



Minimum Evaporating Temp. With:

- 20 °C Suction Gas Return ASERCOM certified Liquid injection
- 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	3.00	3.76	4.65	5.67	6.82	8.11	9.54	11.10	12.75	14.55	15.30
32.0	2.81	3.53	4.35	5.29	6.35	7.54	8.85	10.30	11.80	13.45	14.15
38.0	2.58	3.23	3.97	4.82	5.77	6.82	7.99	9.27	10.65	12.15	12.75
43.0	2.38	2.98	3.65	4.41	5.26	6.21	7.26	8.41	9.65	11.00	11.55
46.0	2.26	2.82	3.45	4.16	4.95	5.83	6.81	7.88	9.04		
49.0	2.14	2.66	3.25	3.90	4.63	5.45	6.35				

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	2.93	3.10	3.28	3.47	3.69	3.93	4.22	4.54	4.92	5.35	5.53
32.0	3.17	3.36	3.55	3.75	3.98	4.23	4.52	4.84	5.22	5.64	5.83
38.0	3.49	3.70	3.92	4.14	4.38	4.64	4.94	5.27	5.64	6.07	6.25
43.0	3.79	4.04	4.28	4.52	4.77	5.04	5.34	5.67	6.05	6.47	6.66
46.0	3.99	4.26	4.51	4.76	5.02	5.30	5.61	5.94	6.32		
49.0	4.21	4.49	4.76	5.03	5.30	5.59	5.90				

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	6.40	6.53	6.64	6.74	6.87	7.04	7.31	7.69	8.23	8.98	9.34
32.0	6.56	6.69	6.80	6.92	7.09	7.32	7.65	8.12	8.77	9.65	10.07
38.0	6.77	6.92	7.08	7.26	7.49	7.82	8.26	8.87	9.67	10.71	11.20
43.0	7.01	7.21	7.42	7.67	7.99	8.42	8.97	9.70	10.65	11.84	12.40
46.0	7.19	7.43	7.69	8.00	8.38	8.87	9.50	10.32	11.35		
49.0	7.42	7.71	8.02	8.39	8.84	9.41	10.12				

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	20.60	26.20	32.80	40.70	50.00	60.90	73.60	88.40	106.00	126.00	135.00
32.0	20.40	26.00	32.50	40.30	49.40	60.10	72.70	87.30	104.50	125.00	134.00
38.0	20.20	25.70	32.20	39.70	48.60	59.10	71.40	85.90	103.00	123.50	133.00
43.0	20.10	25.50	31.80	39.20	47.90	58.20	70.30	84.70	102.00	122.50	132.00
46.0	19.95	25.40	31.60	38.90	47.50	57.60	69.70	84.00	101.00		
49.0	19.90	25.30	31.40	38.60	47.10	57.10	69.10				

CONDENSING UNIT MECHANICAL AND PHYSICAL DATA

Condenser/Fan Type	R7/271
Number of Fans	2
Total Fan Power Input, W	470
Depth/Width, mm	680/1130
Height, mm	708
Base mounting (hole dia), mm	1095 x 350 (14)
Gross Weight, kg	145
Net Weight, kg	105
Receiver Capacity, l	7.9
Liquid Line, inch	1/2
Air Flow, m ³ /s	1.97
High Side PS gauge, bar	28
Low Side PS gauge, bar	22.5
Suction Type	Rotalock Valve
Suction Diameter, inch	1 3/8
Sound Pressure @ 10m, dBA	52

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	10
Compressor Locked Rotor Current, A	64

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	RSQR
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