

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

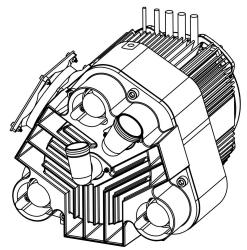
Dynamically balanced, valve-less, and near pulsation-free

Reliable, Durable Solution

Long product life and simple field maintenance

Variable Speed

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





	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

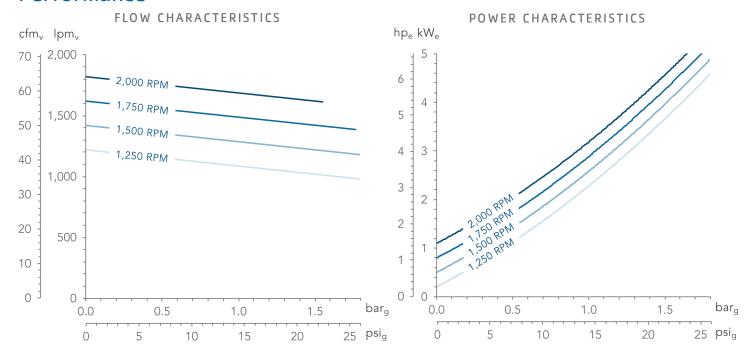
CUSTOM REQUIREMENTS

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

 $Contact\ in fo @air squared.com.$

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



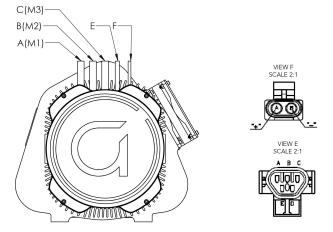
Flow Characteristics reflect nominal volume flow with air at NIST standard inlet conditions. Power Characteristics reflect nominal electric power consumption in Broomfield, CO USA with standard motor and controller losses.

334 4x M4X0.7 - 6H ₹ 12.00 4x M12X1.75 - 6H ₹ 24.00 4x M12X1.75 - 6H ₹ 24.00 2x 83.50 2x 104.57 2x 104.57 2x 133.50 2x 169.5

Dimensions in millimeters unless otherwise stated.

Electrical

Dimensions



Pin Location	Wire Designation	Wire Color
С	S1 (U1)	WHITE
В	S2 (U2)	GREEN
Α	S3 (U3)	BLUE
D	GND	BLACK
Е	V _{DD} (12+)	RED

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