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**Specification:**

MTD-ERV 140 whole house heat recovery ventilation system (MVHR) for apartments. To provide continuous airflow of 50 – 170m<sup>3</sup>/h between normal operating mode and high speed combined with up to 92% heat recovery efficiency through the counterflow sonic welded polystyrol heat exchanger. Maximum airflow of 170m<sup>3</sup>/h @ 180Pa. MTD-ERV 140 to be fitted with EU F7 filters on supply air and waste air. Unit fitted with brushless DC EC constant volumetric flow with parallel flow technology motors complete with integrated thermostats. System controlled by internal intelligent biorhythmic control and automatic 100% bypass and automatic efficient defrost cycle. Unit to be fitted with water condensation drain plumbed to waste water.

MTD-ERV 140 system to be installed using the Eco-Air semi flexible 5 core aluminium polyester composite thermally insulated ducting on the waste air and Eco-Air acoustic and thermally insulated duct on the supply air. Eco Air ducting is certified and fire tested to EN 13502-1 B-s1,d0 and tested for air tightness to EN 13180 standard: Ventilation in Buildings – Air Ducts – Measurements and mechanical requirements for flexible ducts. Primary ducts to be Eco-Air 150mm diameter inner core with thermally insulated outer core. All mechanical fixing of ductwork system to be stainless steel, aluminium or galvanised steel. MTD-ERV 140 comes standard as a right handed unit which can be installed vertically or horizontally. Installation should be carried out in accordance with MTD Installation guide.

**Appendix Q registered.** Specific fan power 1.12 W/l/s

**Dimensions:** 740mm (h) X 595mm (W) X 260mm (D)      **Weight** 28Kg

**Electrical power supply:** 230/1/50Hz

***Improving Air & Sound Quality!***