



Minimum Evaporating Temp. With:

— 25 °C Suction Gas Return Liquid injection

— Maximum Evaporating Temperature

— Maximum Pressure Limit

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Ambient °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
27.0	1.67	2.10	2.59	3.15	3.78	4.48	5.26	6.11	7.03	8.01	8.43
32.0	1.58	1.98	2.44	2.95	3.53	4.17	4.89	5.67	6.52	7.43	7.82
38.0	1.46	1.82	2.23	2.70	3.21	3.79	4.43	5.13	5.89	6.72	7.07
43.0	1.34	1.68	2.05	2.47	2.93	3.45	4.03	4.66	5.35	6.10	6.42
46.0	1.27	1.59	1.94	2.32	2.76	3.24	3.78	4.37	5.02		
49.0	1.20				2.58	3.02	3.52				

Ambient °C	Total Power Input, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
27.0	1.76	1.80	1.87	1.96	2.06	2.18	2.33	2.49	2.67	2.86	2.95
32.0	1.92	1.96	2.02	2.10	2.20	2.33	2.47	2.63	2.81	3.00	3.09
38.0	2.14	2.18	2.23	2.31	2.40	2.52	2.66	2.82	3.00	3.19	3.27
43.0	2.35	2.38	2.43	2.50	2.59	2.71	2.84	3.00	3.17	3.37	3.45
46.0	2.49	2.51	2.56	2.62	2.71	2.83	2.96	3.11	3.29		
49.0	2.64				2.85	2.96	3.09				

Ambient °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
27.0	4.43	4.46	4.50	4.57	4.65	4.75	4.87	5.02	5.20	5.40	5.49
32.0	4.54	4.57	4.61	4.68	4.76	4.87	5.00	5.15	5.34	5.55	5.65
38.0	4.70	4.73	4.78	4.85	4.94	5.05	5.18	5.34	5.53	5.76	5.86
43.0	4.88	4.91	4.95	5.02	5.11	5.22	5.36	5.53	5.73	5.96	6.06
46.0	5.00	5.03	5.07	5.14	5.23	5.34	5.48	5.65	5.85		
49.0	5.14				5.36	5.48	5.62				

Ambient °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
27.0	11.55	14.75	18.45	22.80	28.00	34.00	41.10	49.40	59.20	70.80	76.10
32.0	11.55	14.70	18.40	22.70	27.80	33.70	40.70	48.90	58.70	70.40	75.70
38.0	11.55	14.65	18.25	22.50	27.40	33.20	40.10	48.30	58.10	69.90	75.30
43.0	11.50	14.55	18.10	22.20	27.10	32.80	39.60	47.70	57.60	69.70	75.30
46.0	11.40	14.50	18.00	22.00	26.80	32.50	39.20	47.40	57.30		
49.0	11.35				26.50	32.10	38.90				

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	81
Net Weight, kg	66
Receiver Capacity, l	7.9
Liquid Line, inch	1/2
Air Flow, m ³ /s	1
Suction Type	Rotalock Valve
Suction Diameter, inch	7/8
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	6
Compressor Locked Rotor Current, A	40

ACCESSORIES INCLUDED

Crankcase Heater	70 W External
Liquid Injection	DTC Valve
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 FSX42S

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFD	460 V / 3~ / 60 Hz	460		Y	1.04