DUCTO

IN-LINE FANS

Brand new low noise axial inline fans for exhaust or supply ventilation with superior air flow up to 375 m³/h

Air flow:
up to 375 m³/h
104 l/s

Power:
from 4.5 W

SFP:
from 0.22 W/l/s

Noise level:
from 22 dBA



Features

- The casing and the impeller are made of high-quality durable plastic.
- Specially designed mixed-flow impeller profile ensures high air flow and low noise level.
- Protection rating IPX4.
- Low energy usage from 4.5 W.
- The models of **Blauberg Ducto** Series are equipped with a single-phase motor and are available in single- or two speed modifications.
- The motors have thermal overheating protection for motor overload prevention.
- Designed for PVC ducting systems or flexible ducts.
- From low to medium air flow motion for short distances at low air resistance.
- Compatible with ∅ 100, 125 and 150 mm air ducts.

Options

Ducto Plus – reliable single-phase two speed motor.
Ducto Power Plus – two-speed high-powered motor.
Ducto T – modification with a regulated timer with the operating time from 2 to 30 minutes.
Ducto W1 – modification with a power cord with IEC C14 electric plug.

Fixing bracket

Ducto-U – modification with a fixing bracket for flat surface mounting.



Ducto-U

Control

- Manual speed control with a room light switch. It is not included in the delivery package.
- Smooth speed control with a thyristor speed controller (see Electrical Accessories). Several fans may be connected to the same controller. The models with timer are not compatible with a speed controller.
- Automatic fan control with the electronic control unit MCD 60/0.3 (see Electrical Accessories). The control unit is supplied separately.
- Automatic fan control with the timer T (built-in turn-off delay timer enables the fan operation within 2 to 30 minutes after the fan switching off).

Operation modes of fans with timer

Updated automatic control for T modifications of models Ducto Plus 100, 125, 150 and Ducto Power Plus 150 enables to set one of four available operation modes. Changeover to another operation mode by means of by setting the DIP switch to a respective position.

- **Mode 1** (single-speed mode)
  The fan is turned off by default. The fan starts operating with the 1st speed when the switch is closed.
- **Mode 2** (single-speed mode)
  The fan is turned off by default. The fan starts operating with the 2nd speed when the switch is closed.
- **Mode 3** (two-speed mode)
  The fan operates with the 1st speed by default. The fan switches to the 2nd speed when the switch is closed.
- **Mode 4** (automatic interval mode)
  The fan operates at the 1st speed by default. Each set time (adjustable from 1 to 15 hours) the fan switches to the 2nd speed automatically and reverts back to 1st speed after 2 - 30 minutes operation with maximum capacity.

Designation key			
Ducto	**-U**	**Plus**	**125**
Model	Fixing bracket	Options	Spigot diameter

Accessories

Air disc valves	Duct system	Flexible air ducts	Grilles and hoods			Speed controllers		Clamps
								
VPR, VSR, VMR	BlauPlast	BlauFlex	Decor, GM			CDT E1.8	MCD 60/0.3	K, KZ

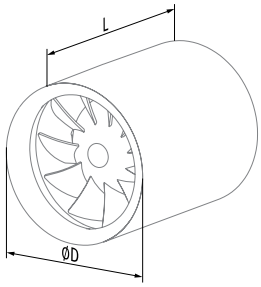
DUCTO

IN-LINE FANS

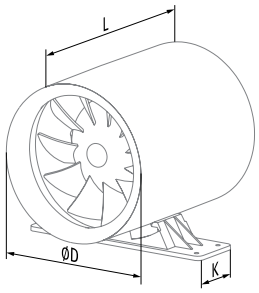
Overall dimensions and mounting

- The fan is mounted into a matching duct size. Fastening with clamps in case of flexible duct connection.
- The mounting bracket enables installation of the fan on horizontal and vertical flat surfaces (Ducto-U model).
- Two fans can be installed in series for higher operation pressure.

Dimensions [mm]	L	∅ D	K
Ducto 100	137.5	100	-
Ducto-U 100	137.5	100	53.5
Ducto 125	161.5	125	-
Ducto-U 125	161.5	125	53.5
Ducto 150	181.5	150	-
Ducto-U 150	181.5	150	53.5



Ducto



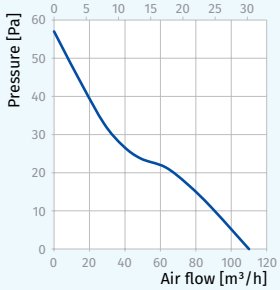
Ducto-U

Technical data

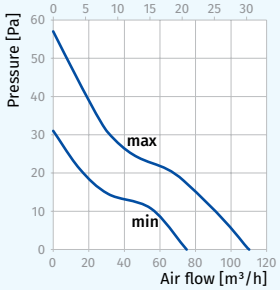
Model	Ducto 100	Ducto Plus 100		Ducto 125	Ducto Plus 125		Ducto 150	Ducto Plus 150		Ducto Power Plus 150	
Speed	-	min	max	-	min	max	-	min	max	min	max
Voltage [V/Hz]	220-240/50	220-240/50		220-240/50	220-240/50		220-240/50	220-240/50		220-240/50	
Power [W]	7.5	4.5	7.5	13	10	13	22	19	22	22	25
Current [A]	0.049	0.029	0.049	0.085	0.065	0.085	0.095	0.087	0.095	0.103	0.109
RPM [min⁻¹]	2100	1650	2100	2250	1950	2250	2250	1950	2250	2300	2600
Air flow [m³/h (l/s)]	110 (31)	75 (21)	110 (31)	215 (60)	155 (43)	215 (60)	340 (94)	250 (69)	340 (94)	285 (79)	375 (104)
SFP [W/l/s]	0.25	0.22	0.25	0.22	0.23	0.22	0.23	0.27	0.23	0.28	0.24
Sound pressure level [dBA]*	25	22	25	33	29	33	39	36	39	38	41
Weight [kg]	0.61	0.61	0.61	0.75	0.75	0.75	1.3	1.3	1.3	1.3	1.3

* Sound pressure level measured in free space at a distance of 3 meters from the fan.

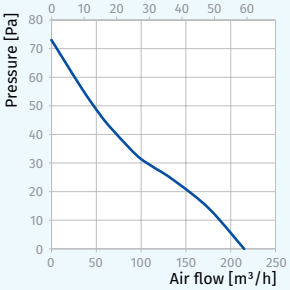
DUCTO 100



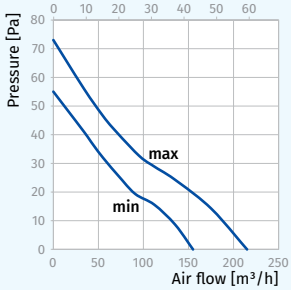
DUCTO PLUS 100



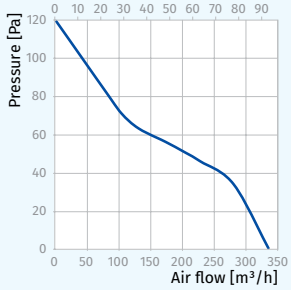
DUCTO 125



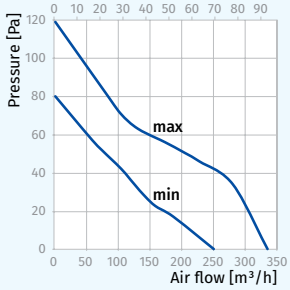
DUCTO PLUS 125



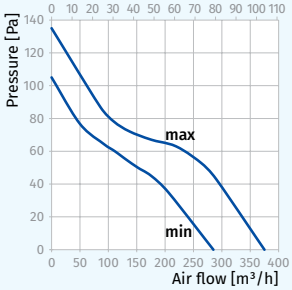
DUCTO 150



DUCTO PLUS 150



DUCTO POWER PLUS 150



IPX4