Energy Recovery Ventilator (ERV)

FV-12VE1S / FV-12VE1T BalancedHome® 120 Elite ERV - Temperate Climate

Architectural Specifications:

ERV shall be ceiling or wall mount type with LED display speed selectors for supply and exhaust air. CFM shall be selectable from 30-120 CFM. ERV shall have 120 Net CFM on the exhaust ports and 120 Net CFM on the supply ports as tested under CSA-C439 standards at 0.4 static pressure in inches water gauge. ERV shall have Occupant Controlled Boost Capability to 120 CFM.
ERV shall have a fault indicator device to notify occupants of system issues. Power consumption shall be no greater than 73 watts at 0.2" w.g. static pressure at 121 CFM. Sensible Recovery Efficiency for heating shall be no less than 76% at 36 CFM net airflow at 0°C (32°F). Adjusted Sensible Recovery Efficiency for heating shall be no less than 78% at 36 CFM net airflow at 0°C (32°F). Total Recovery Efficiency for cooling shall be no less than 68% at 36 CFM net airflow at 35°C (95°F). When temperatures are within freezing, the unit will have the option to either recirculate or exhaust the air based on preset settings. The (2) motors shall be enclosed ECM brushless motors rated for continuous run. ECM motor speed shall automatically increase when the fan senses static pressure to maintain the selected CFM.
ERV shall incorporate an ASHRAE 62.2 intermittent and continuous timing function for code compliance. The power rating shall be 120v/60Hz, 3.1 amps. Duct diameters shall be no less than 6". ERV must include horizontal supply and return air adapters. ERV can be used to comply with ASHRAE 62.2, Ontario Building Code, and ENERGY STAR®* requirements; LEED, Indoor airPLUS, California Title-24, and 2021 Washington State Residential Energy Code.

* Wall Control/Fault Indicator Display (FID) FV-SCVE2 (sold separately).
* This product meets strict energy efficiency guidelines set by Natural Resources Canada and is ENERGY STAR® certified for the Canadian market only. There are no current Energy Star ratings for Energy Recovery Ventilators in the US market.