

Model	Ø A	B	Ø C
TB 10	96	97	55
TB 12	116	97	55
TB 15	147	113	55

TB

AXIAL DUCT FAN

- Axial duct fans to extract or intake air, also suitable to “boost” extraction/intake in existing system;
- Body and impeller made of polypropylene talc filled material;
- Retractable model for installation in ducts Ø 100 - 125 - 150 mm;
- Induction motor impedance protected on TB 10 and thermally protected on

- TB12 and TB15;
- Low power consumption and low sound level;
- IPX4 protected (EN 60529);
- In accordance with Standard EN 60335-2-80.



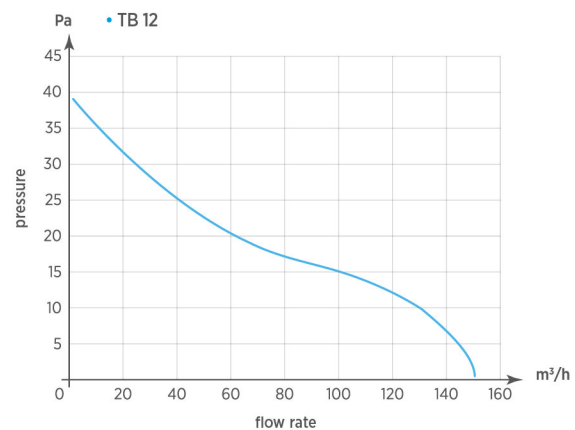
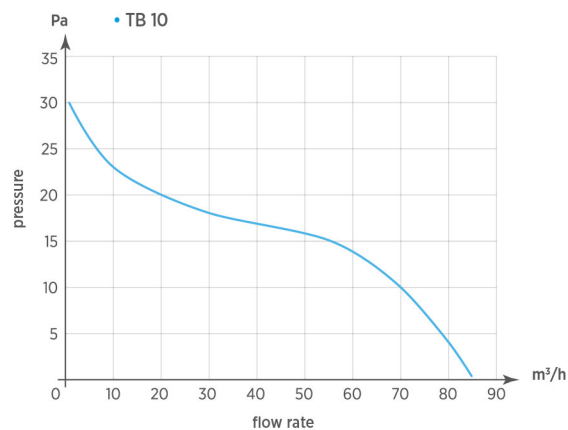
POSITIONING

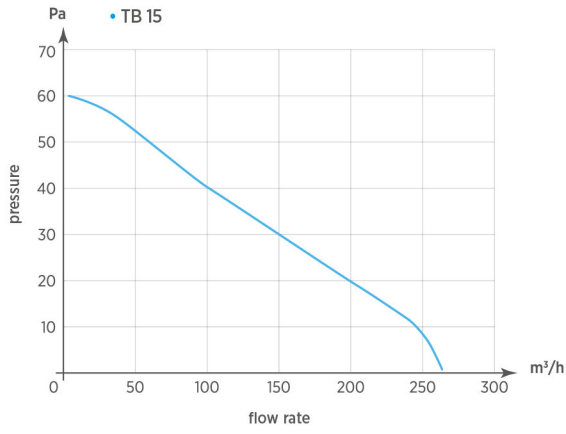
- Wall mounting

TECHNICAL DATA

Model	Code	Ø tube (mm)	Voltage (V)	Frequency (Hz)	Flow rate (m ³ /h)	Max press. (mm H ₂ O)	Max press. (Pa)	Power (W)	Noisiness dB(A) _{3m}	Weight (Kg)
TB 10	0018400	100	220-240	50	85	3,0	30	15	42	0,5
TB 12	0019400	120	220-240	50	150	4	39	15	43	0,6
TB 15	0019500	150	220-240	50	265	6,1	60	25	50	0,7

FLOW CHARTS





ACCESSORIES:
SEE PAGE 56



Grille



Shutter



Controller



Sensor



Timertronic



Timermatic

SELV VERSIONS

GUIDE FOR SAFE INSTALLATION

SELV (Safety Extra Low Voltage) versions can be installed in safety zones 1 and 2 in accordance with the IEC 364-7 where risk of electrical shock is high.

- 220÷240/12 V- transformer, in accordance with IEC 742 class II, IP22 protected with safety thermostat.
- The very low power voltage of SELV 12V fans, in combination of a dedicated transformer supplied with the appliance, allows the installation even in proximity of the bathtub or the shower, because the eventual direct contact with the fan does not pose any threat of electrical danger.
- The transformer can be even installed in zone 3.

IEC 364-7 standard, Part 7 contains a section dedicated to “Premises containing a bathtub or shower basin” where stated “the risk of electrical shock is increased by a reduction in body resistance and contact of the body with earth potential”. In order to avoid such high risk the standard classifies different zones inside the room and for each one it prescribes different installation limits of electrical components. The standard describes the different zones as follows:

- Zone 0: inside the bathtub or shower basin.
- Zone 1: is limited by the vertical plane circumscribing the bathtub or shower basin, by the floor and the horizontal plane 2,25 m above the floor.
- Zone 2: is limited by the vertical plane external to Zone 1 and the parallel vertical plane 0,60 m. external to Zone 1, by floor and the horizontal plane 2,25 m. above the floor.
- Zone 3: is limited by the vertical plane external to Zone 2 and the parallel vertical plane 2,40 m. external to Zone 2, by floor and the horizontal plane 2,25 m. above the floor.

For each zone the standard makes a list of the prescriptions for the electrical equipment that may be or may not be installed as follows:

- In zone 0, only electrical appliances specially intended for use in a bathtub are permitted.
- In zone 1, only water heaters or SELV type appliances (Safety Extra Low Voltage) may be installed.
- In zone 2, only water heaters, and Class II luminaires or SELV type appliances may be installed.
- In zone 3, there are no limits for installation of electrical equipment, but anyway the eventual “ Switchgear and Controlgear” must be as follows: supplied individually by an isolating transformer, supplied by SELV, protected by a residual current protective device with a residual operating current not exceeding 0,03 A.

Hence, in zone 1 or 2 or 3 only a 12 V SELV fan should be installed.

