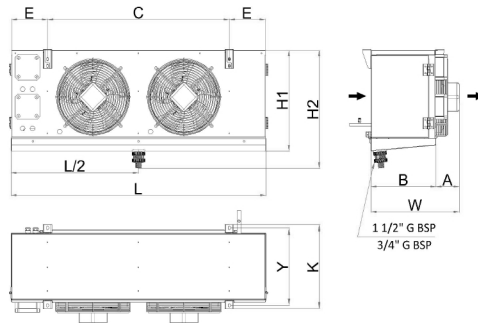


TEC C 035.A12-D4-80-S1N

Air Cooler

Heat Exchanger Technical Specifications

Model: TEC C 035.A12-D4-80-S1N



Dimensions

C :	1070 mm	W :	436 mm	B :	311 mm	H2 :	619 mm	L :	1422 mm
H1 :	544 mm	F :	0 mm	E :	176 mm	B1 :	0 mm	A :	125 mm
K :	390 mm	Y :	350 mm	ØDin :	1 x 12 [1/2"]	ØDout :	1 x 22 [7/8"]	Wg :	44 kg

Evaporator Capacity Information

Capacity	4,230.05 Watt	Heat Transfer Area	14.52 m ²
Average Room Temperature / Relative Humidity	-18.00 - 95 % / -19.92 °C - 97.35%	Tube Volume	4.35 dm ³
Evaporation Temperature / ΔT	-25.00 °C / 7 K	Fin Spacing	8 mm
Superheating / Subcooling	4.5 K / 1 K	Test Pressure	40 bar
Condensation Temperature	40 °C	Max. Operating Pressure	26 bar
Refrigerant	R404A (Dew) (GPW: 3922)	Energy Efficiency Class (3)	A+
Fluid Flow / Pressure Drop	155.84 kg/h / 22.18 kPa	Pad Fluid Group	2
Altitude	0 m	Pad Category	Gas-I

Evaporator Fan Information (ROSENBERG)

Airflow Rate / Air Velocity	5,014.71 m ³ /h / 2.79 m/s	Air Throw (Std./Strm.&Diff.) [Ref: 0,25 m/s]	13/23 m
Fan Diameter / Motor Type	Ø 350 mm / AC	Sound Power Level (LWA)	103 dBA
Number of Fans	2 Pcs	Sound Pressure Level (LPA)(2)	81 dBA
Total Fan Power	0.32 kW	Distance	3 m
Total Fan Current	1.5 A	Insulation Class	A
Voltage / Frequency / Phase	220 V / 50 Hz / 1 Phase	Protection Class	IP00
Fan Speed	1400 d/d	Temperature Range	60 °C

Notes

- 1) Capacity Correction For Altitude is According To Engineering Calculations.
- 2) Sound Pressure Calculation Standard: En13487
- 3) Energy Efficiency Class Calculation Standards: En328 Standard. Standard Conditions: Sc2,R404A
- 4) TWATT product selection program is a Thermoway thermal device software. The data and images used belong to TWATT. The unauthorized use of data and images is prohibited. TWATT reserves the right to change all size and capacity values without prior notice.
- 5) For high pressure refrigerants such as R410A, please contact us to check maximum working pressure.