



Minimum Evaporating Temp. With:

- 25 °C Suction Gas Return — 10 K Suction Superheat
- Maximum Evaporating Temperature — Maximum Pressure Limit

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Ambient °C	Cooling Capacity, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	1.61	2.13	2.72	3.39	4.14	4.98	5.90	6.30	6.91	7.45
32.0	1.44	1.94	2.50	3.14	3.86	4.66	5.55	5.92	6.51	7.03
38.0		1.68	2.22	2.82	3.50	4.25	5.09	5.44	6.00	6.49
43.0			1.96	2.54	3.18	3.89	4.68	5.01	5.54	6.01
46.0				2.35	2.97	3.66	4.42	4.75	5.26	5.71
49.0					2.75	3.42	4.15	4.47	4.96	5.40

Ambient °C	Total Power Input, kW									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	1.35	1.38	1.40	1.41	1.42	1.45	1.49	1.52	1.56	1.60
32.0	1.52	1.55	1.56	1.58	1.59	1.61	1.65	1.68	1.72	1.76
38.0		1.81	1.82	1.82	1.82	1.84	1.88	1.90	1.94	1.98
43.0			2.07	2.07	2.06	2.07	2.10	2.12	2.16	2.20
46.0				2.24	2.23	2.23	2.25	2.27	2.30	2.34
49.0					2.41	2.41	2.42	2.43	2.46	2.50

Ambient °C	Current at 400 V, A									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	2.23	2.25	2.25	2.25	2.26	2.29	2.34	2.37	2.43	2.50
32.0	2.37	2.40	2.42	2.42	2.43	2.45	2.51	2.54	2.59	2.66
38.0		2.65	2.67	2.68	2.69	2.71	2.75	2.78	2.84	2.89
43.0			2.94	2.95	2.95	2.97	3.01	3.04	3.09	3.14
46.0				3.14	3.14	3.16	3.19	3.21	3.26	3.31
49.0					3.36	3.36	3.39	3.41	3.46	3.50

Ambient °C	Mass Flow, g/s									
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5
27.0	9.68	12.65	16.05	19.90	24.20	29.10	34.50	36.80	40.50	43.70
32.0	9.06	12.10	15.50	19.35	23.70	28.50	33.90	36.20	39.90	43.10
38.0		11.25	14.65	18.50	22.80	27.60	33.00	35.40	39.00	42.30
43.0			13.75	17.60	21.90	26.70	32.10	34.40	38.10	41.40
46.0				16.95	21.20	26.00	31.40	33.80	37.50	40.70
49.0					20.50	25.30	30.70	33.00	36.70	40.00

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	H8/271
Number of Fans	1
Total Fan Power Input, W	235
Depth/Width, mm	680/735
Height, mm	533
Base mounting (hole dia), mm	700 x 370 (14)
Gross Weight, kg	72
Net Weight, kg	57
Receiver Capacity, l	7.9
Liquid Line, inch	1/2
Air Flow, m ³ /s	1
Suction Type	Rotalock Valve
Suction Diameter, inch	3/4
Sound Pressure @ 10m, dBA	49

CONDENSING UNIT ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Condenser Fan Current for 1 fan (single phase)	1.15 / 1.4
Compressor Maximum Operating Current, A	4.9
Compressor Locked Rotor Current, A	26

ACCESSORIES INCLUDED

Crankcase Heater	70 W External
Electric box (W x H x D), mm	140 x 205 x 60
HP/LP Switch	ALCO PS2-W7A

ACCESSORIES OPTIONAL

Housing	H
Fan speed control	ALCO FSX41S for R134a
Fan speed control	ALCO FSX42S

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>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00