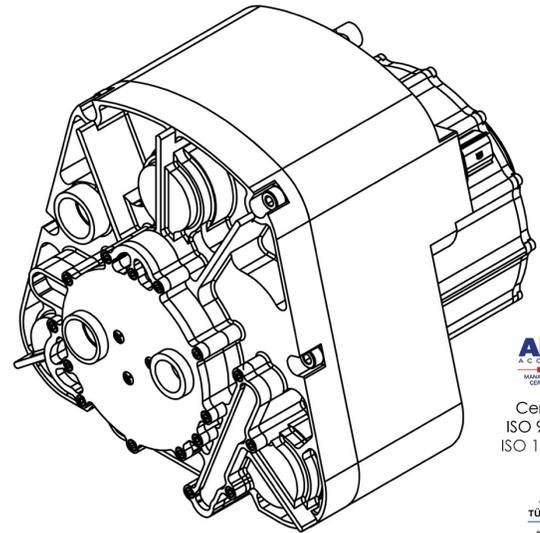


P17H043C-BLDC-LC

Liquid-Cooled **LIQUID-COOLED** **PERFORMANCE SERIES**
 Scroll Compressor

- 100% Oil-Free**
Maintain the purity of your system with oil-free scroll technology
- Quiet, Smooth Operation**
Dynamically balanced, valve-less, and nearly pulsation-free
- Efficient, High-Pressure Performance**
Liquid cooling for high-pressure operation with volumetric efficiency up to 90%
- Sealed or Semi-Hermetic Design**
Immersion protection and configurable for gases other than air
- Reliable, Durable Solution**
Extended life, long service intervals, and simple field maintenance
- Compact, Lightweight Design**
Space-saving cooling system and fewer moving parts than competing technology



	SI	IMPERIAL
MAX. PRESSURE	12.5 barg	185 psig
VOLUME RATIO	3.6	
MAX. FLOW	425 lpm _v	15 cfm _v
DISPLACEMENT	134.5 cm ³ / Rev.	8.2 in ³ / Rev.
MAX. SPEED	3,500 RPM	
RATED POWER	6 kWe	8 hpe
RATED CURRENT	17.5 A	
MOTOR	340 V Brushless DC <i>Integrated, Frameless</i>	
COOLING	Liquid Cooling Loop Required	
AMBIENT TEMP. RANGE	-25 °C – 50 °C	-13 °F – 122 °F
NOMINAL SOUND LEVEL	69 dB(A)	
NET WEIGHT	18 kg	40 lb
PORT CONFIGURATION	3/4" NPT	
INLET FILTER REQUIREMENT	> 2 μm <i>99% Efficiency Standard</i>	
IMMERSION PROTECTION	IP67	
PART NUMBER	P17H043C-A03	

MEDIA COMPATIBILITY

Standard configuration is compatible with air
 Semi-hermetic wire feedthrough configuration is compatible with CO₂, CO, He, N₂, and Argon

AVAILABLE ACCESSORIES

- Brushless DC Controller
- Incremental Encoder Module

OPTIONAL CONFIGURATIONS

- Semi-Hermetic Wire Feedthrough

OEM CONFIGURATIONS

- Custom Electrical Connector
- Custom Motor Voltage

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

Contact info@airsquared.com

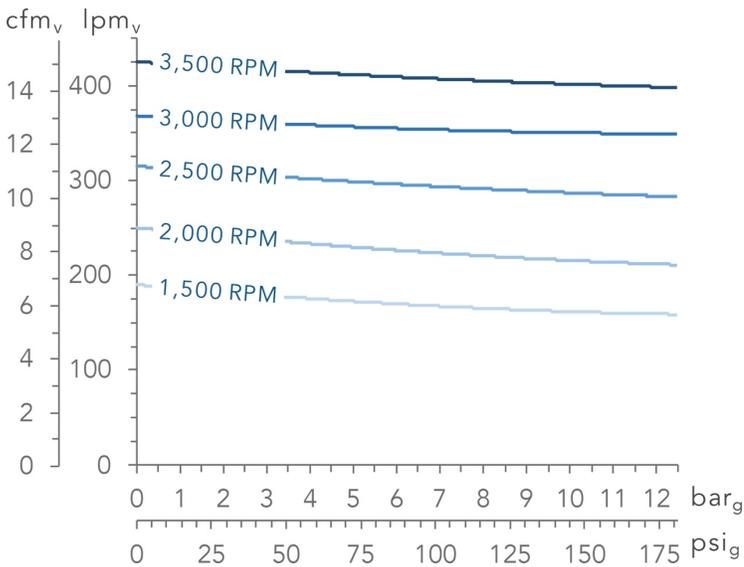
The information presented in this material is based on technical data and test results of nominal units. It is believed to be accurate and reliable. Air Squared does not warrant, guarantee, or assume liability in connection with this information. Picture, Performance, Dimensions, and Electrical information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

Cooling

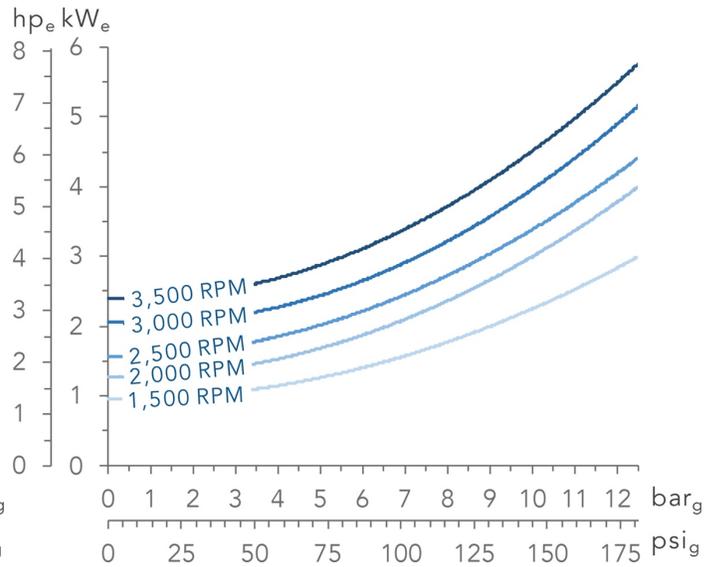
	SI	IMPERIAL	OEM CONFIGURATIONS
COMPRESSOR COOLING	Integrated Liquid Cooling		Qualified OEMs should consult Air Squared for custom configurations and application-specific requirements. Contact info@airsquared.com
MOTOR COOLING	Integrated Liquid Cooling		
MIN. COOLANT PRESSURE	0.7 bar	10 psi	
MAX. COOLANT PRESSURE	2 bar	30 psi	
MIN. COOLANT FLOW	5 lpm	1.3 gal. / min.	
COOLANT TEMP. RANGE	0 °C – 55 °C	32 °F – 131 °F	
COOLANT TYPE	50% Glycol		
PORT CONFIGURATION	1/2" NPT		

Performance

FLOW CHARACTERISTICS

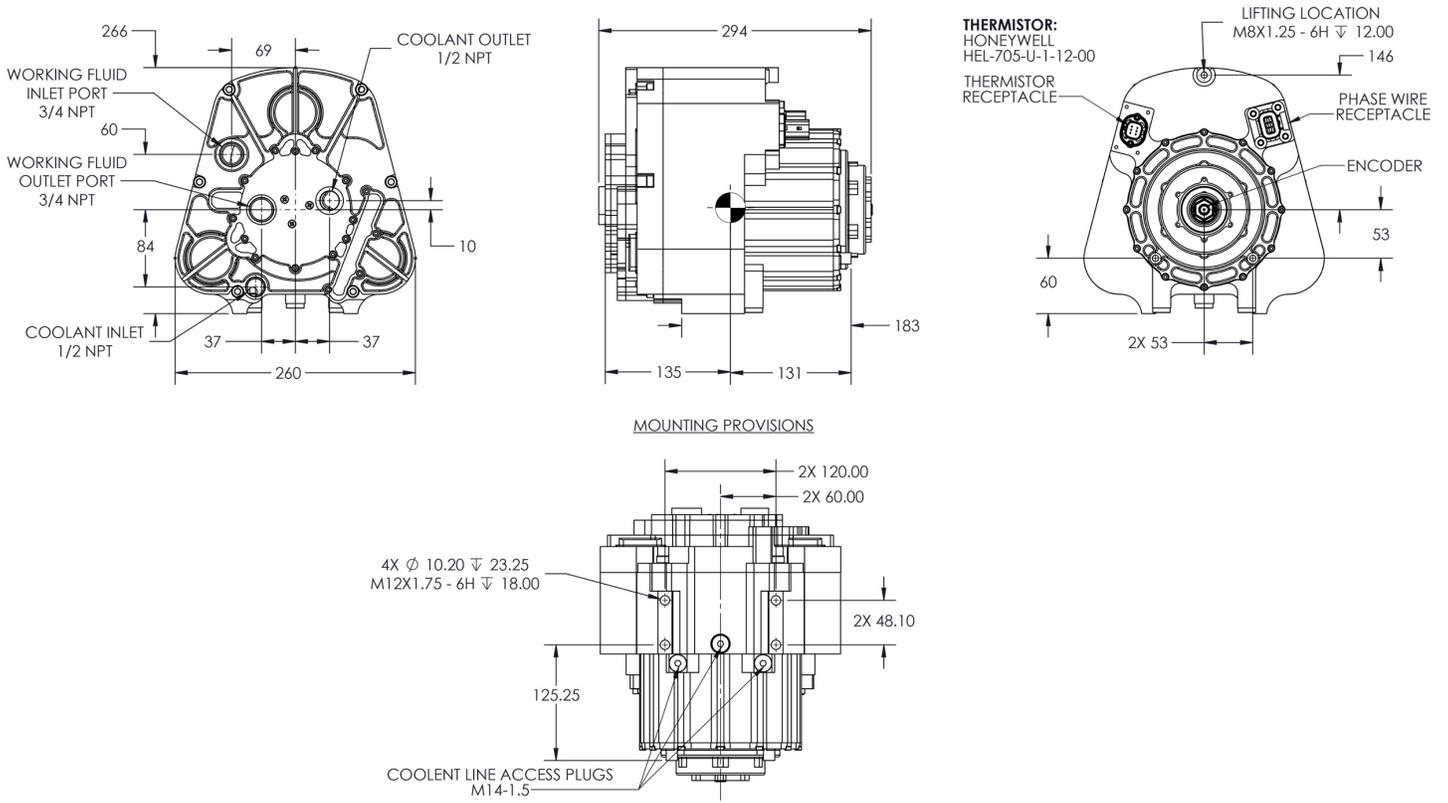


POWER CHARACTERISTICS



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.