

# Compressor Specifications

## HP325<sup>®</sup> SERIES AIR COMPRESSORS

Pacbrake's HP325<sup>®</sup> series air compressors have a 33% (20 minutes @ 100 psi) duty cycle and are offered in both 12 and 24 VDC. These ¼ horsepower compressors utilize an oil-less design, sealed bearings, a PTFE piston ring, a copper wire wound permanent magnet motor and a hard anodized aluminum sleeve.

The Premium Air Compressor Kit offers pre-built wiring harnesses for the ultimate ease in installation.

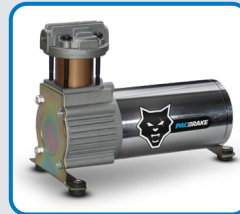
- Sealed bearings
- Cast aluminum cylinder head
- Hard anodized aluminum cylinder
- PTFE piston ring
- Mountable in any orientation



**HP10143**  
**HP325' 12 VDC AIR COMPRESSOR**  
**Duty Cycle:** 33% (20 Minutes @ 100 psi)  
**Max Working Pressure:** 150 psi [1034 kPa]  
**Voltage:** 12 VDC  
**Size:** 8.7" x 4" x 6.2" (LxWxH)  
 [221 mm x 102 mm x 158 mm]  
**Weight:** 5.5 lbs [2.49 kg]

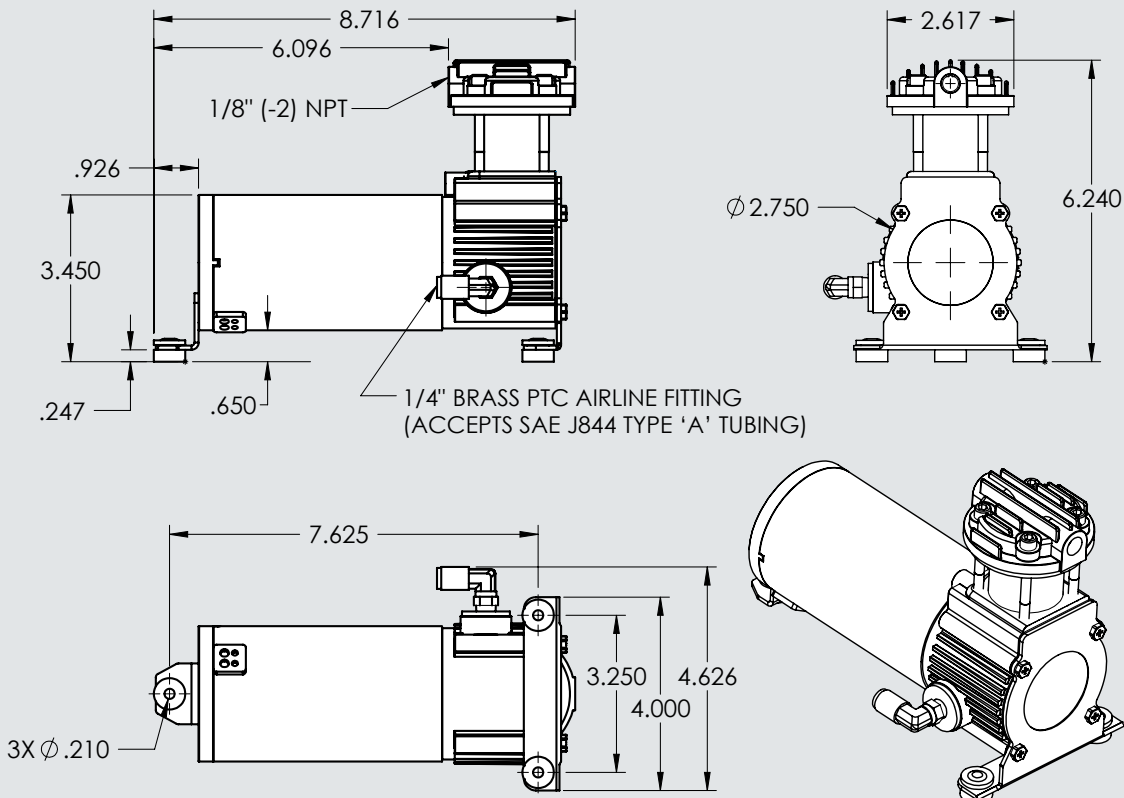


**HP10143-B**  
**HP325' 12 VDC AIR COMPRESSOR**  
**Duty Cycle:** 33% (20 Minutes @ 100 psi)  
**Max Working Pressure:** 150 psi [1034 kPa]  
**Voltage:** 12 VDC  
**Size:** 8.7" x 4" x 6.2" (LxWxH)  
 [221 mm x 102 mm x 158 mm]  
**Weight:** 5.5 lbs [2.49 kg]



**HP10139**  
**HP325' 24 VDC AIR COMPRESSOR**  
**Duty Cycle:** 33% (20 Minutes @ 100 psi)  
**Max Working Pressure:** 150 psi [1034 kPa]  
**Voltage:** 24 VDC  
**Size:** 8.7" x 4" x 6.2" (LxWxH)  
 [221 mm x 102 mm x 158 mm]  
**Weight:** 5.5 lbs [2.49 kg]

## HP325<sup>®</sup> SERIES AIR COMPRESSOR DIMENSIONS (IN INCHES)





### 12 VDC SPECIFICATIONS

#### GENERAL DATA

<b>PART NUMBER</b>	HP10143*
<b>WEIGHT</b>	5.5 lbs [2.49 kg]
<b>AMBIENT TEMPERATURE RANGE</b>	-40°F to 158°F [-40°C to 70°C]
<b>MAX DUTY CYCLE</b>	33% (20 minutes @ 100 psi)
<b>INGRESS PROTECTION</b>	IP55 w/remote intake (included)

#### PNEUMATIC DATA

<b>RATED FLOW</b>	1.1 SCFM
<b>MAX WORKING PRESSURE</b>	150 psi [1034 kPa]
<b>MAX RESTART PRESSURE</b>	135 psi [931 kPa]

#### ELECTRICAL MOTOR DATA

<b>MOTOR TYPE</b>	Permanent magnet DC
<b>OPERATING VOLTAGE</b>	12 VDC ± 15%
<b>MAXIMUM CURRENT DRAW</b>	17 A
<b>NOMINAL POWER</b>	¼ HP
<b>NOMINAL SPEED</b>	3000 RPM

\*Operating life may be dependent on application

### 24 VDC SPECIFICATIONS

#### GENERAL DATA

<b>MODEL</b>	HP10139*
<b>WEIGHT</b>	5.5 lbs [2.49 kg]
<b>AMBIENT TEMPERATURE RANGE</b>	-40°F to 158°F [-40°C to 70°C]
<b>MAX DUTY CYCLE</b>	33% (20 minutes @ 100 psi)
<b>INGRESS PROTECTION</b>	IP55 w/remote intake (included)

#### PNEUMATIC DATA

<b>RATED FLOW</b>	1.1 SCFM
<b>MAX WORKING PRESSURE</b>	150 psi [1034 kPa]
<b>MAX RESTART PRESSURE</b>	135 psi [931 kPa]

#### ELECTRICAL MOTOR DATA

<b>MOTOR TYPE</b>	Permanent magnet DC
<b>OPERATING VOLTAGE</b>	24 VDC ± 15%
<b>MAXIMUM CURRENT DRAW</b>	9 A
<b>NOMINAL POWER</b>	¼ HP
<b>NOMINAL SPEED</b>	3000 RPM

\*Operating life may be dependent on application

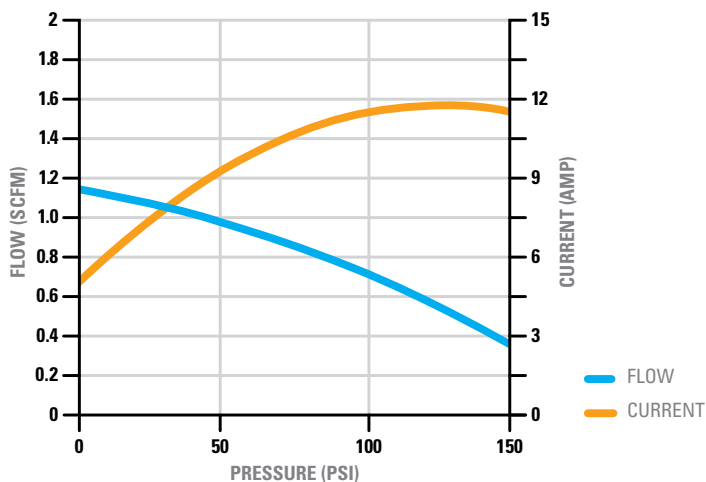
### 12 VDC TANK FILL TIME

TANK SIZE	TANK PART #	0 to 100 psi	100 to 150 psi
½ Gallon	HP10053	23 seconds	23 seconds
2½ Gallon	HP10050	157 seconds	130 seconds

### 24 VDC TANK FILL TIME

TANK SIZE	TANK PART #	0 to 100 psi	100 to 150 psi
½ Gallon	HP10053	33 seconds	25 seconds
2½ Gallon	HP10050	174 seconds	155 seconds

HP325 12 VDC - CURRENT & FLOW RATE VS PRESSURE (13.8 VDC)



HP325 24 VDC - CURRENT & FLOW RATE VS PRESSURE (27.6 VDC)

