

Roots EasyAir™ Rotary

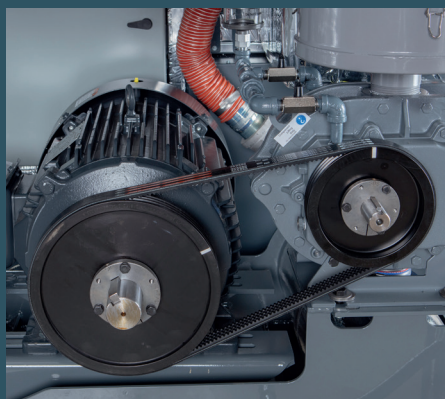
Factory blower package system



Howden EasyAir Rotary factory blower package incorporates innovative design features that reduce noise and increase your connectivity.

A configured rotary blower factory standard package suitable for both vacuum and pressure applications with flows up to 5,000 CFM (8,500 m³/hr). EasyAir Rotary can be controlled locally or wired in to be controlled remotely.

EasyAir Rotary can be installed indoors and outdoors. Customer can provide a process air/inlet connection to the package for pressure applications, or draw in ambient air. EasyAir Rotary provides all the components to meet your process air needs with the customer supplying the following: foundation, electrical/ incoming power & process air connections.



Key benefits:

- ✓ "Plug and play" installation with small footprint
- ✓ Acoustical enclosure designed to limit free field noise levels to 80 dBA
- ✓ Easy integration into customers' controls and process through optional LCP
- ✓ Full access to 360° of the enclosure for easy and convenient maintenance
- ✓ Side-by-side installation for efficient usage of space
- ✓ Indoor/Outdoor installation



EasyAir™ Rotary is a fully plug and play product, equipped with the following components:

Roots rotary blower

Drive motor and v-belt drive components

Baseplate (v-belt self-tensioning and isolation pads)

Inlet filter with element

Discharge silencer

Pressure relief and check valve

Acoustical enclosure with exhaust/ventilation fan

Filter restriction, discharge pressure and discharge temperature gauges

EasyAir controller:

Standard configuration available with analog gauges, can be replaced with the integrated controller

Variable frequency drive (VFD) integration available with both analog gauge or integrated controller

Integrated controller able to monitor the following parameters: discharge pressure, discharge temperature, inlet filter restriction, blower vibration, inlet/enclosure temperature, oil level and oil temperature

Operation in both local and remote modes, tying into customer's control systems

Multiple shutdown and alarm parameters to ensure safe operation



Fields of application



Wastewater treatment

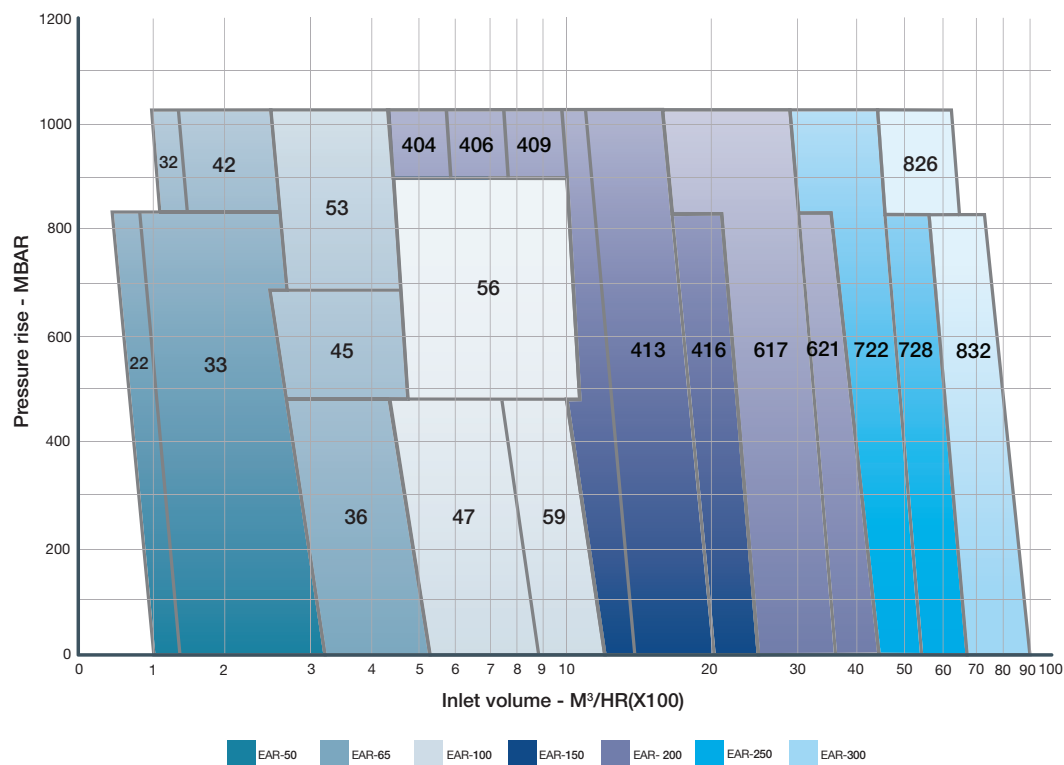
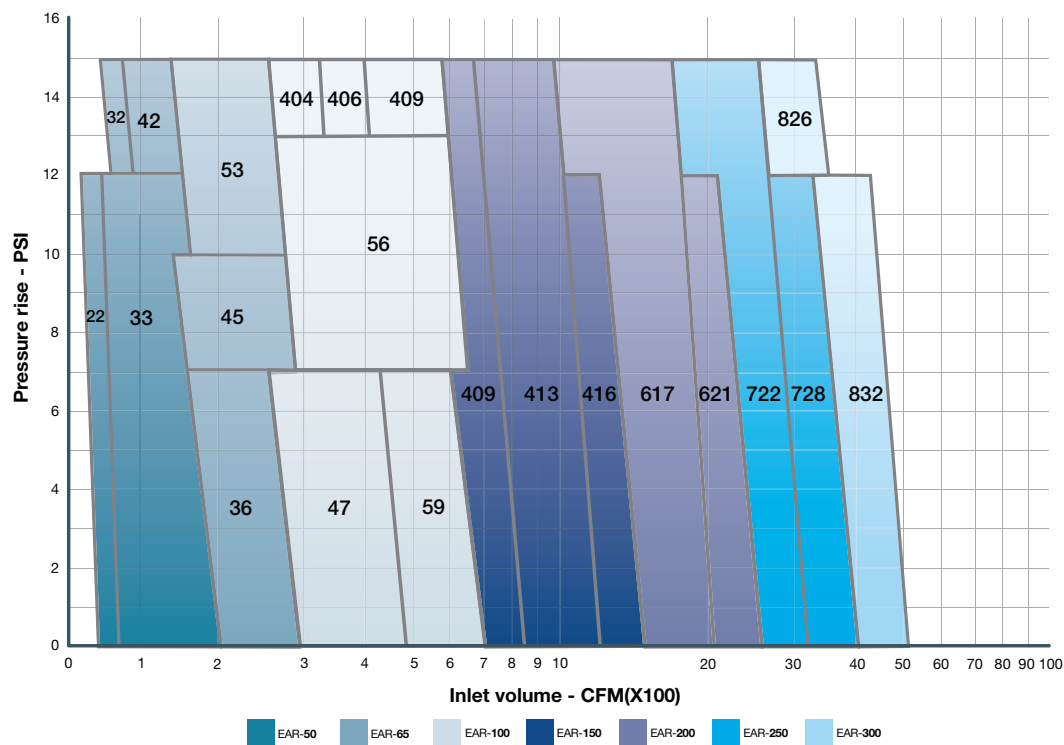


Pneumatic conveying

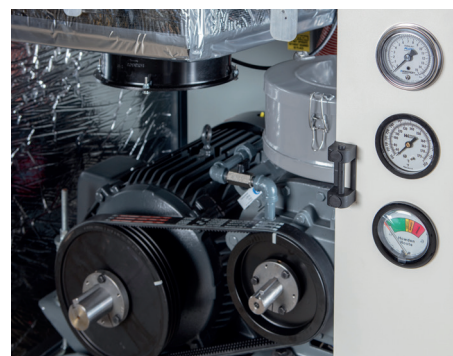
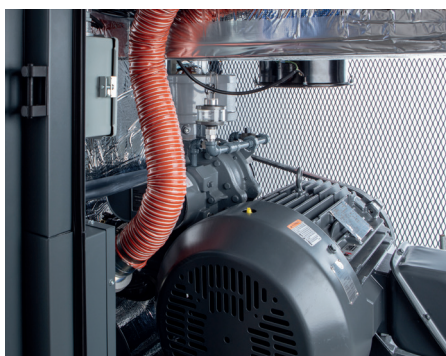
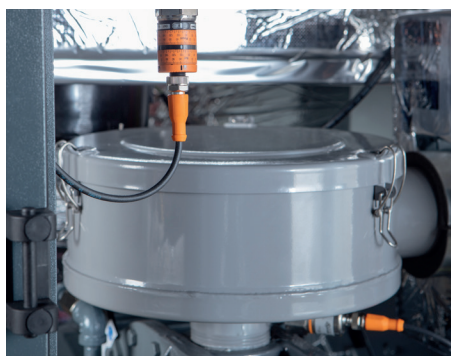


General process air

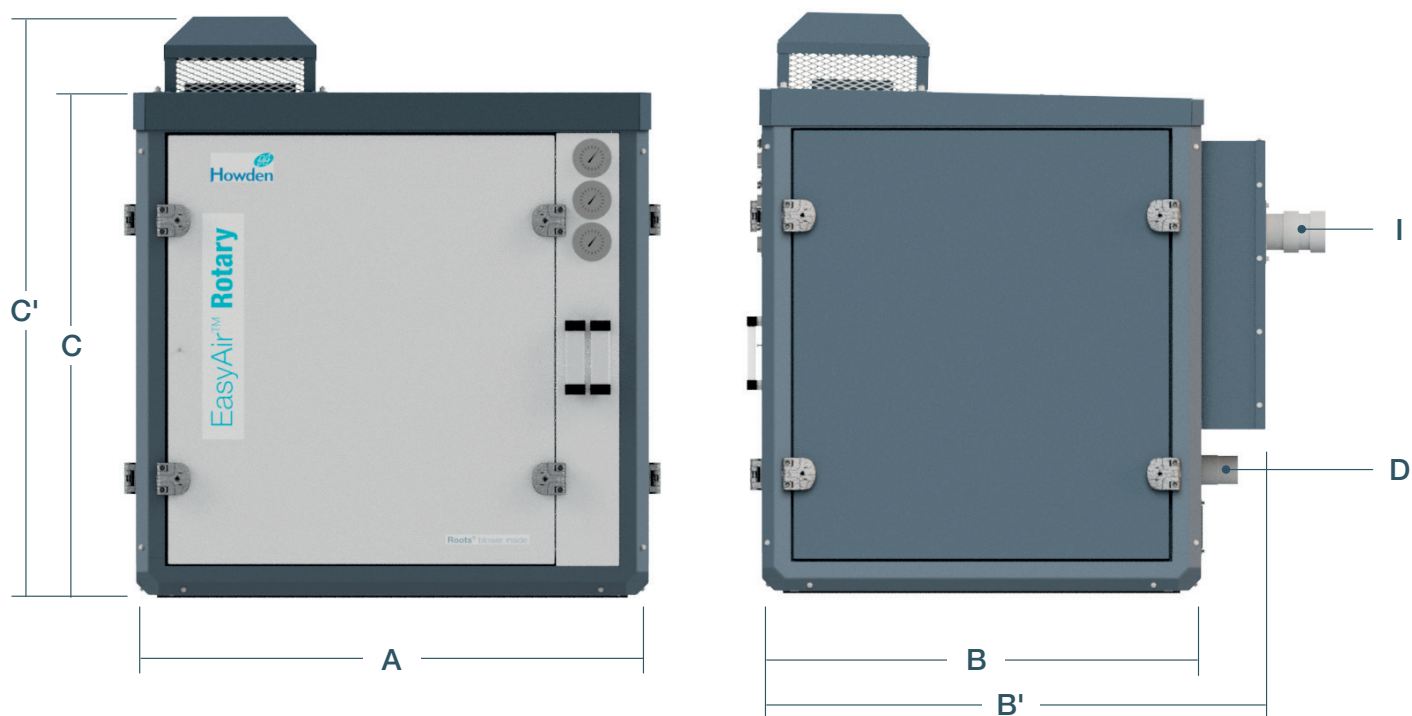
Frame size and performance range



Designed to limit noise levels to 80 dBA.



Specifications and dimensions



Dimension Table

Model	A	B	B'	C	C'	D (Discharge connection)	I (Inlet connection)	Blower Size	Approx. Weight Excluding Motor
EAR-50	48.3 (1227)	41.3 (1049)	47.4 (1204)	47.3 (1201)	54.4 (1381)	2.0 (50)	3.0 (76)	URAI 22, 32, 33, 42	450–525 lbs
EAR-65	48.3 (1227)	41.3 (1049)	47.4 (1204)	47.3 (1201)	54.4 (1381)	2.5 (65)	3.0 (76)	URAI 36, 45, 53	600–650 lbs
EAR-100	54.3 (1379)	49.9 (1267)	59.8 (1519)	61.5 (1562)	67.9 (1725)	4.0 (100)	4.0 (100)	URAI 47, 56, 59, RAM 404, 406, 409	900–1125 lbs
EAR-150	68 (1727)	72.1 (1831)	82.8 (2103)	69.9 (1775)	75.4 (1915)	6.0 (150)	6.0 (150)	Tri-RAM 409, 413, 416	1650–1775 lbs
EAR-200	72.8 (1849)	72.9 (1852)	72.9 (1852)	82.5 (2096)	91.5 (2324)	8.0 (200)	8.0 (200)	Tri-RAM 617, 621	2425–2550 lbs
EAR-250	80.7 (2050)	90.6 (2301)	90.6 (2301)	96.7 (2456)	110 (2690)	10.0 (250)	12.0 (300)	Tri-RAM 722, 728	3650–3900 lbs
EAR-300	88.0 (2235)	102.4 (2601)	102.4 (2601)	101.7 (2583)	112.7 (2862)	12.0 (300)	12.0 (300)	Tri-RAM 826, 832	4950–5450 lbs

All dimensions in inches. Dimensions shown () are millimeters.



Servicing and warranty

Howden has additional authorized service capability via an extensive network of distributors and agents.

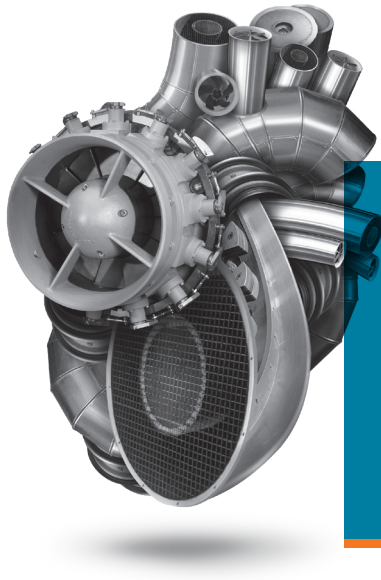
Each facility is well equipped and staffed with factory trained service personnel to meet your unique needs. These facilities regularly service competitor units and keep critical parts on hand for expedited delivery.

Howden warrants all authorized maintenance and repair work with one year coverage on all parts and workmanship. Certified ISO-9001.

Applicable series or model	Designation or gear diameter	Warranty period-months*
Bare shaft unit		
* URAI & URAI-J including DSL	2½ - 7 inch	24/30
* RAM & RAM-J	4½ - 8 inch	24/30
* Tri-RAM	4½ - 8 inch	24/30
* EasyAir Rotary	50, 65, 100, 150, 200, 250 & 300	18/24

Standard Factory Package (Please note – the bare shaft blowers marked * are covered separately). Explicitly not included in standard factory package warranty are drive belts, filter elements, hoses and fittings, gauges and switches.

* from date of original shipment, whichever occurs first



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.



Howden

4654 West Junction St.
Springfield, MO 65802
USA

Tel: 417 864 5599
Email: inquiries.USA@howden.com
Web: www.howden.com

Revolving Around You™