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Whilst the information given on this data sheet is fan specific, it is in summary and reference to the product selection catalogue and installation & maintenance documents is recommended.
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Technical Data

AVT-X - External Duct Mounted Twinfan

External Duct Mounted Twinfan

Fan Code: **AVT3-X**
 Installation Manual Links: 671590

Required Duty: 0.15 m³/s @ 150 Pa
 Actual Duty: 0.188 m³/s @ 236 Pa
 Actual at Required Flow: 0.15 m³/s @ 312 Pa

When Speed Controlled to Required Duty (79.8%):

Motor Input Power: 0.088 kW
Specific Fan Power: 0.6 W/(l/s)

Motor Input Power: 0.174 kW
 Specific Fan Power: 0.9 W/(l/s)

Nominal Fan Speed: 2,500 RPM
 Electrical Supply: 1 Phase
 Nominal Motor Rating: 0.17 kW
 Motor Current: flc: 1.35 A
 Motor Current: sc: 1.35 A

Max. Operating Temp.: 40°C

Acoustic performance to BS848 Part 2.2 and AMCA 300.

Breakout Noise (dBA): 32 dBA @ 3m

Breakout level is spherical. For hemi-spherical add 3 dBA.

Sound Power Levels re 1 pWatts (Hz):

Hz	63	125	250	500	1k	2k	4k	8k
Induct Inlet	77	73	78	65	60	55	49	47
Induct Outlet	81	76	77	72	66	64	54	54
Breakout	70	61	60	45	31	29	26	22

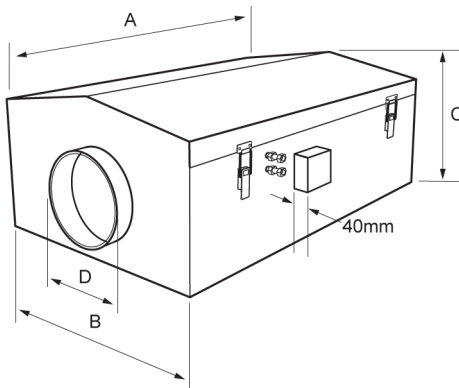
Above noise calculated speed controlled to required duty (79.8%)

For 100% Speed: +2 +2 +3 +4 +5 +5 +5 +5

Breakout Noise (dBA): +3

Values shown are for inlet Lw and outlet Lw sound power levels for: Installation Type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

Fan Dimensions



A	B	C	D	kg
1,120	716	393	250	58

The drawing is for dimensional purposes only. Dimensions in mm.

Project Details

Centre Point

Please See 13/14138

Location: CPW/FAN/04 - CPH Laundries & Lift Motor Room

Selected Ancillaries

2 x CFC25 Flexible connector
 1 x NAV2 Anti-vibration mounting kit

Specification

The AVT-X weatherproof, external inline unit shall be double skinned and manufactured from heavy gauge, corrosion resistant Aluzinc steel, internally coated with acoustic material to lid. A pitched roof with hinge facility provides access for maintenance and service. The fan should be with 'inline assembly', positioned in series for optimum performance. Run and standby fan assemblies to incorporate fan impeller and EC motors selected to provide the most energy efficient solution conforming to Part L regulations.

Units have EN60034-30 motors fitted with integral Hall effect sensor. Units suitable for operation in ambient temperatures of 40°C. Units are are class L2 leakage.

The twin fan shall be controlled by an integrated Ecosmart control panel mounted externally to the case. The fans shall have the following energy saving and operational functions integrally installed with in it, all components will be pre-wired and fitted by the manufacturer:

- Auto change-over on fan failure.
- Auto duty share every 12 hours of run time.
- Integral Frequency inverter/speed controller.
- Integral adjustable run-on timer.
- Maximum and minimum speed adjustment/setting (trickle and boost).
- Volt free run & failure/status indication.
- 0-10V BMS interface for remote operation.
- Low voltage interface with second fan or supply fan.
- Multiple low voltage sockets for interconnection of sensors or fans.
- Background ventilation/trickle enable switch.

Fan, Ecosmart controls and associated sensors/controllers shall be manufactured by Nuaire Ltd. The Fan unit shall have a 5 year warranty.

Performance Curve

Curve speed controlled to required duty (79.8%)

