

# Product Specification 50mm

## MAX B & MAX D

### 1.1. General

- A. Provide an air handling unit to meet the performance and configuration as indicated in the schedule and detail drawings. The air handling unit shall be tested to BS848 Part 1 and shall be of the MAX B or MAX D type as manufactured by VES Andover Ltd a company accredited with BS EN ISO 9001:2008.
- B. The unit shall conform to the schedule regarding case construction, component layout & finish. The detail drawings shall be supplied for approval where indicated in the schedule.

### 1.2. Unit Construction

- A. The unit shall be provided pre-assembled comprising of a rigidly constructed 50mm tubular aluminium case & double skinned galvanised sheet steel panels
- B. The unit shall be constructed to BS EN1886 standard & fully BSRIA tested for compliance to deflection rating class D1, leakage class L2 & thermal transmittance classes of T5 & TB5. Testing certificates shall be available on request.
- C. The unit shall be supplied in multiple sections for transporting & site installation as indicated in the schedule & detail drawings. The unit shall be pre-drilled & gusseted for sectional re-assembly on-site by others as indicated in the detail drawings and O&M documentation.
- D. The unit shall be available in a partially disassembled 'flat pack' form for ease of installation with awkward on-site access. Flat pack units shall be reassembled on-site by VES technical personnel as indicated in the schedule.
- E. The unit shall be available in plantroom or weatherproof construction as indicated in the schedule and detail drawings. Weatherproof units shall have an extended pitched lid supplied fitted as standard.
- F. The unit shall have component arrangement as indicated in the schedule & detail drawings.
- G. The unit shall have plain rectangular duct spigots as standard. Flanges shall be fitted as indicated in the schedule & detail drawings.
- H. The unit casework shall incorporate high quality leak resistant EPDM memory retaining clip-on gaskets on service & access panels.
- I. The unit casework shall be available with optional double-glazed inspection portholes supplied fitted as indicated in the schedule & detail drawings.
- J. The case panels shall be filled with inert mineral wool infill as standard. The panels shall be available with optional heavyweight plasterboard infill as indicated in the schedule & detail drawings.
- K. The case tubes shall be unfilled as standard. The tubes shall be available with optional heavy weight lead bead infill as indicated in the schedule & detail drawings.

- J. Units shall have access as indicted in the schedule & detail drawings. Where unit access details are not supplied, the unit shall be handed LHS looking in direction of supply airflow as standard, to be confirmed by drawing approval.
- L. Plantroom unit casework & spigots shall be supplied naturally finished in high quality galvanised steel as standard. Optional powdercoated colour as indicated in the schedule.
- M. Weatherproof units shall be supplied powdercoated signal grey RAL7004 as standard. Alternative colour according to schedule.
- N. The casework shall be available with internal epoxy powder coating suitable for coastal or corrosive environments as indicated in the schedule & detail drawings.
- O. The unit shall be designed to be secured to a suitable base or support frame, ensuring the use of correct fixings for the application and taking into account individual section & overall unit weight as indicated in the schedule and detail drawings.

### 1.3. Unit Base Frame

- A. The unit shall be supplied as standard on a galvanised sheet steel channel base. The unit shall be available with optional drop rod mounting feet as indicated in the schedule & detail drawing.
- B. The frame shall be 100mm high as standard, height as indicated in the schedule & detail drawings.
- C. The frame shall be available with optional lifting slots, suitable for use with strops or fork lifts. The frame with slots shall be a minimum of 125mm high.
- D. The frame shall be finished to match the unit casework.
- E. The frame shall be available with optional drop rod mounting holes on units up to MAX 5.

### 1.4. Inlet/Outlet Cowls

- A. Weatherproof unit casework shall be supplied with fresh air inlet & exhaust discharge cowls/ louvers where indicated in the schedule & detail drawing.
- B. Cowls shall be single skinned galvanised sheet steel, finished to match the unit casework.
- C. Cowls shall be available with optional flame retardant acoustic internal lining to ensure maximum thermal insulation and reduced noise transmission.

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