HP325 SERIES AMP AIR COMPRESSORS

Pacbrake’s HP325 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

HP325 SERIES AIR COMPRESSOR DIMENSIONS (IN INCHES)

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]

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]
# 12 VDC Specifications

## General Data
- **Part Number**: HP10143
- **Weight**: 5.5 lbs [2.49 kg]
- **Ambient Temperature Range**: -40°F to 158°F [-40°C to 70°C]
- **Max Duty Cycle**: 33% (20 minutes @ 100 psi)
- **Ingress Protection**: IP55 w/remote intake (included)

## Pneumatic Data
- **Rated Flow**: 1.1 SCFM
- **Max Working Pressure**: 150 psi [1034 kPa]
- **Max Restart Pressure**: 135 psi [931 kPa]

## Electrical Motor Data
- **Motor Type**: Permanent magnet DC
- **Operating Voltage**: 12 VDC ± 15%
- **Maximum Current Draw**: 17 A
- **Nominal Power**: ¼ HP
- **Nominal Speed**: 3000 RPM

*Operating life may be dependent on application*

## 12 VDC Tank Fill Time

<table>
<thead>
<tr>
<th>Tank Size</th>
<th>Tank Part #</th>
<th>0 to 100 psi</th>
<th>100 to 150 psi</th>
</tr>
</thead>
<tbody>
<tr>
<td>½ Gallon</td>
<td>HP10053</td>
<td>23 seconds</td>
<td>23 seconds</td>
</tr>
<tr>
<td>2½ Gallon</td>
<td>HP10050</td>
<td>157 seconds</td>
<td>130 seconds</td>
</tr>
</tbody>
</table>

## 24 VDC Specifications

## General Data
- **Model**: HP10139
- **Weight**: 5.5 lbs [2.49 kg]
- **Ambient Temperature Range**: -40°F to 158°F [-40°C to 70°C]
- **Max Duty Cycle**: 33% (20 minutes @ 100 psi)
- **Ingress Protection**: IP55 w/remote intake (included)

## Pneumatic Data
- **Rated Flow**: 1.1 SCFM
- **Max Working Pressure**: 150 psi [1034 kPa]
- **Max Restart Pressure**: 135 psi [931 kPa]

## Electrical Motor Data
- **Motor Type**: Permanent magnet DC
- **Operating Voltage**: 24 VDC ± 15%
- **Maximum Current Draw**: 9 A
- **Nominal Power**: ¼ HP
- **Nominal Speed**: 3000 RPM

*Operating life may be dependent on application*

## 24 VDC Tank Fill Time

<table>
<thead>
<tr>
<th>Tank Size</th>
<th>Tank Part #</th>
<th>0 to 100 psi</th>
<th>100 to 150 psi</th>
</tr>
</thead>
<tbody>
<tr>
<td>½ Gallon</td>
<td>HP10053</td>
<td>33 seconds</td>
<td>25 seconds</td>
</tr>
<tr>
<td>2½ Gallon</td>
<td>HP10050</td>
<td>174 seconds</td>
<td>155 seconds</td>
</tr>
</tbody>
</table>

### HP325 12 VDC - Current & Flow Rate vs Pressure (13.8 VDC)

- Flow (SCFM)
- Current (AMP)

### HP325 24 VDC - Current & Flow Rate vs Pressure (27.6 VDC)

- Flow (SCFM)
- Current (AMP)