



## Wall Fans/Ceiling Fans Airbeam Transfan

### 1.1 General

A. Provide a ceiling mounted supply unit to meet the performance and configuration as indicated in the schedule and detail drawings. The unit shall be tested to BS848 and shall be of the Airbeam Transfan ceiling fan type as manufactured by VES Andover Ltd a company accredited with BS EN ISO 9001:2008. Airbeam axial fan performance is certified to AMCA 210.

### 1.2 Unit Construction

A. The unit shall be provided pre-assembled comprising a square pressed sheet steel duct, plate axial fan with inlet guard & 4-way diffusion grille.

B. Access for maintenance shall be via removal of the fan mounting plate and diffusion grille.

C. The diffusion grille shall be fully removable for maintenance & cleaning.

D. The unit shall be designed for mounting within a standard 595x595 ceiling tile grid.

E. The diffusion grille shall be finished as standard white to RAL9010. The duct shall be finished natural galvanised.

### 1.3. Fan

A. The fan shall be constructed with an aluminium bladed axial impeller, statically and dynamically balanced to ISO 1940.

B. The fan shall be mated with an aerodynamic steel bell mouth mounting plate.

C. The fan & mounting plate shall be finished black to RAL9005.

### 1.4. Motor

A. The fan shall be supplied with an external rotor motor to insulation class F, IP54 environmental protection rating.

B. The motor shall be provided with thermal protection cutout as standard.

C. The motor shall be pre-wired to a die cast aluminium terminal box.

### 1.4 Operation Environment

A. The unit shall be designed to operate in ambient temperatures from -30°C up to 70°C, and can run continuously at up to 100% humidity level.

### 1.5 Controls

A. The unit shall be available with optional fitted tapped transformer.

B. The transformer shall provide 5 speed settings, adjustable on commissioning.

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