

# P14H022A-AC

## Scroll Air Compressor

### 100% Oil-Free

Maintain the purity of your system

### Quiet, Smooth Operation

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

### Efficient Performance

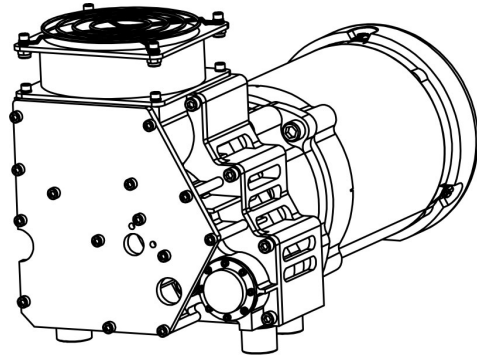
Continuous compression process with no re-expansion or throttling losses

### Reliable, Durable Solution

Long product life and simple field maintenance

### Variable or Fixed Speed

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



	SI	IMPERIAL
MAX. PRESSURE	6.9 bar <sub>g</sub>	100 psi <sub>g</sub>
VOLUME RATIO	2.8	
MAX. FLOW	100 lpm <sub>v</sub>	3.53 cfm <sub>v</sub>
DISPLACEMENT	33 cm <sup>3</sup> / Rev.	2 in <sup>3</sup> / Rev.
MAX. SPEED	3,500 RPM	
MOTOR	208 V / 230 V / 460 V TEFC Three-Phase AC	
RATED POWER	2.63 kW <sub>e</sub>	3.5 hp <sub>e</sub>
RATED CURRENT	8.2 A @ 208 V 7.4 A @ 230 V 3.7 A @ 230 V	
COOLING	230 VAC Attached Fan	
AMBIENT TEMP. RANGE	-20 °C – 40 °C	0 °F – 104 °F
NOMINAL SOUND LEVEL	55 dB(A)	
NET WEIGHT	25 kg	56 lb
PORT CONFIGURATION	3/8" NPT (Inlet) 1/4" NPT (Discharge)	
MEDIA	Air	
PART NUMBER	P14H022A-A02	

### OPTIONAL CONFIGURATIONS

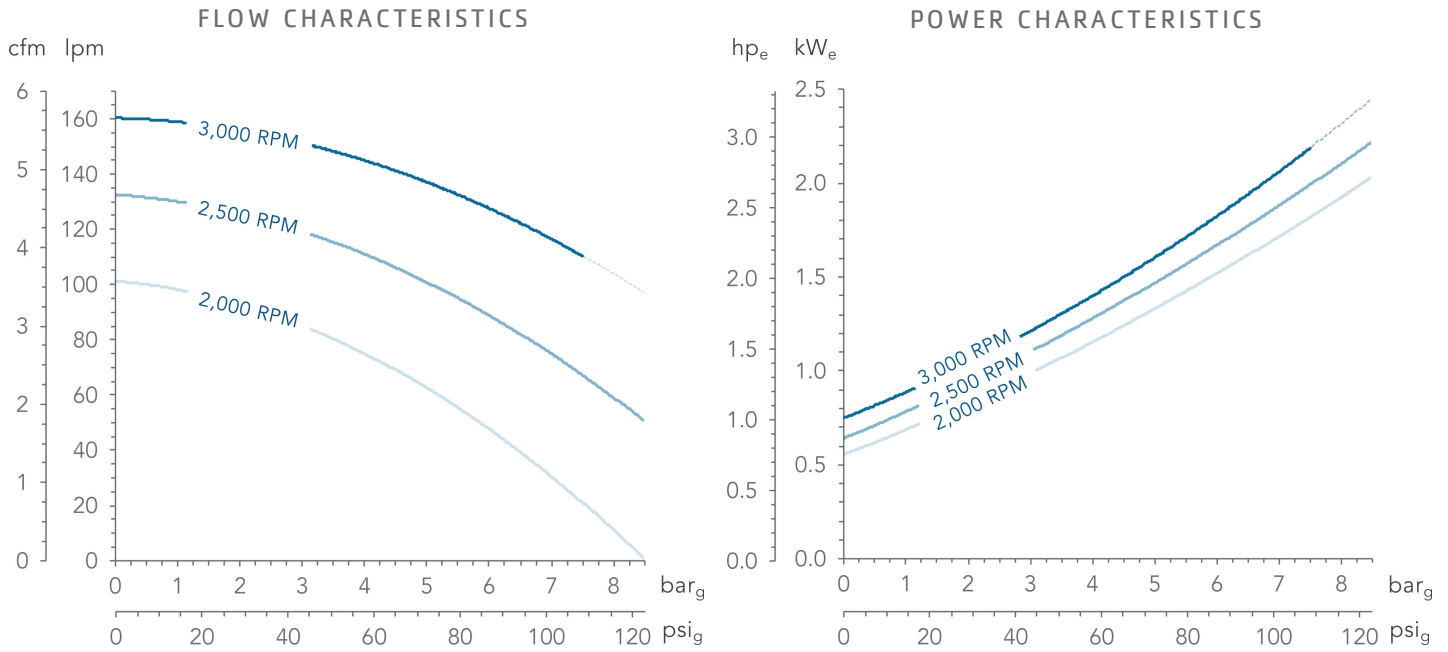
Alternate Motor Voltage, Phase, or Frequency

### CUSTOM REQUIREMENTS

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

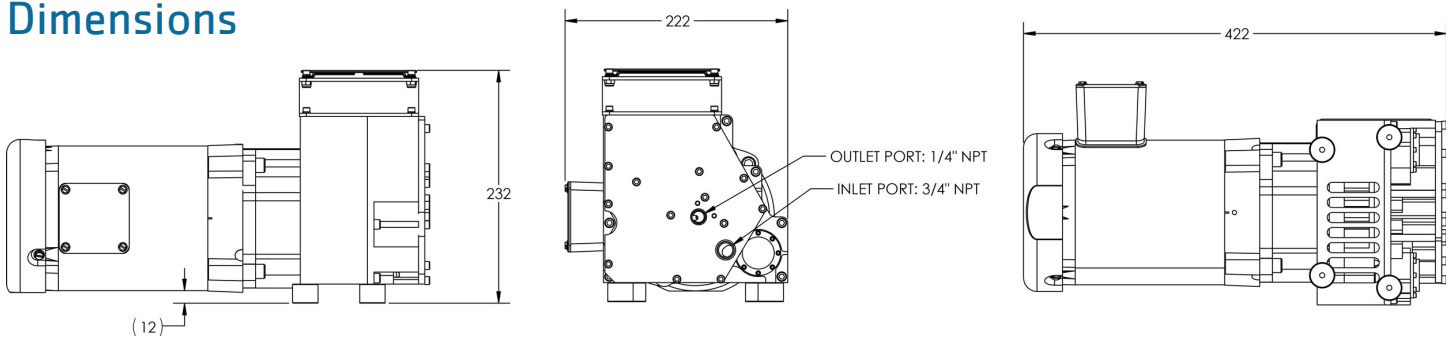
Contact [info@airsquared.com](mailto:info@airsquared.com).

## Performance



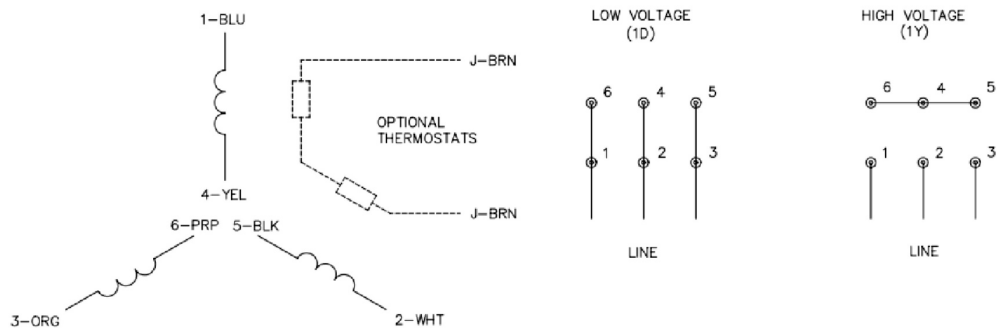
Flow Characteristics reflect nominal volume flow with air at NIST standard inlet conditions. Power Characteristics reflect nominal electric power consumption in Broomfield, CO USA with standard motor and controller losses.

## Dimensions



Dimensions in millimeters unless otherwise stated.

## Electrical



- NOTES:
1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
  2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
  3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
  4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

Three-phase AC motors can operate at variable speed. Electronic controller module is required for operation.