Compressor Specifications

Pacbrake's HP425 series air compressors have a 50% duty cycle [30 min on / 30 min off] and are offered in 12 VDC. These 1⁄4 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.

- High temperature sealed bearings
- PTFE piston rings (Oil-less design)
- Hard anodized aluminum cylinder sleeve
- Copper wire wound permanent magnet motor
- Check valve to prevent hard start-up
- Mountable in any orientation
- Thermal switch limit 221°F (105°C), Auto reset at 185°F (85°C)
- Crank case mounted air filter, IP52 (Remote, IP67)

**HP425 SERIES AMP AIR COMPRESSORS**

Introducing Pacbrake's NEW 425 series compressors with a 50% duty cycle, they are capable of filling a 5 gallon air tank in less than 5 minutes. Heavy duty compressors for wherever the road takes you.

**HP425 SERIES AIR COMPRESSOR DIMENSIONS**

**HP10300**
HP425 12VDC AIR COMPRESSOR
Duty Cycle: 50% [30 min on / 30 min off]
Max Working Pressure: 200psi [1379 kPa]
Voltage: 12 VDC
Size: 10.8” x 3.9” x 6.6” (LxWxH)
[275 mm x 100 mm x 167 mm]
Weight: 10.26 lbs [4.65 kg]

**HP10300-B**
HP425 12VDC AIR COMPRESSOR
Duty Cycle: 50% [30 min on / 30 min off]
Max Working Pressure: 200psi [1379 kPa]
Voltage: 12 VDC
Size: 10.8” x 3.9” x 6.6” (LxWxH)
[275 mm x 100 mm x 167 mm]
Weight: 10.26 lbs [4.65 kg]
AIR MANAGEMENT
FOR ALL YOUR ADVENTURES

HP425 12 VDC SPECIFICATIONS

GENERAL DATA
- PART NUMBER: Chrome [HP10300], Black [HP10300-B]
- WEIGHT: 10.26 lbs [4.65 kg]
- AMBIENT TEMPERATURE RANGE: -40°F to 158°F [-40°C to 70°C]
- MAX DUTY CYCLE: 50% [30 min on / 30 min off]

PNEUMATIC DATA
- RATED FLOW: 1.75 SCFM [0.05 m³ / min]
- MAX WORKING PRESSURE: 200 psi [1379 kPa]
- MAX CONTINUOUS RUN TIME: 30 min
- MAX CURRENT: 23 A

ELECTRICAL MOTOR DATA
- OPERATING VOLTAGE: 12 VDC ± 15%
- NOMINAL POWER: 0.25 hp [0.18 kW]
- NOMINAL VOLTAGE: 12 VDC

*Operating life may be dependent on application

HP425 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>24 seconds</td>
<td>21 seconds</td>
</tr>
<tr>
<td>2½ Gallon</td>
<td>HP10050</td>
<td>135 seconds</td>
<td>110 seconds</td>
</tr>
<tr>
<td>5 Gallon</td>
<td>HP10094</td>
<td>255 seconds</td>
<td>230 seconds</td>
</tr>
</tbody>
</table>

HP425 12 VDC - CURRENT AND FLOW RATE VS. PRESSURE (13.8 VDC)