5.0-	0.0	5.0	7.0	10.0	12.5
21.0	39.20	50.40	63.60	79.20	97.60	106.00	119.50	131.50
25.0	37.50	48.60	61.60	76.90	95.00	103.00	116.50	128.50
30.0	35.20	46.10	58.80	73.70	91.30	99.20	112.00	124.00
35.0	32.90	43.70	56.10	70.60	87.60	95.30	108.00	119.50
40.0	30.80	41.40	53.40	67.50	84.10	91.60	103.50	115.00
45.0	28.90	39.30	51.10	64.70	80.80	88.00	99.70	110.50
50.0	27.20	37.50	49.00	62.20	77.70	84.70	96.10	106.50
55.0	26.00	36.10	47.30	60.10	75.10	81.80	92.80	103.00
60.0	25.30	35.30	46.20	58.60	73.00	79.40	90.00	99.70

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	2
Displacement @ 50 Hz, m <sup>3</sup> /h	16.3
Bore/Stroke, mm	57.2/36.5
Length/Width, mm	513/330
Height, mm	390
Net Weight, kg	110
Oil type (original charge)	Suniso 3GS
Oil type (approved oils)	Suniso 3GS, TEXACO Capella WF 32, FUCHS Reniso KM
Base mounting (hole dia), mm	381 x 305 (0.0)
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)**

Locked Rotor Current, A	62.5
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

**ACCESSORIES OPTIONAL**

**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>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFC	200-240 V / 3~ / 50 Hz	200		Y	1.00
TFE	500 V / 3~ / 50 Hz	500		Y	0.80
TFD	460 V / 3~ / 60 Hz	460		Y	1.04
TFC	208-230 V / 3~ / 60 Hz	220		Y	2.18
TFE	575 V / 3~ / 60 Hz	575		Y	0.80
TF7	380 V / 3~ / 60 Hz	380		Y	1.26