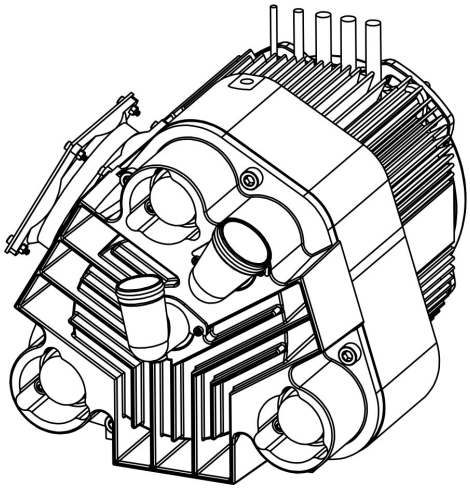
+1 (303) 466-2669
info@airsquared.com
http://airsquared.com

P34H080A-BLDC

Scroll Air Compressor



100% Oil-Free
Maintain the purity of your system

Efficient Performance
Continuous compression process - no re-expansion or throttling losses

Quiet, Smooth Operation
Dynamically balanced, valve-less, and near pulsation-free

Reliable, Durable Solution
Long product life and simple field maintenance

Variable Speed
Ideal performance over a range of duty cycles – 100% continuous to intermittent

Certified to ISO 9001:2008

	SI	IMPERIAL
MAX. PRESSURE	1.8 bar_g	26 psi_g
VOLUME RATIO	1.2	
MAX. FLOW	1,850 lpm_v	65 cfm_v
DISPLACEMENT	933 cm^3 / Rev.	56.9 in^3 / Rev.
MAX. SPEED	2,000 RPM	
RATED POWER	5 kW_e	6.7 hp_e
RATED CURRENT	50 A	
MOTOR	90-115 V Brushless DC	
COOLING	24 VDC Attached Fan	
AMBIENT TEMP. RANGE	-20 °C – 40 °C	0 °F – 104 °F
NOMINAL SOUND LEVEL	60 dB(A)	
NET WEIGHT	37 kg	82 lb
PORT CONFIGURATION	Elbow Fittings	
MEDIA	Air	
PART NUMBER	P34H080A-A01	

OPTIONAL CONFIGURATIONS

Custom Electrical Connector

Alternate Fan Voltage

AVAILABLE ACCESSORIES

Brushless DC Controller

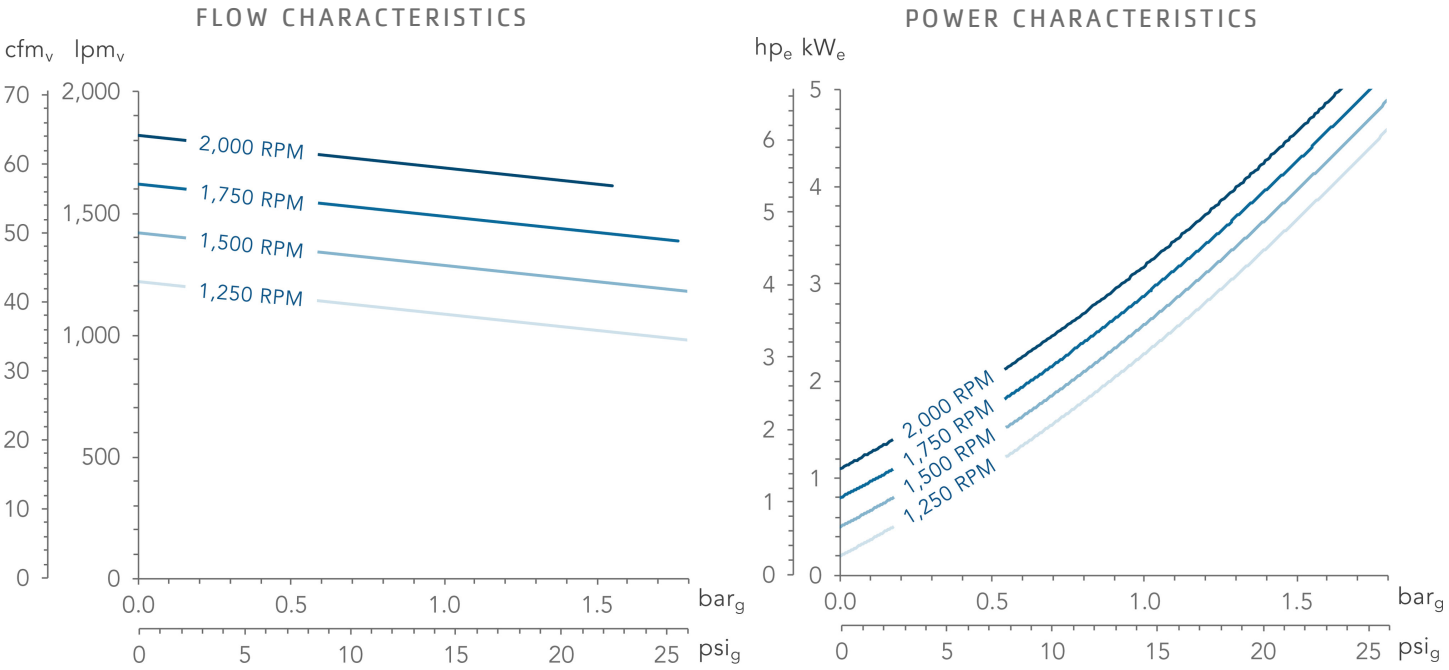
CUSTOM REQUIREMENTS

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

Contact info@airsquared.com.

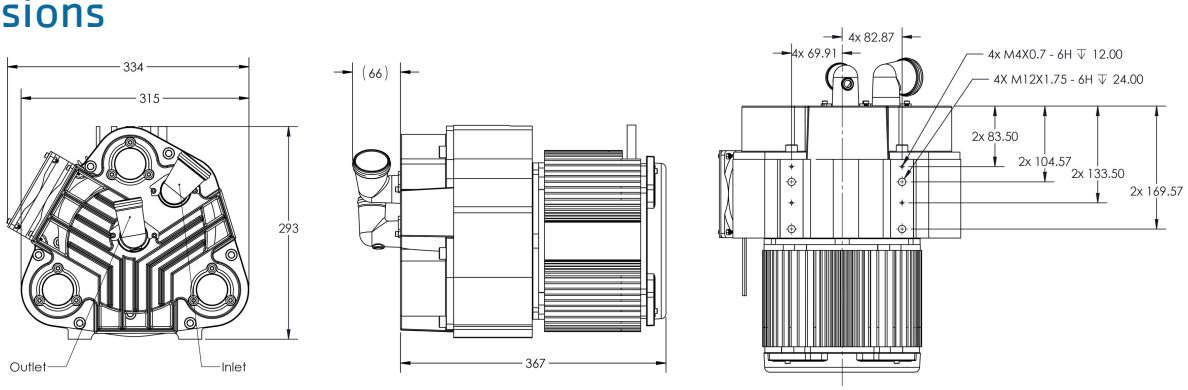
P34H080A-BLDC

Performance



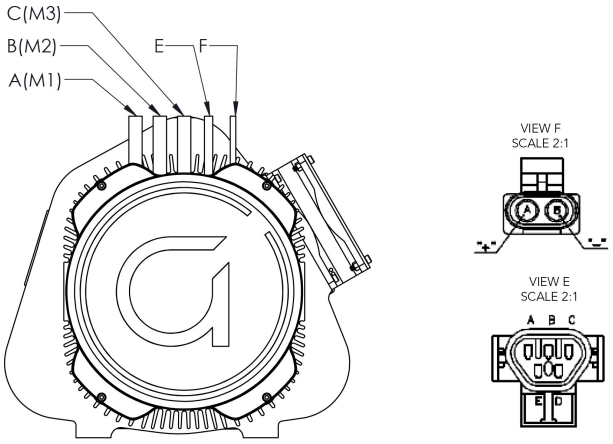
Flow Characteristics reflect nominal volume flow with air at NIST standard inlet conditions. Power Characteristics reflect nominal electric power consumption in Broomfield, CO USA with standard motor and controller losses.

Dimensions



Dimensions in millimeters unless otherwise stated.

Electrical



Pin Location	Wire Designation	Wire Color
C	S1 (U1)	WHITE
B	S2 (U2)	GREEN
A	S3 (U3)	BLUE
D	GND	BLACK
E	V_{DD} (12+)	RED

Brushless DC motors are variable speed. Electronic controller module is required for operation.