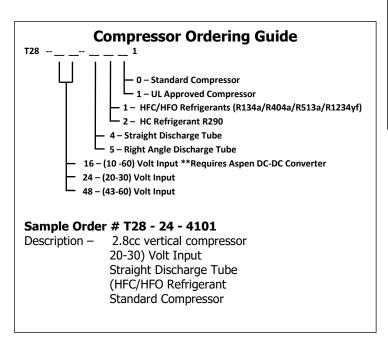
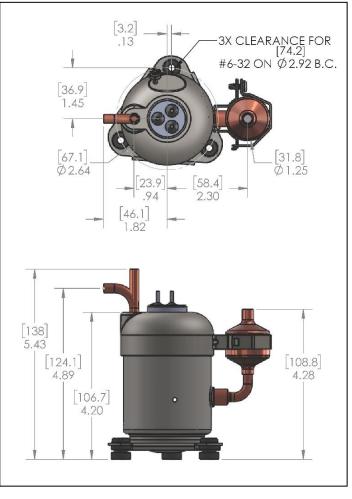
## 2.8cc Twin Series Low Noise, Miniature, Variable Speed Rotary Refrigeration Compressor



Worldwide patents pending

Compressor Specifications	
Refrigerants	R134a / R404a / R1234yf
	R513a/ R290 / R600a
Oil Type	Consult Factory
Oil Quantity	Factory Charged
Motor / Drive	BLDC / Sensorless
Speed Range	1200 – 6500 RPM
Evaporator Temp. Range	-22~75°F (-30~24°C)
Max Condensing Temp.	140°F (60°C)
Max Discharge Temp.	212°F (100°C)
Max Ambient Temp.	120°F (49°C)
Max Dome Temp.	212°F (100°C)
Max Operating Pressure	350 psi (2.4 MPa)
Suction Port Size	1/4" ID Cup
Discharge Port Size	1/4" OD Tube
Cooling Capacity-ASHRAE T	R-134a
2.8cc	720 W / 2456 BTU's
Noise Level @ 1 meter	~ 40 dBA
Weight	~ 1400g





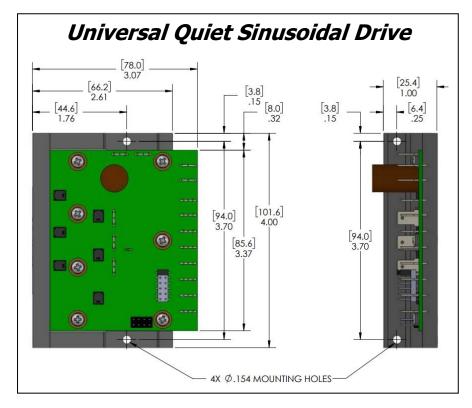
## **Compressor Application Notes:**

- Compressor is supplied with 50cc's of oil. Addition oil will be required if operating xchangers or internal surfaces that can trap oil and prevent adequate return to the compressor.
- Recommended airflow over compressor is 1 meter/sec.

Aspen Compressor, LLC 24 St. Martin Drive, Marlborough, MA 01752 ☎508-281-5322 ext. 237 ⑤ 508-281-5323 web: www.aspencompressor.com email: info@aspencompressor.com

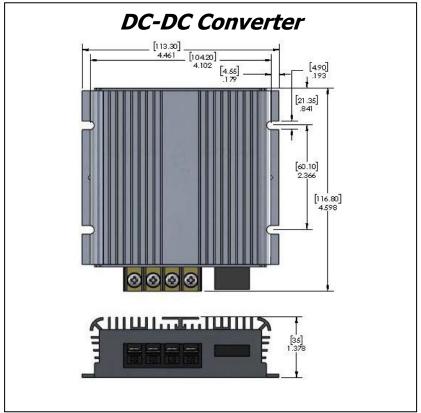
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## ASPEN Universal Quiet Sinusoidal Drive & DC-DC Converter



Drive Board Options	
Input Voltage	Max Current
20-30V	15A
43-60V	8A
10-60V**	8-35A**

<sup>\*\*</sup>Requires use of Aspen DC-DC Converter in conjunction with Compressor Drive. Max current based on input voltage.



## **Compressor Drive & Converter Application Notes:**

- 1. Drive Board is conformally coated, however, care should be taken to prevent operation in corrosive or wet environments. Drive board is thermally protected, however, airflow over the drive board/ converter and heat sink is highly recommended.
- 2. Maximum current to the compressor is automatically limited by the drive board by reducing the compressor speed as the current approaches set limits, however, a suitable inline fuse is required for branch circuit protection and safe operation. See Universal Low Noise Sinusoidal Motor Controller Instructions for installation instructions.

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