Belgravia Tilevector Plus fan convector units for low water temperature applications

The conventional Tilevector fan convector is intended to be fitted in place of a 600mm square tile in a suspended ceiling system. It is designed for optimum operation against traditional hot water temperatures generated by conventional boilers.

The Tilevector Plus has been developed as an alternative unit with enhanced airflow and heat exchanger to optimise operation against the increasingly lower temperature hot water available from heat pumps and condensing boilers.

The tables below give details of the outputs obtainable from the Tilevector Plus unit supplied with various low grade hot water temperatures.

Overall dimensions of the Tilevector Plus unit are 595mm x 595mm x260mm. This includes the eggcrate grille.

Table 1. Performance at 50/40°C water, 18°C space

Speed	Low	Medium	High
Output (kW)	2.7	3.2	3.5
Water flow (l/s)	0.06	0.08	0.08
Water PD (kPa)	9.4	13.1	15.4

Table 2. Performance at 45/35°C water, 18°C space

Speed	Low	Medium	High
Output (kW)	2.1	2.6	2.8
Water flow (l/s)	0.05	0.06	0.07
Water PD (kPa)	6.5	8.9	10.6

Table 3. Performance at 50/35°C water, 18°C space

Speed	Low	Medium	High
Output (kW)	2.3	2.8	3.0
Water flow (l/s)	0.04	0.05	0.05
Water PD (kPa)	3.5	4.9	5.8

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