

# Air Flow Solutions



## Commercial Fans

Offices, retail, leisure and education



# TRANQUILLITY



Maintaining a quiet commercial environment



## Commercial Fans

### Why Ventilate?

AIRFLOW'S extensive range of extract fans are not just for domestic dwellings. Their outstanding performance, ease of installation and aesthetic appeal ensures that they can efficiently complement virtually any installation and help comply with the Building Regulations for non-domestic installations.

Refer to the CIBSE guidelines for recommended air changes per hour in non-domestic installations

#### Aventa Silent

In-Line fans can be used in the ceiling void to ventilate areas that require a ducted application.

The perfect choice for ventilation where a ducted solution is required. As the fan is mounted in the ceiling void, noise levels are kept to a minimum in the room.

#### Aventa Turbo

In-Line fans which use centrifugal fan technology offering increased pressure performance for larger spaces and commercial applications. The noise level is not an issue as the fan is located in the ceiling void above the area being ventilated.

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product data and application advice

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# Aventa In-Line

Bathroom, en-suite, utility room and kitchen ventilation



## KEY FEATURES

- In-Line mixed flow fan
- Flow rate up to 520 m<sup>3</sup>/hr
- Designed for ducted installations
- High pressure, low noise
- Compact and quiet in operation
- Two speed (normal and boost)
- Adjustable overrun timer version
- Access to motor and impeller without dismantling ductwork
- Suitable for variable speed control
- Low Watt motor 30 W
- IPX4 rating
- Complies with Building Regulations
- 3 year warranty

## Aventa In-Line range

The Aventa range of in-line fans provides a quiet, powerful and compact remote duct mounted ventilation solution. Units are available in high performance two speed versions. Less bulky than larger in-line centrifugal fans means flexibility of installation. Remote loft space or service shaft location etc is easily achieved.

With high flow/high pressure development characteristics they can be used with flexible ducting and flat duct systems to ensure compliance with Building Regulations

guidance ensuring installed performance and extraction conditions are met.

Combining two Aventa fans allows for even more powerful operation. Mounting in parallel (left hand image on facing page) doubles the air flow, whilst two fans in series (right hand image on facing page) leads to a doubling of the air pressure for longer duct runs.



## MODELS

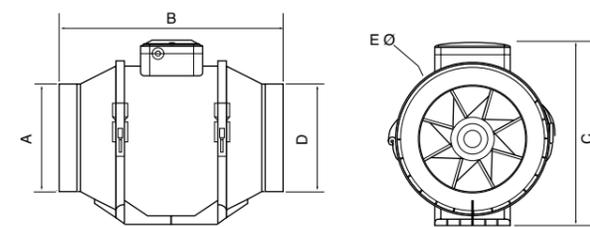
<b>Basic</b>	Basic remote switching
<b>Timer</b>	Adjustable timer overrun between 2 and 30 minutes



## TECHNICAL DATA

Specification	Aventa 150B	Aventa 150T
Air flow m <sup>3</sup> /hr	405 / 520	405 / 520
Air flow l/sec	112 / 144	112 / 144
Fan type	Mixed Flow	Mixed Flow
Controls	Basic	Timer
Mounting	In-Line	In-Line
Sound Pressure dB(A)@3 m	33 / 44	33 / 44
Power Watts	30 / 60	30 / 60
Amps	0.17 / 0.27	0.17 / 0.27
Building Regulations ADF	Yes	Yes
Duct diameter (mm)	150	150
Voltage	230 V / 1 ph / 50 Hz	230 V / 1 ph / 50 Hz
Rating	IPX4	IPX4
Material finish	ABS	ABS
Weight (kg)	2.65	2.65
Dimensions (H x W x D) mm	250 x 295 x 185	251 x 295 x 185
Part No.	9041089	9041090
Speed controller No.	9041565	9041565

## DIMENSIONS (mm)



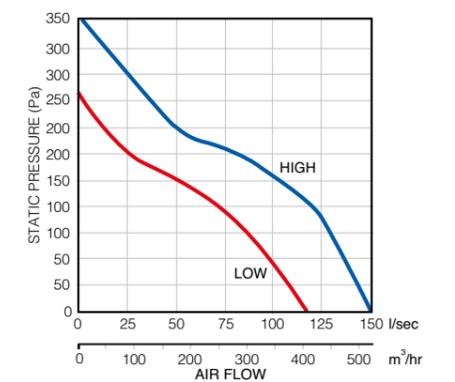
Model	A	B	C	D	E
AV150	146	295	250	146	223

Double the flow - mount in parallel

Double the pressure - mount in series



## PERFORMANCE



## CONTROLS AND ACCESSORIES

A range of accessories including flexible and rigid ducting kits, controls, switches and grilles are available.

See accessories for more details.



# Aventa Silent

Domestic and light commercial facilities



## KEY FEATURES

- In-Line mixed flow fan
- High performance characteristics - powerful air flow (up to 1020 m³/hr) and high pressure
- Sound insulated casing - ensures quiet operation
- Compatible with ducting 100 - 200 mm dia
- Suitable for variable speed control
- Energy efficient 2 speed motors
- IPX4 rating
- Complies with Building Regulations
- 2 year warranty

## Aventa Silent range

The durable external casing is made of polymer coated steel. The inner casing perforation lets sound waves pass through the holes and fall at a specific angle to the sound absorbing layer. The casing is internally heat and sound insulated with a 50 mm mineral layer and the conic impeller with special blade profiling increases air flow speed and provides higher pressure.

The diffuser, specially profiled impeller and directing vanes at the outlet from the fan casing distribute air flow in such a way as to attain the best combination of performance and pressure at low noise levels.

The fans can be mounted at any place or angle within the ductwork. Several fans can be installed in parallel in the same system to achieve a higher air capacity or in series to achieve higher pressure.

Recommended as a component of an air handling systems for commercial and industrial premises where noise levels need to be kept to a minimum, for example, libraries, conference rooms, educational institutions and crèches.



## MODELS

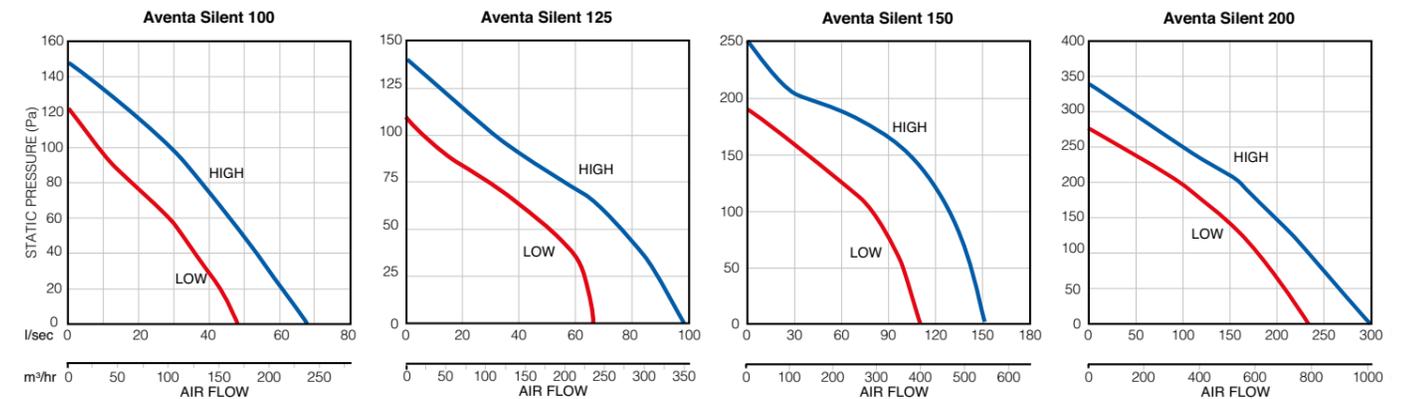
Basic Control by optional switch (switch not included)



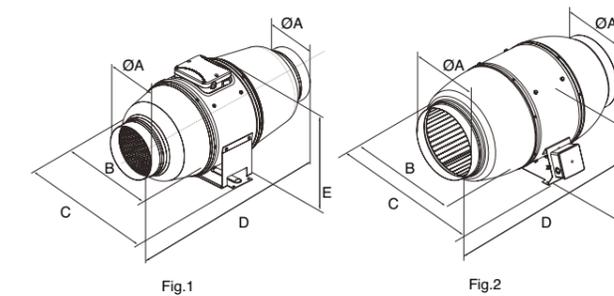
## TECHNICAL DATA

Specification	Aventa Silent AVS100	Aventa Silent AVS125	Aventa Silent AVS150	Aventa Silent AVS200
Air flow m³/hr	170 / 240	230 / 340	405 / 555	810 / 1020
Air flow l/sec	47 / 67	64 / 94	112 / 154	225 / 283
Fan type	Mixed Flow	Mixed Flow	Mixed Flow	Mixed Flow
Controls	Basic	Basic	Basic	Basic
Mounting	In-Line	In-Line	In-Line	In-Line
Sound Pressure dB(A)@3m	24 / 29	23 / 28	26 / 33	31 / 36
Power Watts	24 / 26	25 / 30	45 / 52	78 / 110
Amps	0.10 / 0.11	0.11 / 0.13	0.20 / 0.23	0.35 / 0.49
Building Regulations ADF	Yes	Yes	Yes	Yes
Duct diameter (mm)	100	125	150	200
Voltage	230 V / 1 ph / 50 Hz	230 V / 1 ph / 50 Hz	230 V / 1 ph / 50 Hz	230 V / 1ph / 50Hz
Rating	IPX4	IPX4	IPX4	IPX4
Material finish	Polymer Coated Steel	Polymer Coated Steel	Polymer Coated Steel	Polymer Coated Steel
Weight (kg)	4.6	4.6	6.1	8
Dimensions (H x W x D) mm	237 x 505 x 243	237 x 474 x 243	260 x 580 x 274	295 x 550 x 386
Part No.	90000358	90000359	90000360	90000361
Speed controller No.	9041565	9041565	9041565	9041565

## PERFORMANCE



## DIMENSIONS (mm)



## CONTROLS AND ACCESSORIES

A range of accessories including flexible and rigid ducting kits, controls, switches and grilles are available.

See accessories for more details.



# Aventa Turbo

Domestic and light commercial facilities



## KEY FEATURES

- In-Line centrifugal fan
- Flow rates up to 1325 m<sup>3</sup>/hr
- Designed for ventilation of medium and large size facilities
- Horizontal or vertical mounting
- Supply or extract air
- High strength plastic body
- Higher pressure capability for longer ducts
- External rotor motor with ball-bearings with thermal protection
- Complete with mounting bracket
- Balanced impeller
- Suitable for variable speed control
- IPX4 rating
- Complies with Building Regulations
- 3 year warranty

## Aventa Turbo

Highly reliable and powerful fan in a modular design for ease of installation and maintenance. The Aventa Turbo series are designed to provide ventilation levels that comply with the latest Building Regulations. Works particularly well against higher system pressure.

The extensive range of Aventa Turbo fans provide compact, quiet and powerful remote mounted ventilation for ducted installations. Fans can be mounted vertically, horizontally or at an inclined angle for versatility of installation.

Operated by basic switching (switch not supplied), these fans can be installed in loft spaces or service shafts for remote extraction with minimal room noise.



## MODELS

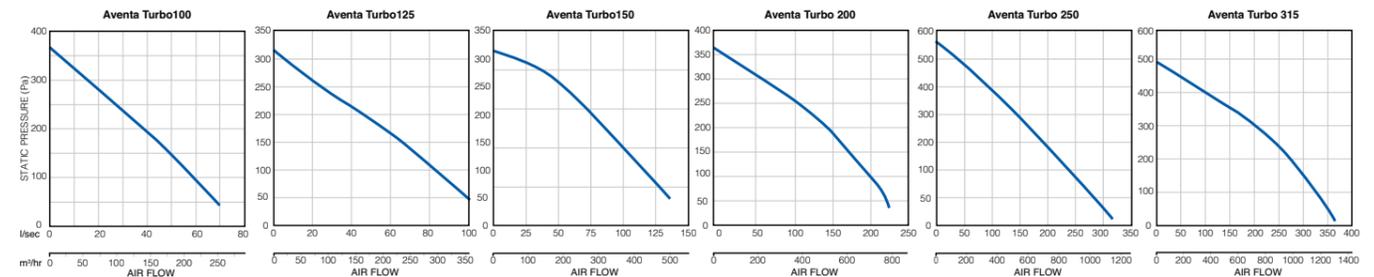
**Basic** Control by basic switching (switch not included)



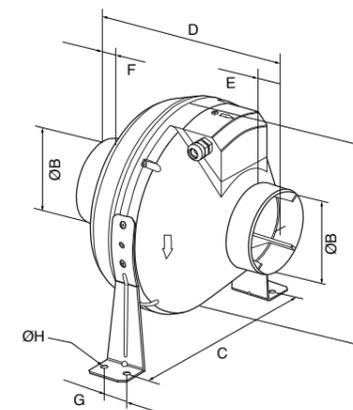
## TECHNICAL DATA

Specification	Aventa Turbo 100B	Aventa Turbo 125B	Aventa Turbo 150B	Aventa Turbo 200B	Aventa Turbo 250B	Aventa Turbo 315B
Air flow m <sup>3</sup> /hr / l/sec	250 / 69	355 / 98	460 / 127	780 / 216	1080 / 300	1340 / 372
Fan type	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal	Centrifugal
Controls	Basic	Basic	Basic	Basic	Basic	Basic
Mounting	In-Line	In-Line	In-Line	In-Line	In-Line	In-Line
Sound Pressure dB(A)@3m	46	46	46	48	50	50
Power Watts	80	79	80	107	173	200
Amps	0.34	0.34	0.35	0.47	0.76	0.88
Building Regulations ADF	Yes	Yes	Yes	Yes	Yes	Yes
Duct diameter (mm)	100	125	150	200	250	315
Voltage	230 V / 1 ph / 50 Hz	230 V / 1 ph / 50 Hz	230 V / 1 ph / 50 Hz	230 V / 1 ph / 50 Hz	230 V / 1 ph / 50 Hz	230 V / 1 ph / 50 Hz
Rating	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Material finish	Plastic	Plastic	Plastic	Plastic	Plastic	Plastic
Weight (kg)	2.15	2.2	2.4	3.0	4.3	4.8
Dimensions (H x W x D) mm	250 x 270 x 230	250 x 270 x 230	300 x 310 x 286	340 x 354 x 276	340 x 354 x 265	400 x 414 x 276
Part No.	9041360	9041361	9041362	9041363	9041364	9041365
Speed controller No.	9041565	9041565	9041565	9041569	9041569	9041569

## PERFORMANCE



## DIMENSIONS (mm)



Model	A	B	C	D	E	F	G	H	Dimensions
AVT 100B	250	100	270	230	30	27	30	6	250 x 270 x 230
AVT 125B	250	125	270	220	30	27	30	6	250 x 270 x 230
AVT 150B	300	150	310	286	30	30	30	6	300 x 310 x 286
AVT 200B	340	200	354	276	30	30	40	6	340 x 354 x 276
AVT 250B	340	250	354	265	30	30	40	6	340 x 354 x 265
AVT 315B	400	315	414	276	40	55	40	6	400 x 414 x 276

## CONTROLS AND ACCESSORIES

A range of accessories including flexible and rigid ducting kits, controls, switches and grilles are available.

See accessories for more details.



# Air Flow Solutions



## Always Innovating

Our constant search for new and better ways to save energy, improve the indoor environment and provide you with high quality, reliable and easy to use products that contribute to a low carbon future continues.

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