World Leader in Energy Recovery

DRI ECO-FRESH™
Energy Recovery Wheels

AHR® CERTIFIED®
www.drirotors.com

Innovative Air Solutions
World Class Features

High Selectivity:
EcoFresh Energy Wheels MS 270A series use Molecular Sieve 3Å (EcoSorb 300) desiccant coated on aluminium substrate. This results in high latent recovery and control on cross contamination.

Aluminium Substrate:
The aluminium substrate eliminates any fire risks and results in high sensible recovery and high structural strength.

In-built purge sector eliminates cross contamination:
Purge section provides strict separation of air flows, preventing carryover of bacteria, dust and pollutants from exhaust air to supply air.
Purge section and sealing system limit cross contamination to 0.04% of the exhaust air concentration by volume.

Non-Contact Labyrinth Seal:
- No wear and tear • Effective sealing • Long life • Brush seal for wheels upto 2200 mm.

Structural Rigidity, Hardened Edges and Innovative Manufacturing Design:
- State-of-the-art winding technology and adhesives give EcoFresh rotors high structural strength.
- Wheel edges hardened as standard to suit marine coastal application needs.

Highly Polished Surface:
Vertical run-out less than 1 mm per 1000 mm resulting in extremely low leakage across the central divider seals.

Robust Spoke Structure

Highest Recovery Efficiency Ratio (RER) in the industry

Industry’s Highest Recovery Performance:
- High Desiccant loading / coating.
- Equal sensible and latent recovery, thus, comparatively higher total enthalpy recovery.
- Higher performance, low pressure drops.
- Laminar airflow due to thin aluminium substrate and uniform desiccant coating.
- Superior airflow characteristics.

Wide Range & Additional Options:
- Total energy recovery (Enthalpy) and AHRI Certified sensible wheels.
- Customized flute height and rotor depth options
- Cassette as well as rotor options
- Standard and Customized options
- 500 mm to 5000 mm (dia.)
- Easy retrofit options

Segmented and Non-Segmented Options

Controls Package Available

Worldwide Recognition

Fully integrated Manufacturing Plant

Selection Software Available

World’s largest installation base
DRI has the world’s largest installation base of 3Å Molecular Sieve Coated Wheels

DRI Green building products help to maintain Indoor Air Quality (IAQ) requirements and recover energy from exhaust air, resulting in considerable reduction in installed tonnage and utility bills.

They also assist in enhancing Indoor Air Quality (IAQ), maintaining desired temperature and humidity and increasing productivity.

Worldwide Memberships

DRI has its Airengineers spread out world over
- India
- Indonesia
- Philippines
- China
- USA
- Bangladesh
- Switzerland
- UAE
- Malaysia
- Vietnam
- Korea
- Japan
- Canada
- Brazil
- Nigeria
- Saudi Arabia
Heat Recovery Wheel - Performance Data
HRW SERIES (MS-270A-1.8mm)

### Velocity

<table>
<thead>
<tr>
<th>Velocity</th>
<th>M/S</th>
<th>1.0</th>
<th>1.5</th>
<th>2.0</th>
<th>2.5</th>
<th>3.0</th>
<th>3.5</th>
<th>4.0</th>
<th>4.5</th>
<th>5.0</th>
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</thead>
<tbody>
<tr>
<td>FPM</td>
<td></td>
<td>200</td>
<td>300</td>
<td>400</td>
<td>500</td>
<td>600</td>
<td>700</td>
<td>800</td>
<td>900</td>
<td>1000</td>
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</tbody>
</table>

### Efficient Lateral (Winter Heating)

<table>
<thead>
<tr>
<th>Efficiency In %</th>
<th>FPM</th>
<th>200</th>
<th>300</th>
<th>400</th>
<th>500</th>
<th>600</th>
<th>700</th>
<th>800</th>
<th>900</th>
<th>1000</th>
</tr>
</thead>
</table>
| Note: (1) 2200mm diameter and above rotors are available with removable segmented media. Half moon cassettes complete with half moon rotors for containerisation and ease of shipping are available as options. Dimensions and weight shall very in such cases. (2) Because of our policy of continuous product improvements, specifications are subject to change without notice. (3) The above models carry a Suffix (N) when intended for sale in North America, as an AHRI certified Product, with 60Hz Drive Motor.

### Height and Width

<table>
<thead>
<tr>
<th>Height A (&quot;</th>
<th>Width B (&quot;</th>
<th>Net Weight Kgs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pa</td>
<td>in.</td>
<td>lbs</td>
</tr>
<tr>
<td>76</td>
<td>97</td>
<td>165</td>
</tr>
<tr>
<td>82</td>
<td>97</td>
<td>233</td>
</tr>
<tr>
<td>92</td>
<td>97</td>
<td>284</td>
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<tr>
<td>115</td>
<td>97</td>
<td>295</td>
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<tr>
<td>165</td>
<td>97</td>
<td>345</td>
</tr>
</tbody>
</table>

### Country

- **Desiccant Rotors International Pvt. Ltd.**
- **DRI (India)**
- **DRI (Korea)**
- **DRI (USA)**
- **DRI (UK)**
- **DRI (Japan)**

### Contact Information

- **DRI (INDIA)**
  - 100-103, Udyog Vihar, Phase IV, Gurgaon 122003, INDIA
  - Tel.: +91-124-488888
  - Fax: +91-124-488888
  - E-Mail: drimarketing@pahwa.com
  - Web: www.drirotors.com

- **DRI (KOREA)**
  - 357-603 Yeoksam E-pyeon
  - Seongnam, KS 462-850, Korea
  - Tel.: +82-31-377-1020
  - Fax: +82-31-377-1021
  - E-Mail: drikorea@hanmail.net
  - Web: www.drikorea.co.kr

- **DRI (USA)**
  - 8679 Rio Grande Blvd. NW
  - Los Ranchos, NM 87114, USA
  - Phone: +1-505-895-2767
  - Fax: +1-505-895-0901
  - E-Mail: mgclark@driamerica.com
  - Web: www.driamerica.com

- **DRI (UK)**
  - 100-101, Udyog Vihar, Phase-IV, Gurugram 122015, INDIA
  - Tel.: +91-124-4188888
  - Fax: +91-124-4188800
  - E-Mail: drimarketing@pahwa.com
  - Web: www.drirotors.com

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