

VENTS LD Auto Series



Exhaust axial decorative fans with automatic louvre shutters with air capacity up to 345 m³/h

Applications

- Continuous or periodic exhaust ventilation of bathroom, showers, kitchens and other utility spaces.
- Ventilation shaft mounting or duct connection.
- Low to medium air flow motion for short distances at low air resistance.
- Compatible with Ø 100, 125 and 150 mm air ducts.



Fan off - louvre shutters CLOSED



Fan on - louvre shutters OPEN



LDA Auto



LDA Auto Chrome



LDA Auto Gold

Design

- Modern design and aesthetic look.
- The casing, impeller and front panel are made of high-quality and durable UV-resistant ABS plastic.
- Various decorative natural aluminium plates.
- The thermal actuator provides smooth opening and closing of the automatic louvre shutters that prevent air back drafting.
- The impeller design enhances the fan efficiency and prolongs the motor service life.
- Protection rating IP 24.

Motor

- Reliable motor with low energy demand
- Designed for continuous operation and requires no maintenance.
- Equipped with overheating protection.

Modifications and options



LD Auto L - the motor is equipped with ball bearings for long service life (appr. 40 thousand hours) and fan mounting at any angle. The bearings are maintenance-free and contain enough grease for the entire operating period.



LD Auto turbo - high-powered motor.



LD Auto press - 5-blade low-noise impeller with improved aerodynamics for higher fan capacity.



LD Auto 12 - equipped with a reliable low-voltage motor, 12 V.



LD Auto T - equipped with a turn-off delay timer adjustable from 2 to 30 minutes.



LD Auto TH - equipped with a turn-off delay timer adjustable from 2 to 30 minutes and a humidity sensor adjustable from 60% to 90%.



LD Auto V - equipped with a pull cord switch.



LD Auto VT - equipped with a pull cord switch and a turn-off delay timer adjustable from 2 to 30 minutes.



LD Auto VTH - equipped with a pull cord switch, turn-off delay timer adjustable from 2 to 30 minutes and a humidity sensor adjustable from 60% to 90%.

Control

Manual:

- The fan is controlled with a room light switch (not included into delivery set).
- The fan is controlled with a built-in pull cord switch "V". This option is not applicable for ceiling mounting.
- Speed control is possible through a thyristor speed controller (see Electrical Accessories). Several fans may be connected to the same controller. Speed controllers can not be connected to the fans with T, TH, TP, VT, VTH modification.

Automatic:

- Speed control with an electronic control unit **BU-1-60**, refer Electric accessories. The control unit is available upon separate order.
- Fan control with a turn-off delay timer "T" that enables fan running from 2 to 30 minutes after turning the fan off.
- Fan control with a humidity sensor and turn-off delay timer "TH" that enables fan switching on and running until the indoor humidity drops below the set point adjustable from 60% to 90% and subsequent fan running within the set time before turning off.

Mounting features

- The fan is mounted directly into the ventilation shaft.
- Flexible duct connection is recommended in case of the remote ventilation shaft location. The air duct is connected to the fan exhaust flange through a clamp.
- Fixing with screws.
- Suitable for ceiling mounting.
- The step-down transformer (TRF 220/12-25) enables connection of a low-voltage fan 12 V / 50 Hz to 220 V / 50 Hz power mains. Available upon separate order.

Accessories



Air ducts

Grilles and hoods

Back valves

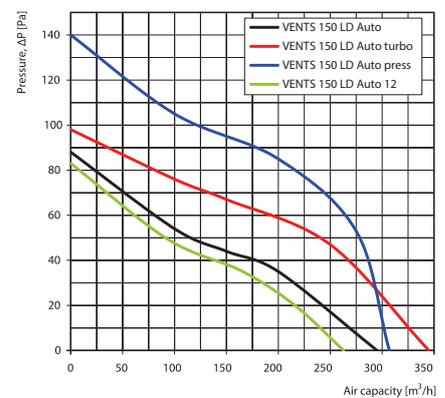
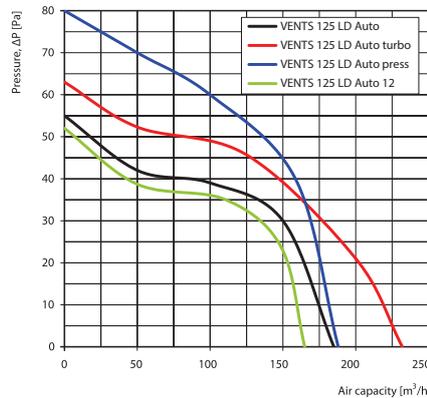
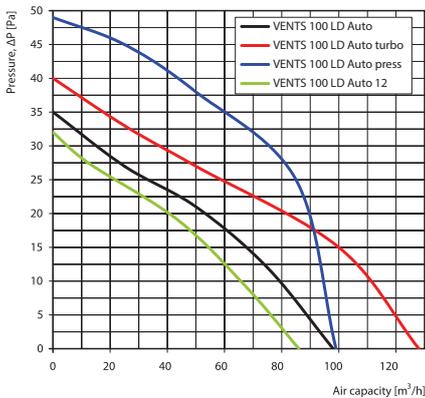
Speed controllers

Control unit

Transformer

Clamps

Aerodynamic characteristics



Technical data

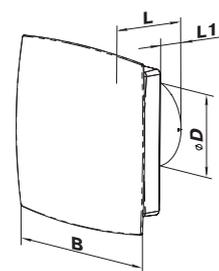
Model	Frequency [Hz]	Voltage [V]	Power Consumption [W]	Current [A]	R.p.m.	Maximum air capacity [m³/h]	Sound Pressure Level at 3 m [dB(A)]	Weight [kg]
VENTS 100 LD Auto	50/60	220-240	18	0,085	2300	98	34	0,73
VENTS 100 LD Auto turbo	50/60	220-240	20	0,1	2300	128	37	0,79
VENTS 100 LD Auto press	50/60	220-240	20	0,1	2300	99	37	0,73
VENTS 100 LD Auto 12	50/60	12	18	1,5	2200	86	33	0,72
VENTS 125 LD Auto	50/60	220-240	22	0,1	2400	185	35	0,83
VENTS 125 LD Auto turbo	50/60	220-240	29	0,13	2400	232	37	0,89
VENTS 125 LD Auto press	50/60	220-240	29	0,13	2400	188	39	0,83
VENTS 125 LD Auto 12	50/60	12	22	1,7	2300	165	34	0,82
VENTS 150 LD Auto	50	220-240	26	0,13	2400	295	39	1,14
VENTS 150 LD Auto (220-240 B/60 Hz)	60							
VENTS 150 LD Auto turbo	50	220-240	32	0,13	2400	345	41	1,2
VENTS 150 LD Auto turbo (220-240 B/60 Hz)	60							
VENTS 150 LD Auto press	50	220-240	32	0,14	2400	307	41	1,14
VENTS 150 LD Auto press (220-240 B/60 Hz)	60							
VENTS 150 LD Auto 12	50	12	29	2	2300	263	38	1,13
VENTS 150 LD Auto (12 B/60 Hz)	60							

Mounting example



Overall dimensions

Model	Dimensions [mm]			
	Ø D	B	L	L1
VENTS 100 LD Auto	99,5	205	110	60
VENTS 125 LD Auto	125	205	118	65
VENTS 150 LD Auto	150	240	137	81



Certificates

The fans meet the applicable safety and electromagnetic compatibility standards.