ROOTS™ EASYAIR® X2 Factory Blower Package System

Package Standard Equipment
- Bi- or tri-lobe splash lubricated blower
- Acoustic enclosure with robust painting system
- Drive motor is high efficiency, TEFC enclosure with 1.15 service factor
  - Or provide us with your specified motor requirements and let Roots provide the solution
- Self-tensioning V-belt drive
- Inlet filter/silencer with polyester element
- Discharge silencer (non-packed; multi-chamber)
- Non-electric enclosure vent fan
- Vibration isolation pads
- Panel-mounted filter restriction gauge, system pressure/vacuum gauge, discharge temperature gauge
- Discharge flexible connector
- Check valve
- Pressure relief valve
- Oil drain manifold with sight gauge

Basic Blower Package Description
The ROOTS™ EASYAIR® X2 system is the most cost-effective factory designed blower package available for your:
- Wastewater & water treatment needs.
- Pneumatic conveying & bulk handling needs.
- Process air needs.

A vastly improved design based on the popular EASYAIR® 8000 product line features that you have come to trust and rely on. The EASYAIR® X2 system provides the best of performance engineering in a standard package. It can be configured to meet unique requirements and is suitable for pressure or vacuum applications.

Package Design Features
- Easy to install, with the industry’s smallest footprint. Electrical access through the floor or rear panel gives you the flexibility you need at your site.
- Unique, automatic belt-tensioning system is counter-balanced, optimizing the life of the v-belts. No special jacks are required to lift the motor when replacing belts (saving time and effort).
- Side-by-Side installation allows for more efficient use of your available space.
- Keyed locking panels allow easy filter maintenance and safe access to equipment.
- Air flow from front to rear is optimized for personnel safety and equipment reliability.
- Access to air filter is convenient and designed for minimal pressure losses, improving reliability and blower efficiency and protecting your investment.
- Blower shaft-mounted fan provides exceptional cooling, reducing enclosure temperature dramatically and extending the life of critical components.
  - No secondary electric cooling fans are necessary with an EASYAIR® X2 package.
- Gauges are provided to monitor blower health as standard equipment and positioned ergonomically for your personnel’s safety.
  - Optional equipment and process monitoring configurations are available for specific needs.
- Acoustic enclosure is designed to provide up to 22 dBA free field attenuation, allowing you to meet the specified noise requirements of the jobsite.
  - All access panels are less than 50 lbs (23 kg) allowing safer access to operating and maintenance personnel.
- Largest operating performance range provides you with a multitude of efficient and compact solutions so your requirements are satisfied.
Roots owns and operates strategically located blower maintenance and repair facilities in the following areas: Connersville, Indiana, Houston, Texas, Skelmersdale, United Kingdom, Mexico City, Mexico, Dubai, UAE, Shanghai, China.

Roots has additional Authorized service capability via an excellent and extensive network of Distributors and Agents.

Each facility is well equipped and staffed with factory trained service personnel to meet your unique needs. These facilities regularly service competitor units and keep critical parts on hand for expedited delivery. Roots warrants all authorized maintenance and repair work with one year coverage on all parts and workmanship. Certified ISO-9001.

**Warranty**

Simply put, Dresser Roots offers the best warranty and support in the industry.

<table>
<thead>
<tr>
<th>Applicable Series or Model</th>
<th>Designation or Gear Diameter</th>
<th>Warranty period-months from date of original unit start-up/months from date of original shipment, whichever occurs first</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bare Shaft Unit</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>URA® &amp; URA-J® including DSL</td>
<td>2½ - 7 inch</td>
<td>24/30</td>
</tr>
<tr>
<td>RAM® &amp; RAM-J®</td>
<td>4½ - 6 inch</td>
<td>24/30</td>
</tr>
<tr>
<td>RAM-X®</td>
<td>155, 225, 280, 400 &amp; 500</td>
<td>24/30</td>
</tr>
<tr>
<td>RAM-X®</td>
<td>600, 770, 800 &amp; 1000</td>
<td>12/18</td>
</tr>
<tr>
<td><strong>Standard Factory Package</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Note that Bare Shaft Blowers are covered separately above. Explicitly not included in Standard Factory Package warranty are drive belts, filter elements, hoses and fittings, gauges and switches.)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EasyAir® X2</td>
<td>50, 65, 100, 150 &amp; 200</td>
<td>18/24</td>
</tr>
<tr>
<td>EasyAir® X2</td>
<td>250 &amp; 300</td>
<td>12/18</td>
</tr>
</tbody>
</table>
### EASYAIR X2

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>G (OD)</th>
<th>H</th>
<th>BLOWER SIZE</th>
<th>APPROX WEIGHT EXCLUDING MOTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAX2 50</td>
<td>43.31 (1100)</td>
<td>39.36 (1000)</td>
<td>46.25 (1175)</td>
<td>10.88 (276.5)</td>
<td>7.66 (194.5)</td>
<td>33.53 (851.7)</td>
<td>2.00 (50)</td>
<td>2.38 (60.3)</td>
<td>0.78 (20)</td>
<td>URAI 22, 32, 33, 42</td>
<td>450-525 LBS</td>
</tr>
<tr>
<td>EAX2 65</td>
<td>43.31 (1100)</td>
<td>39.36 (1000)</td>
<td>46.25 (1175)</td>
<td>10.88 (276.5)</td>
<td>7.66 (194.5)</td>
<td>33.53 (851.7)</td>
<td>2.50 (65)</td>
<td>2.88 (73)</td>
<td>0.78 (20)</td>
<td>URAI 36, 45, 53</td>
<td>600-650 LBS</td>
</tr>
<tr>
<td>EAX2 100</td>
<td>49.21 (1250)</td>
<td>47.24 (1200)</td>
<td>59.05 (1500)</td>
<td>10.45 (265.5)</td>
<td>9.23 (234.5)</td>
<td>46.54 (1182)</td>
<td>4.00 (100)</td>
<td>4.50 (114)</td>
<td>0.78 (20)</td>
<td>URAI 47, 56, 59, RAM 404, 400, 409</td>
<td>900-1125 LBS</td>
</tr>
<tr>
<td>EAX2 150</td>
<td>60.03 (1500)</td>
<td>61.02 (1550)</td>
<td>67.91 (1725)</td>
<td>16.30 (414)</td>
<td>14.60 (371)</td>
<td>51.65 (1312)</td>
<td>6.00 (150)</td>
<td>6.60 (168)</td>
<td>0.78 (20)</td>
<td>RAMX 155, 225, 280</td>
<td>1650-1775 LBS</td>
</tr>
<tr>
<td>EAX2 200</td>
<td>66.93 (1700)</td>
<td>70.87 (1800)</td>
<td>80.70 (2050)</td>
<td>19.72 (500.9)</td>
<td>17.96 (456.3)</td>
<td>59.80 (1519)</td>
<td>8.00 (200)</td>
<td>8.63 (219)</td>
<td>0.78 (20)</td>
<td>RAMX 400, 500</td>
<td>2425-2550 LBS</td>
</tr>
<tr>
<td>EAX2 250</td>
<td>76.77 (1950)</td>
<td>90.55 (2300)</td>
<td>91.53 (2325)</td>
<td>24.25 (641.5)</td>
<td>16.98 (431.4)</td>
<td>69.50 (1765.2)</td>
<td>10.00 (250)</td>
<td>10.75 (273)</td>
<td>0.78 (20)</td>
<td>RAMX 600, 770</td>
<td>3650-3900 LBS</td>
</tr>
<tr>
<td>EAX2 300</td>
<td>83.66 (2125)</td>
<td>102.36 (2600)</td>
<td>97.44 (2475)</td>
<td>27.85 (707.5)</td>
<td>19.93 (506.4)</td>
<td>77.17 (1960.1)</td>
<td>12.00 (300)</td>
<td>12.75 (323.9)</td>
<td>0.78 (20)</td>
<td>RAMX 800, 1000</td>
<td>4950-5450 LBS</td>
</tr>
</tbody>
</table>

### Diagram Details

- **Discharge Pressure Gauge**: Inches H2O
- **Discharge Temp Gauge**: °F (°C)
- **Check Valve**: Latch (Key Req’d)
- **Expansion Joint**: Removable Panel
- **Removable Plates for Fork Lift**: 2.40 x 7.87 (61 x 200)
- **Gauge Panel**: Removable Panel for Drive Access
- **Intake Air**: 2.40 x 7.87 (61 x 200)
- **Exhaust Air**: Removable Panel for Maintenance Access unless Outside Air Piping is Attached
- **Filter Vacuum Gauge**: Inches H2O
- **Oil Level Viewing**: Inches H2O
- **Exhaust Air**: Removable Panel for Fork Lift
- **Discharge Pipe (OD)**: 2.40 x 7.87 (61 x 200)
- **Exhaust Air**: Removable Panel for Maintenance Access
- **Check Valve**: Latch (Key Req’d, 2 Supplied)
- **Removable Panel for Electric Access**: 6.30 x 10.24 (160 x 260)
- **Removable Panel for Fork Lift**: 2.40 x 7.87 (61 x 200)
- **Anchor Bolt Holes**: 12 Holes
- **Latch**: (Key Req’d) 2 Supplied
- **Clamps**: Rubber Boot with Clamps
- **OIL LEVEL VIEWING**: Removable Panel for Drive Access
- **Filter Vacuum Gauge**: Inches H2O
- **DISCHARGE PRESSURE GAUGE**: PSIG (BAR)
- **DISCHARGE TEMP GAUGE**: °F (°C)
- **CHECK VALVE**: Latch (Key Req’d, 2 Supplied)
- **REMOVABLE PANEL FOR MAINTENANCE ACCESS**: Optional
- **DISCHARGE PIPE (OD)**: 7.87 (200)
- **DISCHARGE PIPE (OD)**: 7.09 (180.00)

All dimensions in inches. Dimensions shown ( ) are millimeters.
Discharge pressure, filter vacuum and discharge temperature gauges are standard.

Automatic V-belt drive tensioning system.

Oil fill level site glass is visible without opening panels.

View with front panels removed.

View with rear panels removed.