

V16H034A-AC-H-SS



All-Metal, Hermetic, Stainless Steel, Scroll Vacuum Pump

100% Oil-Free

Non-contacting scroll configuration that requires no lubrication

All-Metallic Wetted Materials

No tip seals and only stainless steel or nickel wetted surfaces for compatibility with virtually any working fluid

Hermetically Sealed Design

Sealed design and static sealing surfaces for positive containment and contamination-free operation

Stainless Steel Construction

Stainless steel fixed and orbiting scroll for corrosion resistance

High-Vacuum Performance

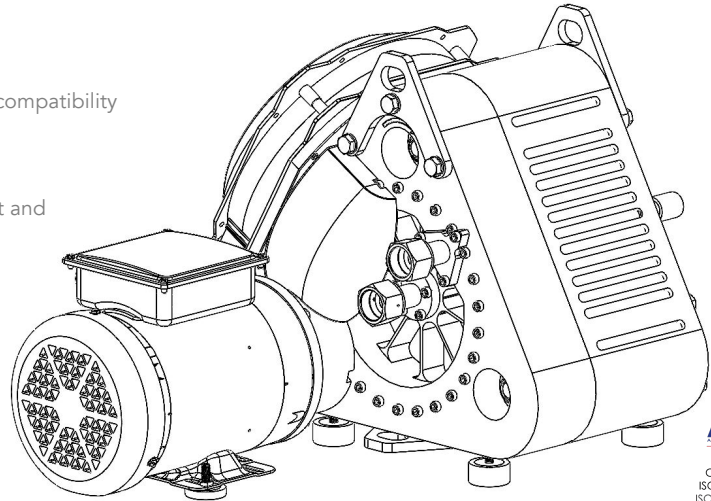
Deep vacuum capability

Reliable, Durable Solution

No wearing surfaces for long product life

Retrofit Legacy Tritium Pumps

Drop-in replacement for aging Tritium vacuum pumps



	SI	IMPERIAL
MAX. VACUUM	< 0.026 mbara	< 20 mTorr
VOLUME RATIO		5.25
MAX. FLOW	250 lpm _v	8.8 cfm _v
DISPLACEMENT	162 cm ³ / Rev.	9.9 in ³ / Rev.
MAX. SPEED		1,750 RPM
RATED POWER	560 We	0.75 hpe
RATED CURRENT		2.4 A
MOTOR		230 V / 460 V TEFC Three-Phase AC
COOLING		230 V / 460 V TEFC Single-Phase AC
NOMINAL SOUND LEVEL		70 dB(A)
NET WEIGHT	91 kg	201 lb
PORT CONFIGURATION		Customer-Specified
NOMINAL LEAK RATE (He)	1 x 10 ⁻⁸ mbar-l/s	0.75 x 10 ⁻⁸ Torr-l/s
PART NUMBER		V16H034A-B02

MEDIA COMPATIBILITY

Standard product configuration is compatible with Tritium (T), Deuterium (D), Uranium Hexafluoride (UF₆), and virtually any working fluid, including radioactive, toxic, or corrosive gases.

Contact info@airsquared.com with specific questions regarding media compatibility.

AVAILABLE ACCESSORIES

Variable Frequency Drive

OPTIONAL CONFIGURATIONS

Custom Motor or Cooling Fan

Custom Inlet and Outlet Port Configuration

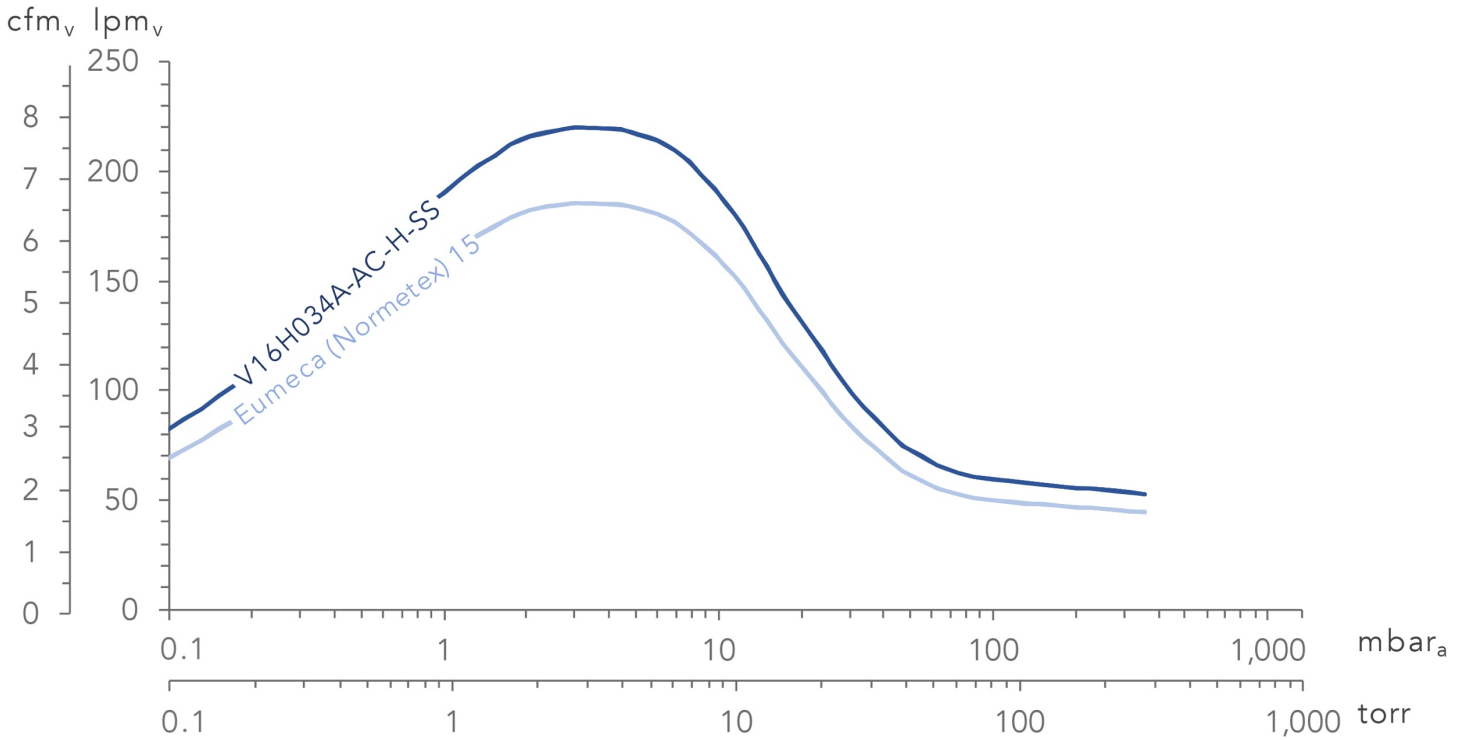
Aluminum Construction (Lighter Weight, Longer Life, and Lower Cost)

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

Contact info@airsquared.com.

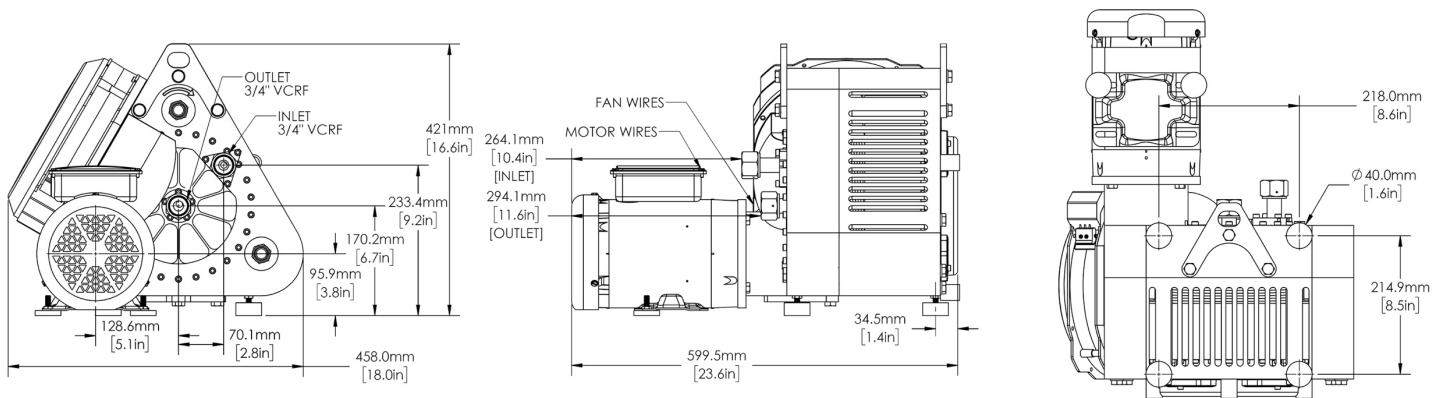
The information presented in this material is based on technical data and test results of nominal units. It is believed to be accurate and reliable. Air Squared does not warrant, guarantee, or assume liability in connection with this information. Picture, Performance, Dimensions, and Electrical information 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 (WITH BACKING PUMP)



Performance references nominal volume flow with air at 1,800 RPM and NIST standard inlet conditions. Performance measured using Metal Bellows MB601 backing pump.

Dimensions



Dimensions in millimeters unless otherwise stated.

Inlet and outlet port configurations shown for reference only. Inlet and outlet flanges can accommodate customer-specific port configurations.