

V05H012A-BLDC-C

Scroll Vacuum Pump



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

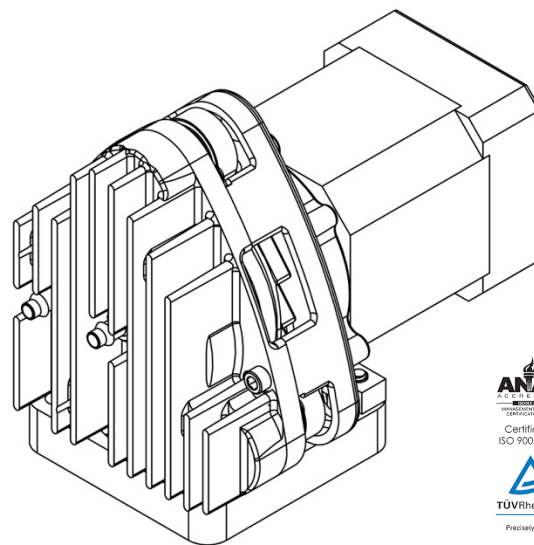
Fewer moving parts than competing technology

Efficient Performance

Continuous vacuum 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. VACUUM	< 10 mbara	< 7.5 Torr
VOLUME RATIO	2.75	
MAX. FLOW	5 lpm _v	0.18 cfm _v
DISPLACEMENT	2.55 cm ³ / Rev.	0.149 in ³ / Rev.
MAX. SPEED	3,000 RPM	
RATED POWER	50 We	0.067 hpe
RATED CURRENT	2.3 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	0.43 kg	1 lb
PORT CONFIGURATION	10-32 UNF	
MEDIA	Air	
REGULATORY	RoHS Compliant	
PART NUMBER	V05H012A-B02	

AVAILABLE ACCESSORIES

- Brushless DC Controller
- Mounting Bracket

OPTIONAL CONFIGURATIONS

- Alternate Cooling Fan Mounting Location

OEM CONFIGURATIONS

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

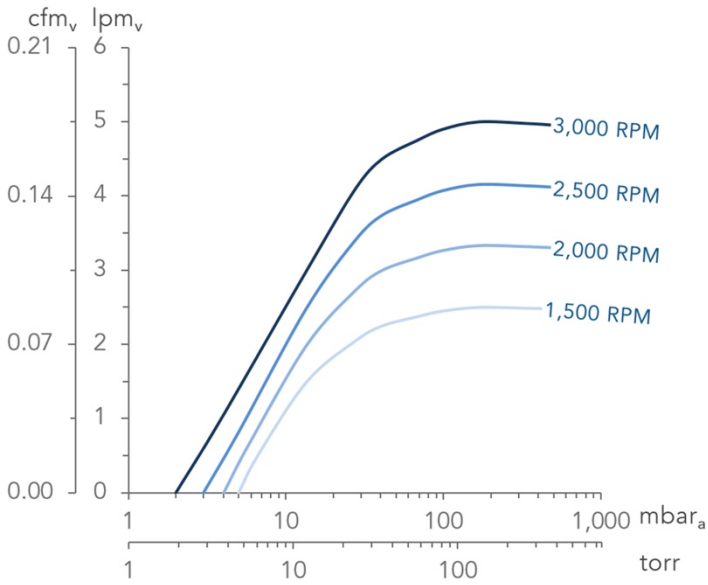
Qualified OEMs should consult Air Squared for custom configurations and application-specific requirements.

Contact info@airsquared.com.

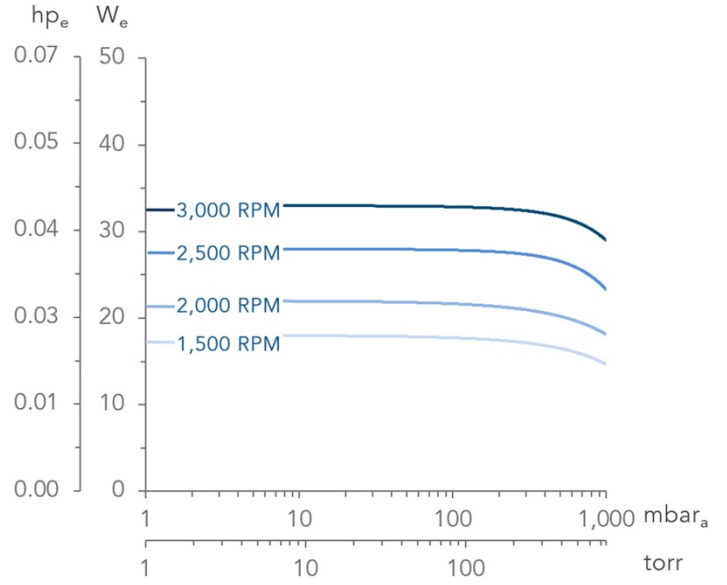
The information presented in this material is based on technical data and test results of nominal units. It is believed to be accurate and reliable. Air Squared does not warrant, guarantee, or assume liability in connection with this information. Picture, Performance, Dimensions, and Electrical information for reference use only - visit airsquared.com 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

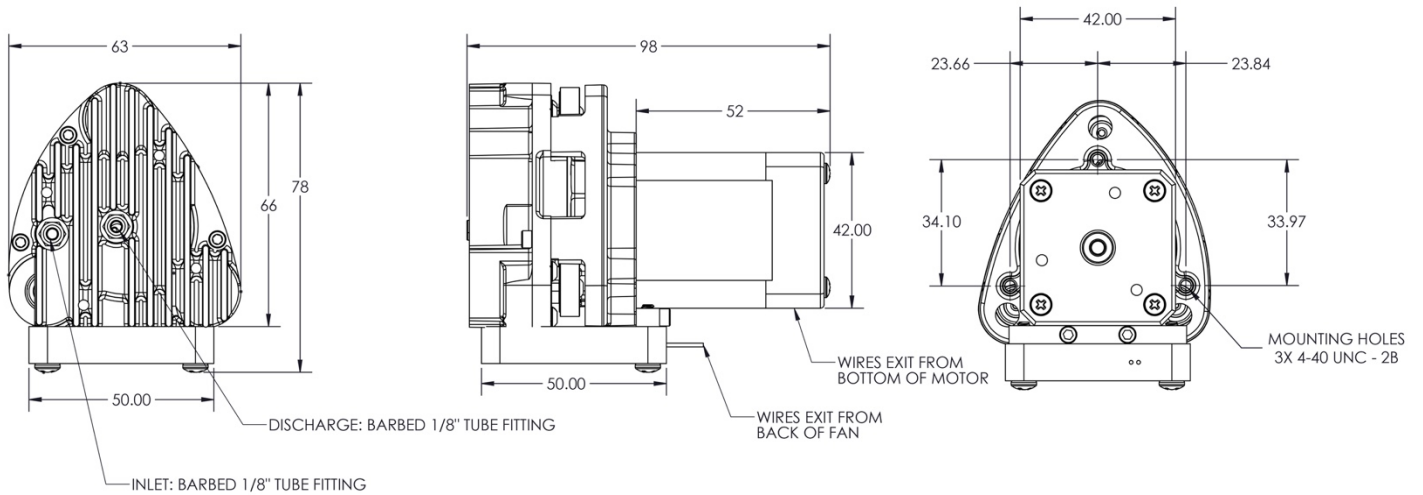


POWER CHARACTERISTICS



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