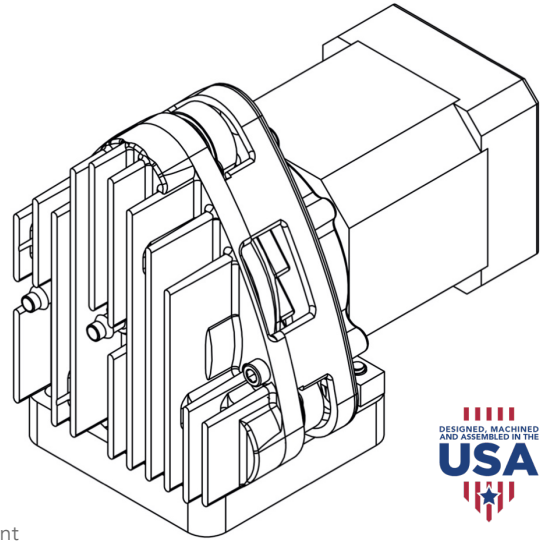


# P05H012A-BLDC-C

## Scroll Compressor



- 100% Oil-Free**  
Maintain the purity of your system
- Ultra-Quiet, Smooth Operation**  
Dynamically balanced, valve-less, and near pulsation-free
- Cost-Competitive**  
Affordable configurations for OEMs
- Compact, Lightweight Design**  
Fewer moving parts than competing technology
- Efficient Performance**  
Continuous compression process with no re-expansion or throttling losses
- Variable Speed**  
Ideal performance over a range of duty cycles – 100% continuous to intermittent



	SI	IMPERIAL
MAX. PRESSURE	2 barg	30 psig
VOLUME RATIO	2.75	
MAX. FLOW	6 lpmv	0.2 cfmv
DISPLACEMENT	2.55 cm <sup>3</sup> / Rev.	0.149 in <sup>3</sup> / Rev.
MAX. SPEED	3,000 RPM	
RATED POWER	48 We	0.06 hpe
RATED CURRENT	2 A	
MOTOR	24 V Brushless DC	
COOLING	24 VDC Attached Fan	
AMBIENT TEMP. RANGE	-20 °C – 40 °C	0 °F – 104 °F
NOMINAL SOUND LEVEL	25 dB(A)	
NET WEIGHT	0.7 kg	1.5 lb
PORT CONFIGURATION	10-32 UNF	
MEDIA	Air	
REGULATORY	RoHS Compliant	
PART NUMBER	P05H012A-B02	

### AVAILABLE ACCESSORIES

- Brushless DC Controller
- Mounting Bracket

### OPTIONAL CONFIGURATIONS

- Alternate Cooling Fan Mounting Location
- 12 V Motor and Fan (Smaller Size, Lighter Weight, Lower Cost)

### OEM CONFIGURATIONS

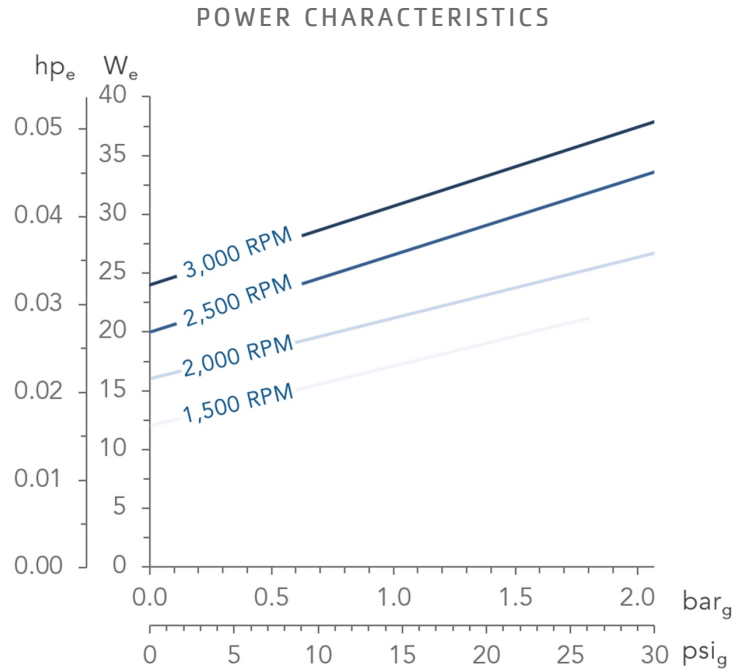
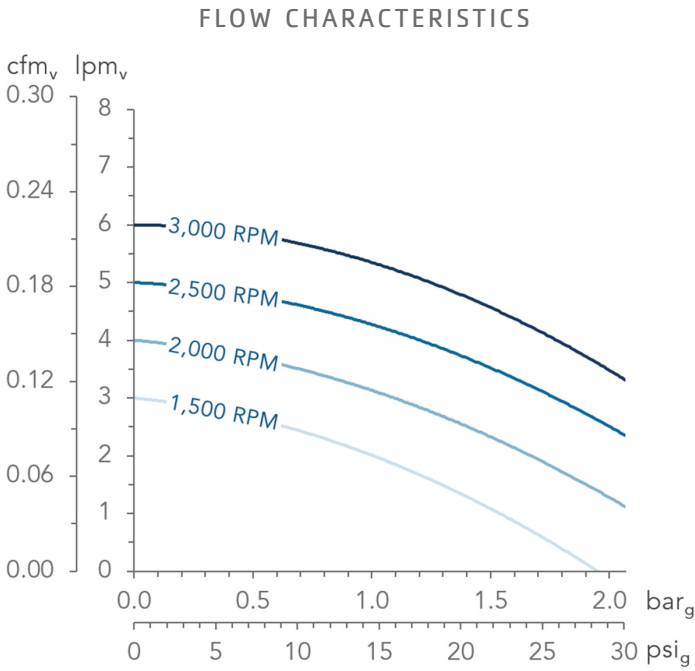
- Custom Mounting Bracket
- Custom Electrical Connector
- Custom Motor and Fan Voltage
- Custom Port Fittings

Qualified OEMs should consult Air Squared for custom configurations and application-specific requirements.

Contact [info@airsquared.com](mailto:info@airsquared.com).

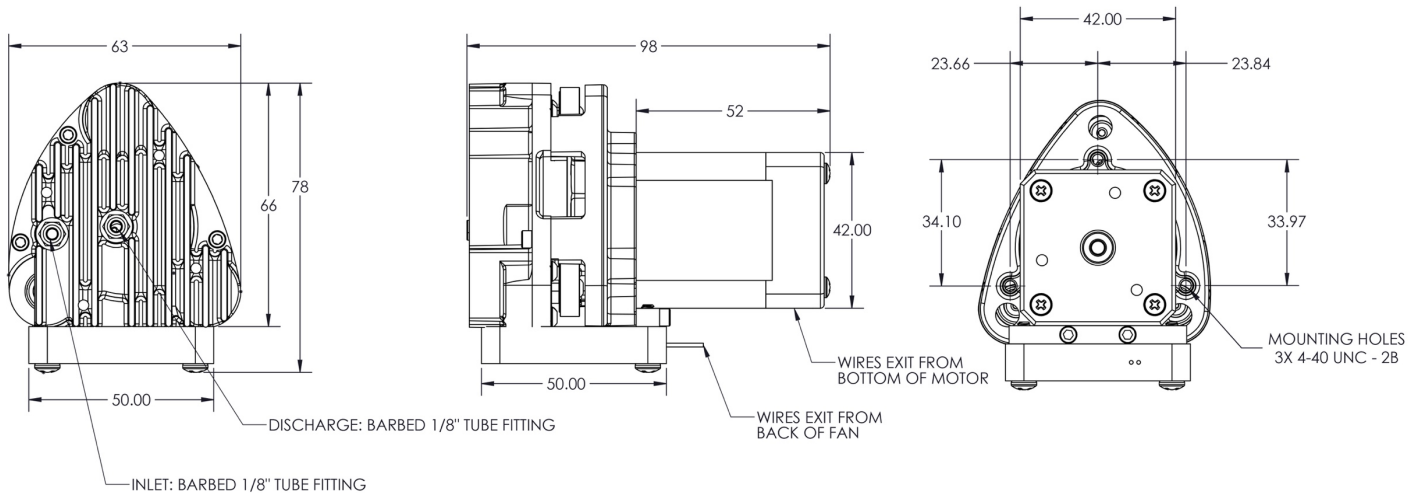
The information presented in this material is based on technical data and test results of nominal units. It is believed to be accurate and reliable. Air Squared does not warrant, guarantee, or assume liability in connection with this information. Picture, Performance, Dimensions, and Electrical information for reference use only - visit [airsquared.com](http://airsquared.com) for current specifications. Application conditions may adversely affect performance and product life. It is the responsibility of the user to determine the suitability of the product for intended use.

## Performance



Flow Characteristics reflect nominal volume flow with air at NIST standard inlet conditions. Power Characteristics reflect nominal electric power consumption in Broomfield, CO USA with standard motor and controller losses.

## Dimensions



Dimensions in millimeters unless otherwise stated.