



PLATE EXCHANGER

ERV counter-flow core

CASING (Standard)

Material: pre painted sheet metal
Drain connections: optional
Duct connections: 6"
Insulation: Expanded Polyporopylene EPP
Length: 22" (560 mm)
Height: 42-5/6" (251 mm)
Width: 22" (560 mm)
Weight: 90 lb (41 kg)



MOUNTING (Standard)

Installation brackets and screws included
Floor support optional



ELECTRICAL & CONTROLS (Standard)

230 V, 50/60 Hz, MCA 4 A, MOP 15 A,
Max watt 350 W



FILTERS (Standard)

Quantity: 1 supply (MERV 8 standard),
1 exhaust (MERV 10 standard) (P/N 699678)*
Optional filter types: MERV 13 (P/N 699675), MERV 15
(P/N 699676) and MERV 13 with active charcoal (P/N 699677)

InspirAIR® TOP

ERV

P/N 699673

265 CFM



UNIT



CORE



BLOWERS & MOTORS

Two motorized fans (forward curved)
Constant Airflow EC motors



HUMIDITY SENSOR

Relative humidity sensor automatically adjusts ventilation
when excessive levels are detected



FROST PREVENTION/CONTROL

Standard: Automatic Fan Exhaust Cycles are controlled by
a temperature sensor when the outside temperature drops
below 14°F (-10°C).
Optional: 6 inch, 1.5 kW duct electric heater (P/N 699851)

WARRANTY

Limited 2 years on the cores and all covered components.

WALL CONTROLS

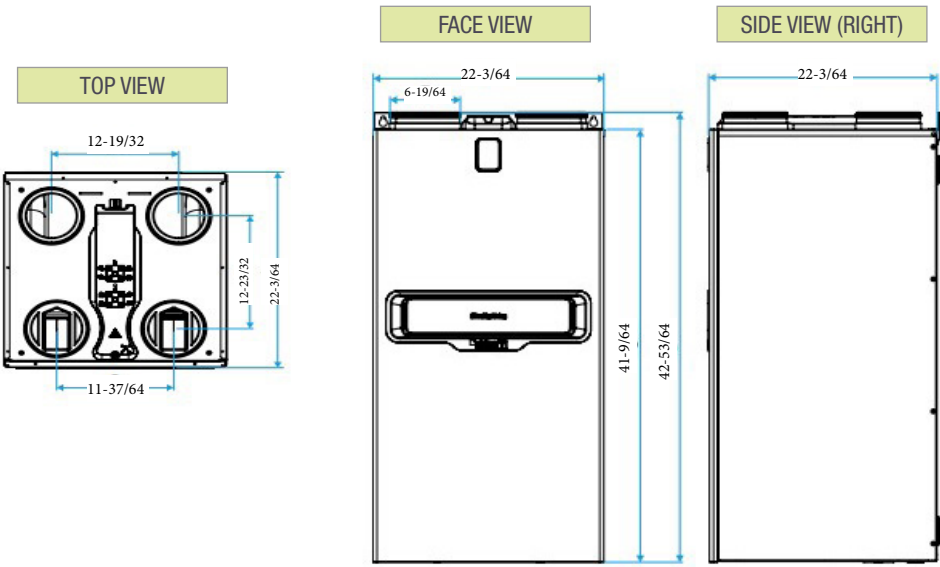
Low voltage dry contact (24VAC) for interlock with heating and
cooling systems.



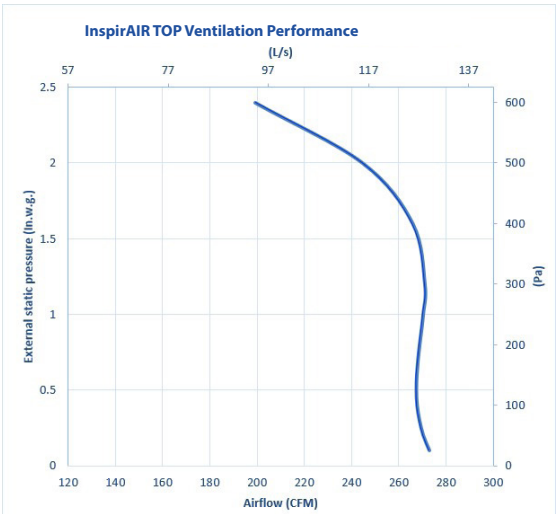
InspirAIR TOP control (standard) (P/N 699850)
InspirAIR TOP CO₂ control (optional) (P/N 699674)

| Type of Filters | Pollen >10 microns | Fine particles 10 microns | Fine particles 2.5 microns | Bacteria 1 micron | Volatile organic compounds |
|------------------------------|------------------------------------|---------------------------|---------------------------------------|-------------------|----------------------------|
| Examples of pollutants | Airbone pollution: soil, sand, ash | Pollen, grass | Urban pollution, mold, smoke, aerosol | Bacteria, dust | Odours, virus |
| MERV 8 | X | - | - | - | - |
| MERV 10 | X | X | - | - | - |
| MERV 13 | X | X | X | X | - |
| MERV 15 | X | X | X | X | - |
| MERV 13 with active charcoal | X | X | X | X | X |

Filtration levels expressed as per ISO 16980. *Filters MERV 8 and MERV 10 are sold together in a kit (1 unit of each).



InspirAIR TOP: PERFORMANCE



| Thermal Performance – InspirAIR TOP | | | | | | | | |
|-------------------------------------|----|-------------|-----|--------------------|------------------------------|---------------------------------------|------------------------------------|---------------------------|
| Supply Temperature | | Net Airflow | | Power Consumed (w) | Sensible Recovery Efficiency | Adjusted Sensible Recovery Efficiency | Latent Recovery/ Moisture Transfer | Total Recovery Efficiency |
| °F | °C | CFM | L/s | | | | | |
| Heating | | | | | | | | |
| 32 | 0 | 66 | 31 | 18 | 80% | 81% | | |
| 32 | 0 | 127 | 60 | 38 | 77% | 79% | | |
| 32 | 0 | 174 | 82 | 82 | 73% | 76% | | |
| Cooling | | | | | | | | |
| 95 | 35 | 65 | 31 | 18 | 75% | 78% | 89% | 84% |
| 95 | 35 | 126 | 59 | 42 | 69% | 73% | 81% | 77% |
| 95 | 35 | 175 | 82 | 92 | 61% | 68% | 75% | 71% |

| | | | |
|---------------|--|-------------|--|
| Project: | | Architect: | |
| Location: | | Engineer: | |
| Model #: | | Contractor: | |
| Quantity: | | Comments: | |
| Submitted By: | | | |
| Date: | | | |