CycloBlower® Transport Series
Blowers & Vacuum Pumps
Gardner Denver
— Tradition
— Quality
— Innovation
— Results

Dependable Supply of Clean, Oil-Free Air

Gardner Denver CycloBlower offers superior performance and dependability for dry bulk material handling. The exclusive smooth running helical screw rotor design and the precision tolerances engineered into each CycloBlower provides cooler, more efficient compression for extended blower life. Load after load, year after year, Gardner Denver CycloBlower is the leader in efficiency.

Quality + Tradition = Trust

• Tradition: 150 years of quality manufacturing with proven results
• Every CycloBlower is manufactured in our ISO 9001 certified facility in Sedalia, Missouri
• Each CycloBlower is individually tested to meet rigorous performance specifications
• Requested by leading Original Equipment Manufacturers (OEMs), fleet operators and dealers worldwide for a wide range of transport applications
• Supported by a worldwide network of experienced and trusted sales and service professionals
• The CycloBlower Warranty
  – 18 months from the date of shipment or
  – 12 months from the date of installation, whichever occurs first
Efficient, Shock-Free Compression
• Helical screw rotors generate a balanced compression cycle
• Providing a smooth and steady discharge, eliminating the sudden release of trapped pockets of air into the line
• Contoured inlet and discharge ports minimize pulsations

High Capacity
• Industry unique rotor profile and accurately maintained tolerances allow the CycloBlower to operate at high speeds for increased capacity

Dependable Products
• Superior and consistent quality can be found in every CycloBlower as a result of:
  – Continual investment in the training of world-class manufacturing personnel
  – Quality inspections throughout the entire manufacturing process
• Compact design utilizing optimum performance materials
• Reduced vibrations result in longer service of critical blower components

CycloBlower Transport Provides
— Pressure to 18 psig
— Vacuum to 17” Hg
— Airflow to 1060 cfm
— 12/18 Warranty
Unique CycloBlower Design Features
1. Double-End Driveshaft
   - Permits either clockwise or counterclockwise drive rotation
   - Allows for roadside or curbside installation with alternate air inlets

2. Lubrication System
   - Proven results with inlet end bearings grease lubricated with relief fittings to prevent over-lubrication
   - Discharge end bearings and gears lubricated by self-contained oil splash system

3. Bearings
   - Inlet-end single-row cylindrical and ball bearings carry radial loads

4. Bearing Carriers
   - Structurally designed and dowelled to housing to ensure proper alignment

5. Rotors
   - Helical four-flute gate rotor and two-lobe main rotor with integral shafts for improved efficiency and greater capacity
   - Rotors balanced to provide maximum efficiency and smooth operation

6. Housing
   - One piece, high strength, precision machined casting ensures durability
   - Resists deflection to retain precise running clearances between rotors
   - Housing fitted with fusible plug in discharge port, indicates when accidental over-pressurization causes high discharge air temperatures
   - Housing has alternate air inlet ports

7. Air Shaft Seals
   - Labyrinth design with bronze-filled Corrugund shaft seals ensures controlled minimal leakage of air

8. Bearings
   - Discharge end angular-contact bearings provide proper axial and radial rotor positioning

9. Timing Gears
   - Provide precise synchronization of the rotors
   - Consists of two quiet-running, helical AGMA 12 alloy steel gears, precision hobbed and shaved
Optional equipment includes mounting bracket and PTO companion flange for tractor mounting. Inlet and discharge silencers and pneumatic hose with fittings are additional options available from either factory or distributor stock.

**Truck Blower Overhaul Kit**
- One kit covers all standard T5CDL Series blowers
- Prepackaged kit

**Standard-Duty Filter**
- Formed from carbon steel-designed to withstand the heavy punishment of over-the-road operation

**Relief Valves**
- Discharge fittings available in 3” and 4” line sizes
- Each kit includes: pipe nipple and tee, cam-and-groove male adapter and duster cap
- Discharge check valves available
Performance and Dimensional Data

Tractor Mounted Power-Take-Off Units

<table>
<thead>
<tr>
<th>Model</th>
<th>Data Sheet Number</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>Weight</th>
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<tbody>
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<td>T5CDL9L</td>
<td>37-2-400</td>
<td>25.9</td>
<td>31.3</td>
<td>30.0</td>
<td>13.4</td>
<td>16.9</td>
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Performances based on inlet air at standard temperature of 68°F, and ambient pressure of 14.7 psia and 36% relative humidity.
Dimensions shown in inches. Weights as approximate.

Performance Data Blowers for Power Take-off Drive

<table>
<thead>
<tr>
<th>Model</th>
<th>RPM</th>
<th>PRESSURE PERFORMANCE</th>
<th>VACUUM PERFORMANCE</th>
<th>Size and Type Ports</th>
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<td></td>
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<td>12 PSIG</td>
<td>16 PSIG</td>
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<td>CFM</td>
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<td>220</td>
<td>19.0</td>
<td>200*</td>
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<td>1,250</td>
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<td>23.0</td>
<td>285</td>
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</table>

Performances based on inlet air at standard temperature of 68°F, and ambient pressure of 14.7 psia and 36% relative humidity.
* Recommended at intermittent service.

Dimensions shown in inches. Weights as approximate.

Performances based on inlet air at standard temperature of 68°F, and ambient pressure of 14.7 psia and 36% relative humidity.
Genuine Gardner Denver Parts and Lubricants

- Maintain the Gardner Denver performance advantage and reliability with genuine GD replacement parts
- Protect your Gardner Denver investment with AEON® PD lubricants formulated for all blowers in demanding applications
- Now available AEON® PD-XD specifically designed for high ambient and/or high discharge temperature conditions

Service Commitment

- International organization of factory-trained service personnel supported by a world wide distribution network of trained professionals
- Factory/remanufacturing program assures maximum durability at minimum cost

CycloBlower rotors are precision ground using state of the art milling technology.