Product specification

Max® *Bespoke 25mm*

1.1. General

A. Provide an extract fan 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 A and Max C 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 and 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 25mm tubular aluminium case and double skinned galvanised sheet steel panels.

B. The unit shall be constructed to BS EN1886 standard and fully BSRIA tested for compliance to deflection rating class D1, leakage class L2 and thermal transmittance classes of T5 and TB5. Testing certificates shall be available on request.

C. The unit shall be supplied in multiple sections for transporting and site installation as indicated in the schedule and detail drawings. The unit shall be pre-drilled and 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 platform 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 and detail drawings.

G. The unit shall have plain rectangular duct spigots as standard. Flanges shall be fitted as indicated in the schedule and detail drawings.

H. The unit casework shall incorporate high quality leak resistant EPDM memory retaining clip-on gaskets on service and access panels.

I. The unit casework shall be available with optional double-glazed inspection portholes supplied fitted as indicated in the schedule and detail drawings.

J. The case panels shall be fitted with inert mineral wool infill as standard. The panels shall be available with optional heavyweight plasterboard infill as indicated in the schedule and 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 and detail drawings.

L. Units shall have access as indicated in the schedule and 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.

M. Platform unit casework and spigots shall be supplied naturally finished in high quality galvanised steel as standard. Optional powdercoated colour as indicated in the schedule.

N. Weatherproof units shall be supplied powdercoated signal grey RAL7004 as standard. Alternative colour according to schedule.

O. The casework shall be available with internal epoxy powder coating suitable for coastal or corrosive environments as indicated in the schedule and detail drawings.

P. The unit shall be designed to be secured to a suitable base or support frame, ensuring the use of correct fixings for application and taking into account individual section and 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 and detail drawings.

B. The frame shall be 100mm high as standard, height as indicated in the schedule and 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.

1.4. Inlet/outlet cowls

A. Weatherproof unit casework shall be supplied with fresh air inlet and exhaust discharge cowls/louvers where indicated in the schedule and detail drawings.

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.

Max® *Bespoke 50mm*

1.1. General

A. Provide an extract fan 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 and 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 and double skinned galvanised sheet steel panels.

B. The unit shall be constructed to BS EN1886 standard and fully BSRIA tested for compliance to deflection rating class D1, leakage class L2 and thermal transmittance classes of T5 and TB5. Testing certificates shall be available on request.

C. The unit shall be supplied in multiple sections for transporting and site installation as indicated in the schedule and detail drawings. The unit shall be pre-drilled and 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 and detail drawings.

G. The unit shall have plain rectangular duct spigots as standard. Flanges shall be fitted as indicated in the schedule and detail drawings.

H. The unit casework shall incorporate high quality leak resistant EPDM memory retaining clip-on gaskets on service and access panels.

I. The unit casework shall be available with optional double-glazed inspection portholes supplied fitted as indicated in the schedule and detail drawings.

J. The case panels shall be fitted with inert mineral wool infill as standard. The panels shall be available with optional heavyweight plasterboard infill as indicated in the schedule and 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 and detail drawings.

L. Units shall have access as indicated in the schedule and 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.

M. Plantroom unit casework and spigots shall be supplied naturally finished in high quality galvanised steel as standard. Optional powdercoated colour as indicated in the schedule.

N. Weatherproof units shall be supplied powdercoated signal grey RAL7004 as standard. Alternative colour according to schedule.

O. The casework shall be available with internal epoxy powder coating suitable for coastal or corrosive environments as indicated in the schedule and detail drawings.

P. The unit shall be designed to be secured to a suitable base or support frame, ensuring the use of correct fixings for application and taking into account individual section and 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 and detail drawings.

B. The frame shall be 100mm high as standard, height as indicated in the schedule and 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 and exhaust discharge cowls/louvers where indicated in the schedule and detail drawings.

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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Product Code Guide

Max model

Product	Unit size	Construction	Type	Special
MAX	01	/A	/P	/S
	UP TO	/B	/W	
	50	/C	/FP	
		/D	/FW	
			/SP	
			/SW	

Product	Unit size	Case	Unit config
MAX	01 to 50	A=25mm B=50mm C=25mm customised D=50mm customised	/P=Plantroom /W=Weatherproof /FP=Flat plantroom /FW=Flat weatherproof /SP=Stacked plantroom /SW=Stacked weatherproof

Example codes
Plantroom MAX 12/B/P/S
Weatherproof MAX 24/A/SP/S