



Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 20 °C Suction Gas Return
- Maximum Evaporating Temperature — Maximum Pressure Limit

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

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
27.0		3.92	4.82	5.83	6.95	8.17	9.51	10.05	10.95
32.0		3.64	4.49	5.44	6.50	7.66	8.92	9.45	10.30
38.0			4.10	4.99	5.97	7.05	8.22	8.72	9.48
43.0				4.63	5.55				
46.0									
49.0									

Ambient °C	Total Power Input, kW								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0		2.46	2.57	2.68	2.82	2.96	3.12	3.19	3.29
32.0		2.74	2.84	2.96	3.09	3.24	3.39	3.46	3.55
38.0			3.21	3.33	3.46	3.59	3.74	3.81	3.90
43.0				3.66	3.79				
46.0									
49.0									

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
27.0		4.49	4.62	4.76	4.93	5.11	5.31	5.40	5.53
32.0		4.83	4.96	5.11	5.28	5.46	5.67	5.75	5.88
38.0			5.43	5.58	5.75	5.94	6.14	6.22	6.35
43.0				6.03	6.20				
46.0									
49.0									

Ambient °C	Mass Flow, g/s								
	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
27.0		22.70	28.60	35.50	43.60	53.20	64.50	69.60	78.00
32.0		22.20	28.00	34.90	43.00	52.60	64.00	69.20	77.70
38.0			27.30	34.20	42.40	52.00	63.60	68.90	77.60
43.0				33.80	42.00				
46.0									
49.0									

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	77
Net Weight, kg	62
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	8.9
Compressor Locked Rotor Current, A	46

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

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