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

V16H034A-AC-H

ALL METAL SERIES

All-Metal, Hermetic, Scroll Vacuum Pump

100% Oil-Free
Non-contacting scroll configuration that requires no lubrication

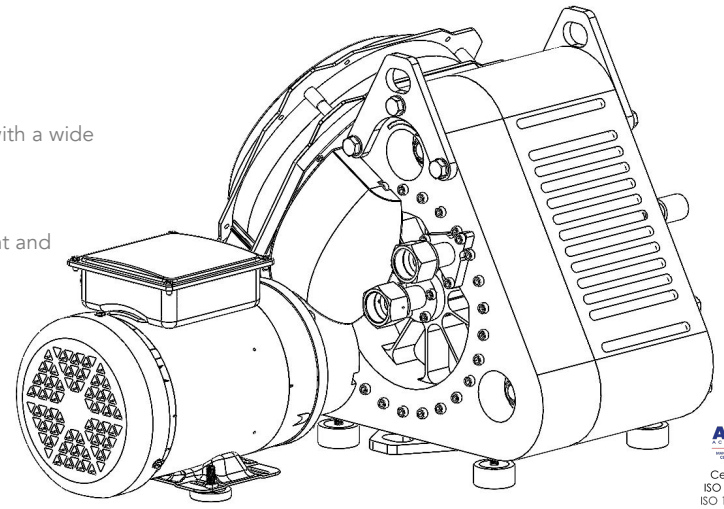
All-Metallic Wetted Materials
No tip seals and only metallic wetted surfaces for compatibility with a wide range of working fluids

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

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



Certified to
ISO 9001:2015
ISO 14001:2015

	SI	IMPERIAL
MAX. VACUUM	< 0.026 $mbar_a$	< 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 W_e	0.75 hp_e
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	59 kg	131 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-C01	

MEDIA COMPATIBILITY

Standard product configuration is compatible with Tritium (T), Deuterium (D), Uranium Hexafluoride (UF_6), 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

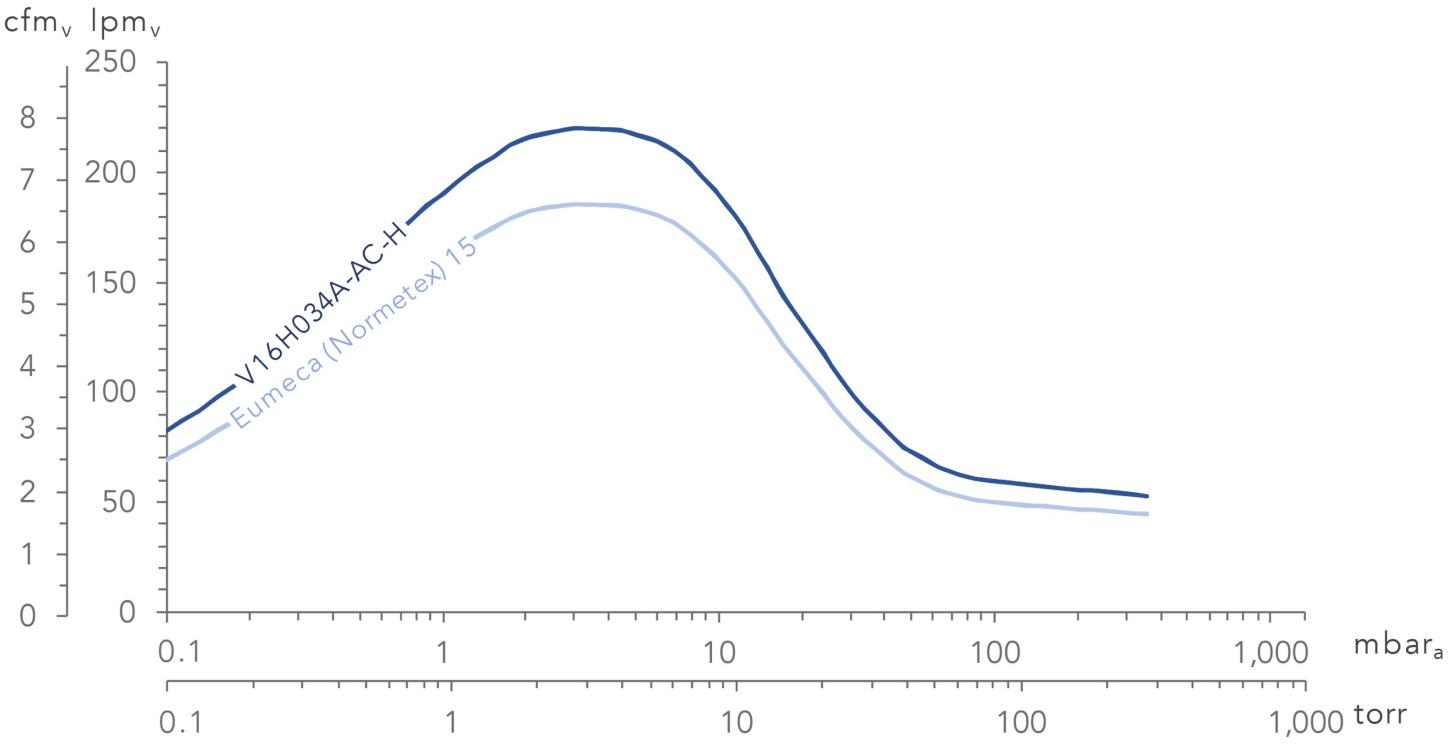
OPTIONAL CONFIGURATIONS

Custom Motor or Cooling Fan
Custom Inlet and Outlet Port Configuration
Stainless Steel Construction

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

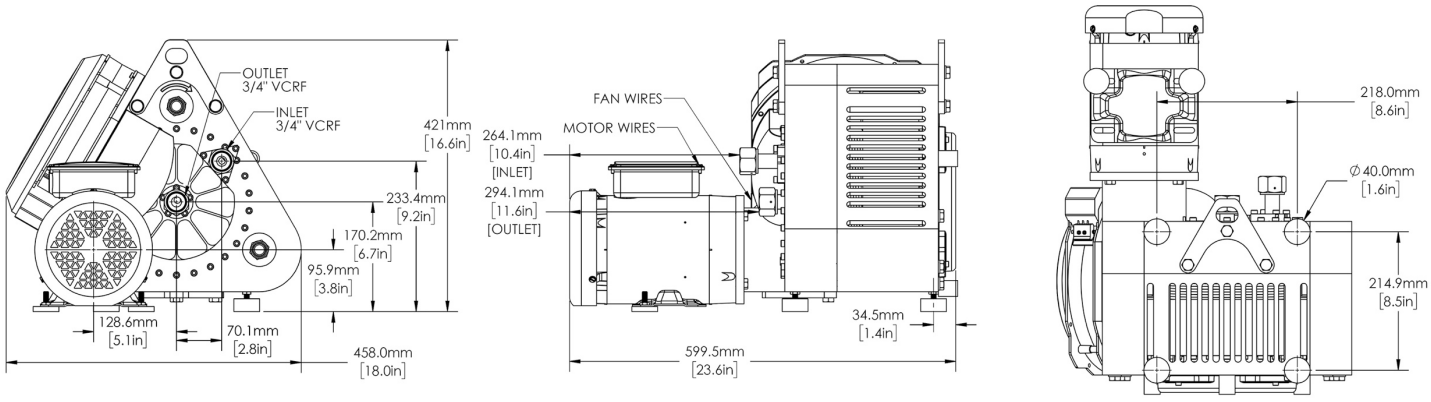
Contact info@airsquared.com.

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.