

ARCHITECTURAL SPECIFICATIONS
PANASONIC ADVANCED VENTILATION SOLUTIONS



FV-10VE1 Intelli-Balance™ 100: 50-60-70-80-90-100 CFM Energy Recovery Ventilator, Ceiling or Wall Mount, Multi Speed, Temperate Climate

ERV shall be ceiling or wall mount type with built-in speed selectors for both Supply and Exhaust air. Select from 50/60/70/80/100 CFM. ERV shall have 95 Net CFM on the exhaust ports and 99 Net CFM on the supply ports as tested in accordance with HVI 915 and 916 standards at 0.1 static pressure in inches water gauge. ERV shall have 95 Net CFM on the exhaust ports and Net 101 CFM on the supply ports at 0.4" w.g. static pressure. Power consumption shall be no greater than 62 watts at 0.1" w.g. and 80 watts at 0.4" w.g. static pressure. Apparent Sensible Effectiveness for heating shall be no less than 90% at 54 CFM net air flow under 32°F (0°C) as tested in accordance with CSA-C439. Total Recovery Effectiveness for cooling shall be no less than 73% at 52 CFM net air flow under 95°F (35°C). The supply port damper shall close when outdoor temperatures are < 14°F (-10°C) to prevent freezing of the core. The (2) motors shall be totally enclosed DC brushless motors rated for continuous run. DC motor speed shall automatically increase when the fan senses static pressure to maintain selected CFM. ERV shall incorporate an ASHRAE 62.2 Timing function for code compliance. Power rating shall be 120v/60Hz. Duct diameters shall be no less than 4". ERV can be used to comply with ASHRAE 62.2, LEED, IAP, California Title-24, and WA Ventilation Code.