

ARCHITECTURAL SPECIFICATIONS
PANASONIC ADVANCED VENTILATION & IAQ SOLUTIONS



FV-20VEC1: 60-200 CFM Energy Recovery Ventilator (ERV) with ECM Motor and Multi-Speed:

ERV shall be ceiling, wall or floor mount type with built-in speed selectors for both Supply and Exhaust air. Select from 60-80-100-120-140-160-180-200 CFM. ERV shall have 200 Net CFM on the exhaust ports and 200 Net CFM on the supply ports as tested in accordance with CSA-C439 standards at 0.4 static pressure in inches water gauge. ERV shall have Occupant Controlled Boost Capability. Power consumption shall be no greater than 129 watts at 0.4" w.g. static pressure. Apparent Sensible effectiveness for heating shall be no less than 86% at 67 CFM net airflow at 32°F (0°C). Sensible Recovery Efficiency for heating shall be no less than 67% at 66 CFM net airflow at -13°F (-25°C). Total Recovery Efficiency for cooling shall be no less than 61% at 135 CFM net airflow at 95°F (35°C). The defrost cycle function shall activate when outdoor temperatures drop to 14°F (-10°C). The (2) motors shall be totally enclosed ECM brushless motors rated for continuous run. ECM motor speed shall automatically increase when the fan senses static pressure to maintain selected CFM. ERV shall incorporate an ASHRAE 62.2 intermittent and continuous timing function for code compliance. Power rating shall be 120v/60Hz. Duct diameters shall be no less than 6". ERV must include adjustable vertical to horizontal supply and return air adapters. Can be used to comply with ASHRAE 62.2, Ontario, ENERGY STAR®* and Novoclimat requirements; LEED, IAP, California Title-24, and WA Energy Code Credits.

*Meets strict energy efficiency guidelines set by Natural Resources Canada and is ENERGY STAR® certified for the Canadian market only.