Roots™ EasyAir® X2
Factory blower package system
Howden Roots EasyAir X2 factory blower package system includes innovative design features that reduce noise and maintenance costs while delivering reliable performance.

Basic Blower Package Description
The Roots 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.

The Roots EasyAir X2 system is a cost-effective factory designed blower package available for your:

- Wastewater & water treatment needs
- Pneumatic conveying & bulk handling needs
- Process air needs

Package Standard Equipment
- Bi- or tri-lobe splash lubricated blower
- Drive motor is high efficiency, TEFC enclosure with 1.15 service factor
- Or provide us with your specified motor requirements and let GE 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
- Acoustic enclosure with robust painting system
- Discharge flexible connector
- Check valve
- Pressure relief valve
- Oil drain manifold with sight gauge

Package Design Features
- Easy to install, with small footprint
- Electrical access through the floor or rear panel gives you added flexibility
- 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 designed for personnel safety and equipment reliability
- Access to air filter is convenient and designed to reduce 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
- Gauges are provided to monitor blower health as standard equipment and positioned ergonomically for your personnel’s safety
- Acoustic enclosure is designed to provide up to 22 dBA free field attenuation, helping you to meet the specified noise requirements of the jobsite
- Broad operating performance range provides you with a multitude of efficient and compact solutions so your requirements are satisfied
EasyAir X2 Package Sizes and Blower Performance Range
**Dimension Table**

<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>EA2 50</td>
<td>37.03 (940.5)</td>
<td>3.14 (79.9)</td>
<td>32.88 (834)</td>
<td>3.27 (83)</td>
<td>23.62 (600)</td>
<td>3.00 (76.2)</td>
<td>3.50 (88.9)</td>
<td>3.00 (75)</td>
<td>URAI 22, 32, 33, 42</td>
<td>450-525 LBS</td>
<td></td>
</tr>
<tr>
<td>EA2 65</td>
<td>37.03 (940.5)</td>
<td>3.14 (79.9)</td>
<td>32.88 (834)</td>
<td>3.27 (83)</td>
<td>23.62 (600)</td>
<td>3.00 (76.2)</td>
<td>3.50 (88.9)</td>
<td>3.00 (75)</td>
<td>URAI 36, 45, 53</td>
<td>600-650 LBS</td>
<td></td>
</tr>
<tr>
<td>EA2 100</td>
<td>53.76 (1365.5)</td>
<td>3.14 (79.9)</td>
<td>54.48 (1384)</td>
<td>3.27 (83)</td>
<td>27.55 (700)</td>
<td>6.00 (150)</td>
<td>6.60 (168)</td>
<td>3.00 (75)</td>
<td>URAI 47, 56, 59, RAM 404, 406, 409</td>
<td>900-1125 LBS</td>
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</tr>
<tr>
<td>EA2 150</td>
<td>68.77 (1747)</td>
<td>3.99 (101.5)</td>
<td>84.17 (2138)</td>
<td>3.19 (81)</td>
<td>35.83 (915)</td>
<td>12.00 (300)</td>
<td>12.75 (323.9)</td>
<td>7.09 (180.00)</td>
<td>Tri-RAM 617, 722, 728</td>
<td>3650-3900 LBS</td>
<td></td>
</tr>
<tr>
<td>EA2 200</td>
<td>83.66 (2125)</td>
<td>3.99 (101.5)</td>
<td>95.98 (2438)</td>
<td>3.19 (81)</td>
<td>35.83 (915)</td>
<td>12.00 (300)</td>
<td>12.75 (323.9)</td>
<td>SEE FLG VIEW</td>
<td>Tri-RAM 826, 832</td>
<td>4850-5450 LBS</td>
<td></td>
</tr>
</tbody>
</table>

All dimensions in inches. Dimensions shown ( ) are millimeters.
View with front panels removed

View with rear panels removed

Automatic V-belt drive tensioning system

Discharge pressure, filter vacuum and discharge temperature gauges are standard

Oil fill level site glass is visible without opening panels

Discharge connection

Automatic belt tensioning system is counter-balanced to optimize V-belt life
This conduit box may be located on the left side if a NEMA motor is supplied (IEC motor).
Servicing and Maintaining Your Investment

Howden owns and operates strategically located blower maintenance and repair facilities in the following areas: Connersville, Indiana, Houston, Texas, Mexico City, Mexico, Dubai, UAE, Shanghai, China.

Howden has additional authorized service capability via an 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. Howden warrants all authorized maintenance and repair work with one year coverage on all parts and workmanship. Certified ISO-9001.

Warranty

<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>Bare Shaft Unit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>URAI &amp; URAI-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>Tri-RAM</td>
<td>409, 413, 416, 617 &amp; 621</td>
<td>24/30</td>
</tr>
<tr>
<td>Tri-RAM</td>
<td>722, 728, 826 &amp; 832</td>
<td>12/18</td>
</tr>
<tr>
<td>Standard Factory Package</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>
At the heart of your operations

Howden people live to improve our products and services and for over 160 years our world has revolved around our customers. This dedication means our air and gas handling equipment adds maximum value to your operations. We have innovation in our hearts and every day we focus on providing you with the best solutions for your vital operations.

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