



Innovative Air Solutions

**DESICCANT ROTORS INTERNATIONAL PVT LTD.**

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## TECHNICAL SPECIFICATION

Bulletin : DRI-ERV-029-04  
Effective : June 01, 2012  
Supersedes : DRI-ERV-029-03  
Dated : July 21, 2011

### ENERGY RECOVERY VENTILATOR

#### ERV-500i / 800i / 1000i

ERV-500i/800i/1000i CABINET-STYLE ENERGY RECOVERY VENTILATOR

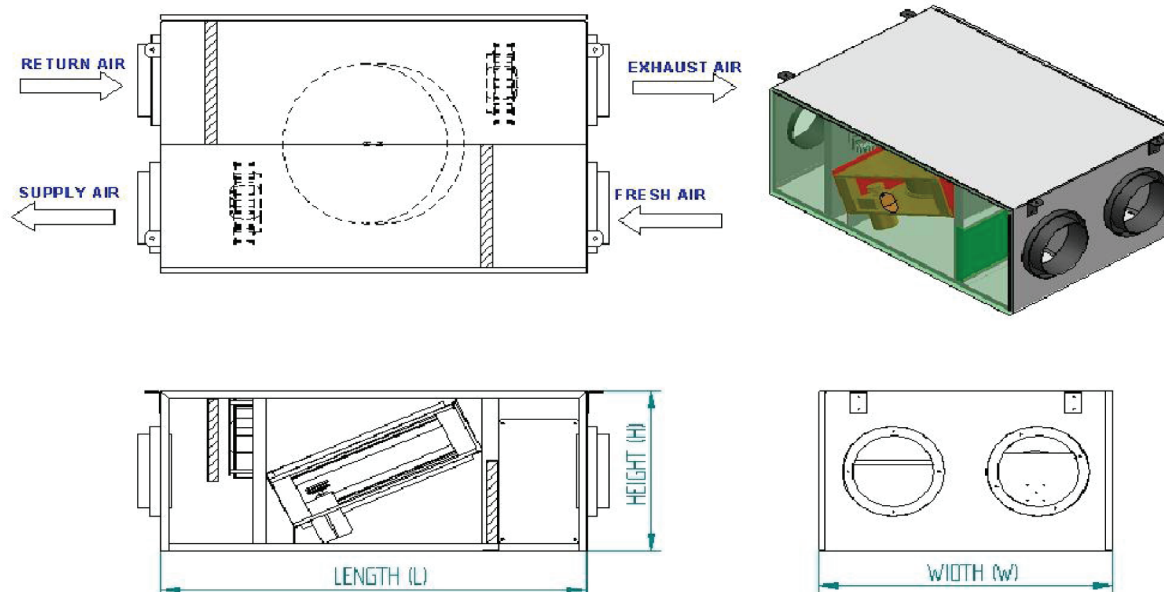
ALL ERV's UNIVERSAL MOUNT, CABINET-STYLE ENERGY RECOVERY VENTILATORS COME STANDARD WITH :

- CNC MANUFACTURED COMPONENT
- OUTER CASING SHALL BE 22 GAUGE PRECOATED PLASTICIZED SHEETS
- INTERNAL COMPONENT SHALL BE GALVANISED STEEL SHEETS
- MOLECULAR SIEVE COATED ALUMINIUM, "ECOFRESH".  
TOTAL ENERGY RECOVERY WHEEL.
- COMPACT BACKWARD CURVED RADIAL FANS WITH EXTERNAL ROTOR MOTOR.
- CASING INSULATED WITH 13mm CLOSED CELL, HIGH DENSITY INSULATION TO PREVENT CONDENSATION OF MOISTURE ON EXTERIORS OR INTERIORS OF THE UNIT.
- LARGE PANEL OPENING FOR EASY ACCESS TO FILTERS, AND INSPECTION OF OTHER COMPONENTS.
- REMOTE START/STOP WITH 1.25 MTR.LONG CABLE.
- REMOVABLE, WASHABLE SYNTHETIC PRE FILTERS.
- FEATHER TOUCH BRUSH SEALS MINIMIZE CROSS CONTAMINATION & ENSURE LONG LIFE.

### SPECIFICATION

| MODEL     | SUPPLY AIR FLOW CMH | DUCT CONNECTION IN mm | EXHAUST AIR FLOW CMH | DUCT CONNECTION IN mm | SUPPLY BLOWER WATT | EXHAUST BLOWER WATT | BED DRIVE MOTOR WATT | Power Consumption at rated Air Flow (Watts) | NOISE LEVEL (dbA) | DIMENSIONS IN MM (EXCLUDING BASE FRAME) |     |     | APPROX. SHIPPING WT. IN KG. | AC POWER SOURCE | EFFICIENCY |
|-----------|---------------------|-----------------------|----------------------|-----------------------|--------------------|---------------------|----------------------|---------------------------------------------|-------------------|-----------------------------------------|-----|-----|-----------------------------|-----------------|------------|
|           |                     |                       |                      |                       |                    |                     |                      |                                             |                   | L                                       | W   | H   |                             |                 |            |
| ERV-500i  | 500                 | 200                   | 500                  | 200                   | 155                | 155                 | 25                   | 335                                         | 45*               | 1030                                    | 720 | 440 | 71                          | 230V/1Ph/50Hz   | Up to 70%  |
| ERV-800i  | 800                 | 250                   | 800                  | 250                   | 185                | 185                 | 25                   | 395                                         | 45*               | 1400                                    | 800 | 440 | 95                          | 230V/1Ph/50Hz   |            |
| ERV-1000i | 1000                | 250                   | 1000                 | 250                   | 225                | 225                 | 25                   | 475                                         | 45*               | 1500                                    | 850 | 440 | 110                         | 230V/1Ph/50Hz   |            |

\*MEASURED AT 3 MTRS. DISTANCE (AT 90 DEGREES), WHEN UNIT IS DUCTED.



### OPTION AVAILABILITY

|                           |            |
|---------------------------|------------|
| ECONOMISER                | ON REQUEST |
| SENSIBLE RECOVERY         | AVAILABLE  |
| VARIABLE SPEED CONTROLLER | ON REQUEST |
| ALUMINIUM FILTERS         | AVAILABLE  |
| CO2 MONITOR               | AVAILABLE  |
| OUTLET DUCT GRILLS        | AVAILABLE  |

ALL DATA SUBJECT TO CHANGE WITHOUT NOTICE





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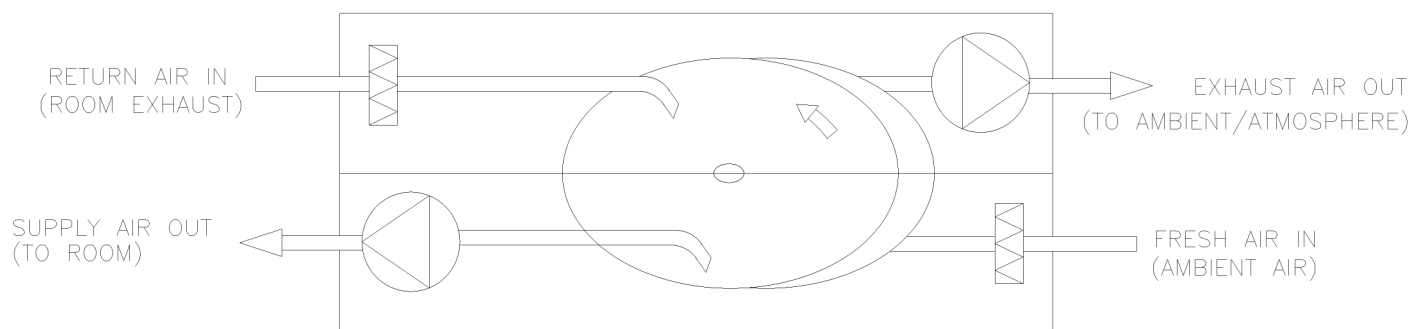
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## SYSTEM FLOW DIAGRAM



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