

INLINE MIXED-FLOW FANS

VENTS TT PRO

VENTS TT



2013

Fresh air in
your house!

Series
VENTS TT PRO



Inline mixed-flow fans with the air capacity up to **2050 m³/h**

■ **Application**

The **VENTS TT** and **VENTS TT PRO** fans are featured with wide capabilities and high performance of axial and centrifugal fans and are specifically designed for supply and exhaust ventilation of premises requiring high pressure, powerful air flow and low noise level. The fans are compatible with round air ducts from Ø 100 to 315 mm. Exhaust ventilation systems based on the **VENTS TT** fans are the best solution for ventilation of bathrooms and kitchens and other humid premises as well for ventilation of flats, cottages, shops, cafes, etc.

■ **Design**

The fan casing is made of high quality and durable materials: ABS plastic for the **VENTS TT** series or low-flammable polypropylene for the **VENTS TT PRO** series.

Series
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Inline mixed-flow fans with the air capacity up to **1850 m³/h**

The removable impeller and motor block with a terminal box is fixed to the casing assembled with the



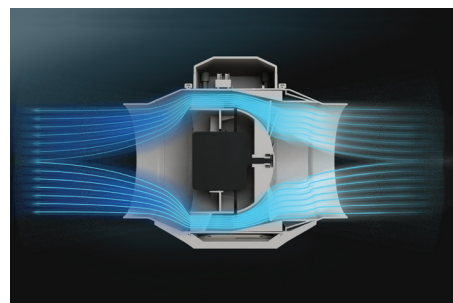
spigots by means of special clamps with latches. This makes the fan maintenance fast and easy. The fan maintenance does not require total disassembling. Just pull out the central block from the casing and

perform required servicing. All the models may be equipped with a regulated timer with turn-off delay adjustable from 2 to 30 min.

■ **TT PRO design features:**

The inlet spigot is equipped with a collector to enable smooth air inlet to the fan. The hemispheric impeller shape and specially profiled blades increase the air flow circular velocity and provide higher pressure and capacity as compared to standard axial fans.

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



■ **Motor**

The models of **VENTS TT** series are equipped with a single-phase motor and are available in single- or two-speed modifications. Some dimension types are available with a more powerful motor (**VENTS TT...S**). The models of **VENTS TT PRO** series are equipped with single-phased double-speed motors with low energy demand.

The motors have thermal overheating protection to prevent the motor overload. The ball bearings extend the motor service life up to 40 000 hrs. at non-stop operation. The motor has IP X4 ingress protection rating.

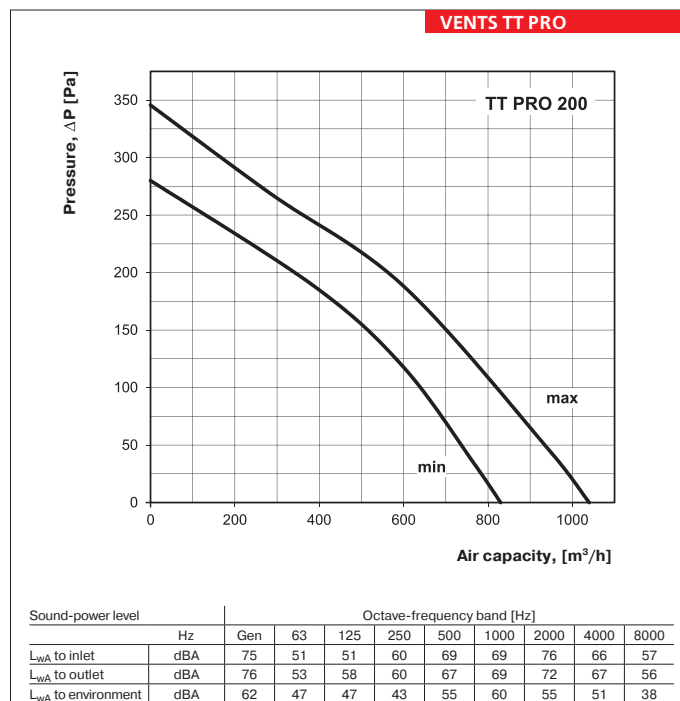
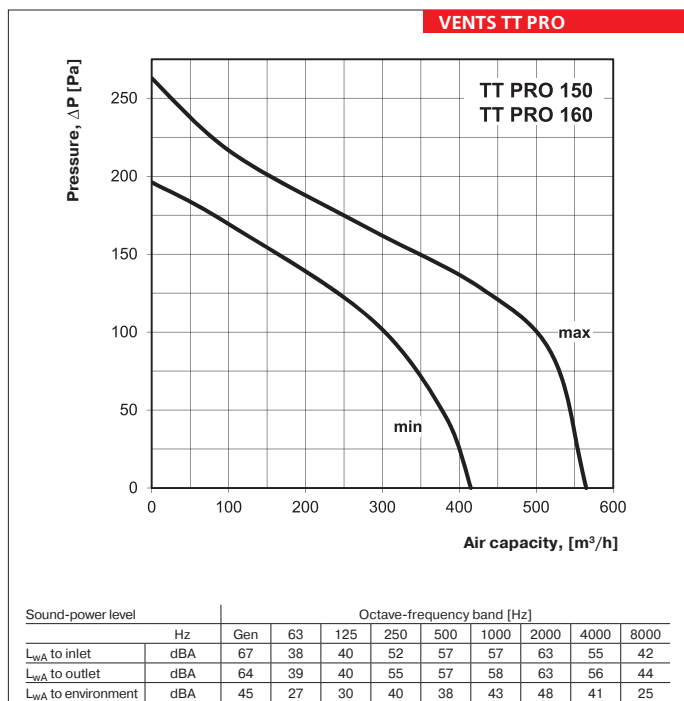
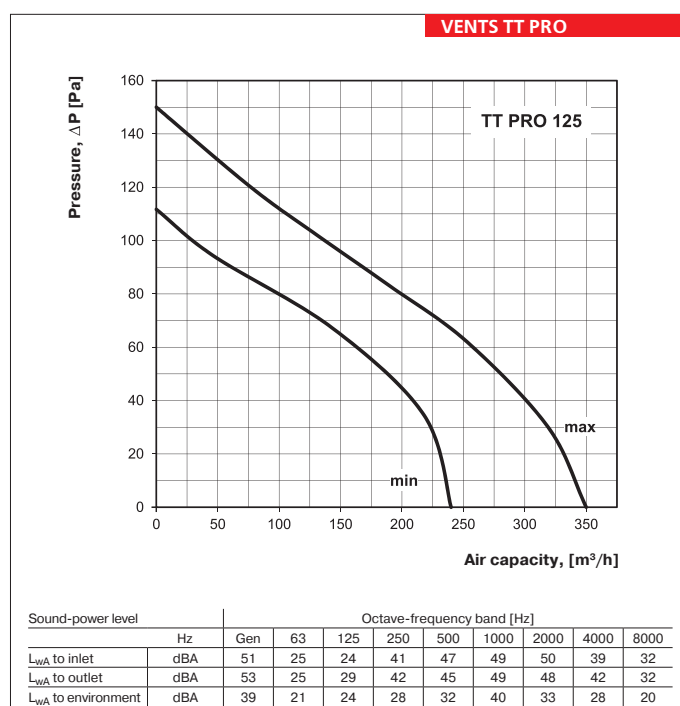
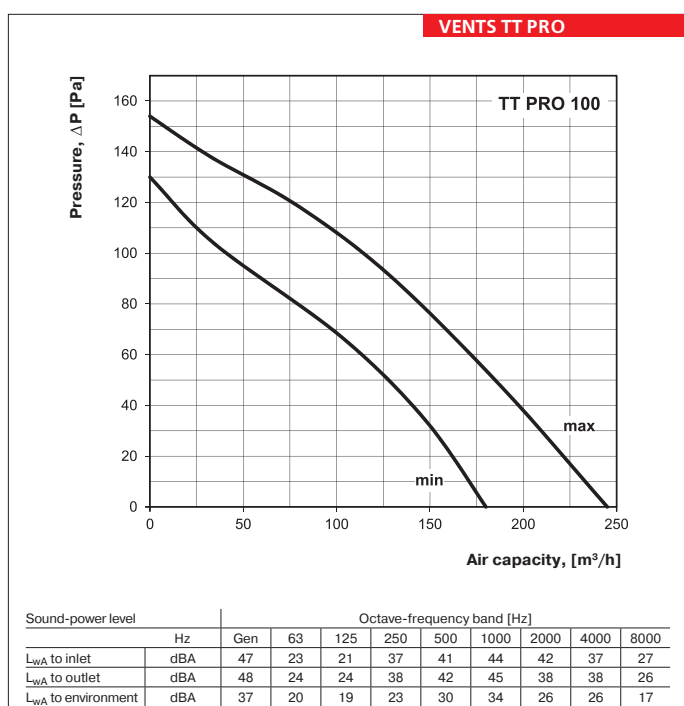
Designation key:

Series	Air duct diameter	Options
VENTS TT PRO VENTS TT	100; 125; 150; 160; 200; 250; 315	<p>S – high-powered motor; T – timer; U – electronic module with temperature-based operating logic and the temperature sensor integrated into the air duct; Un – electronic module with temperature-based operating logic and the external temperature sensor; U1 – electronic module with timer-based operating logic and the temperature sensor integrated into the air duct; U1n – electronic module with timer-based operating logic and the external temperature sensor; P – power cord with a plug; V – three-position switch; P – built-in speed controller.</p>

FANS FOR ROUND DUCTS

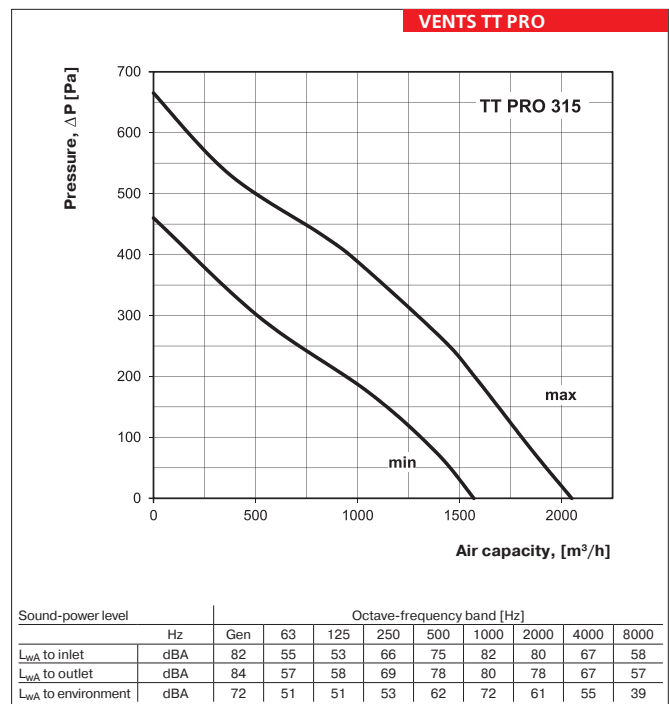
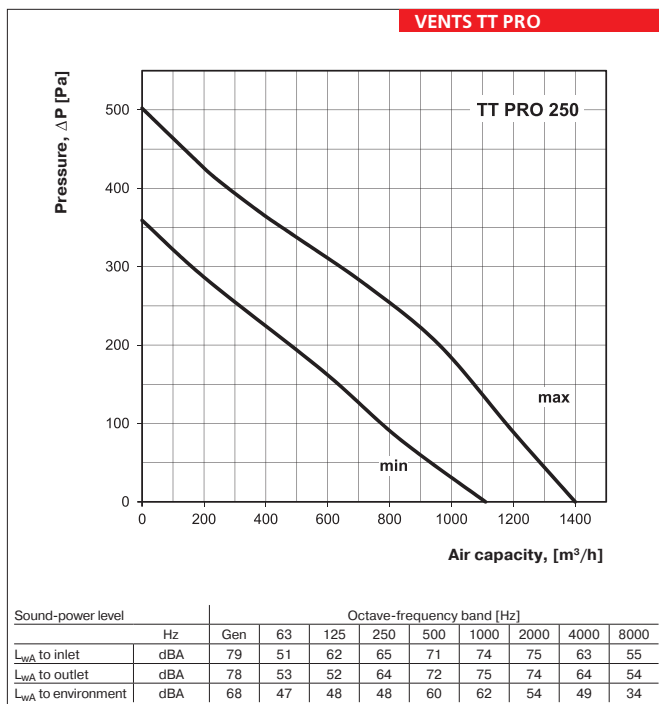
Technical data:

	TT PRO 100		TT PRO 125		TT PRO 150 / TT PRO 160	
Speed	min	max	min	max	min	max
Voltage [V / 50 / 60 Hz]	1~ 230		1~ 230		1~ 230	
Power [W]	23	25	25	30	42	50
Current [A]	0,10	0,11	0,11	0,13	0,19	0,22
Maximum air flow [m³/h]	180	245	240	350	415	565
RPM [min ⁻¹]	2050	2620	1630	2300	1940	2620
Noise level at 3 m [dBA]	27	32	29	34	37	46
Maximum operating temperature [°C]	60		60		60	
Protection rating	IP X4		IP X4		IP X4	



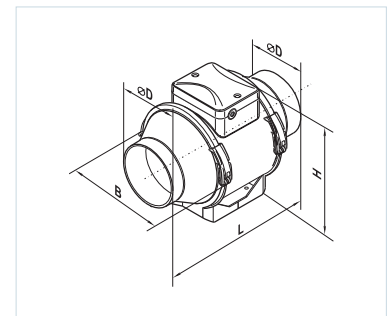
Technical data:

	TT PRO 200		TT PRO 250		TT PRO 315	
Speed	min	max	min	max	min	max
Voltage [V / 50 / 60 Hz]	1~ 230		1~ 230		1~ 230	
Power [W]	76	108	125	177	230	320
Current [A]	0,34	0,48	0,54	0,79	1,0	1,42
Maximum air flow [m³/h]	830	1040	1110	1400	1570	2050
RPM [min ⁻¹]	1915	2380	1955	2440	1890	2430
Noise level at 3 m [dBA]	45	52	47	55	49	58
Maximum operating temperature [°C]	60		60		60	
Protection rating	IP X4		IP X4		IP X4	



Fan overall dimensions:

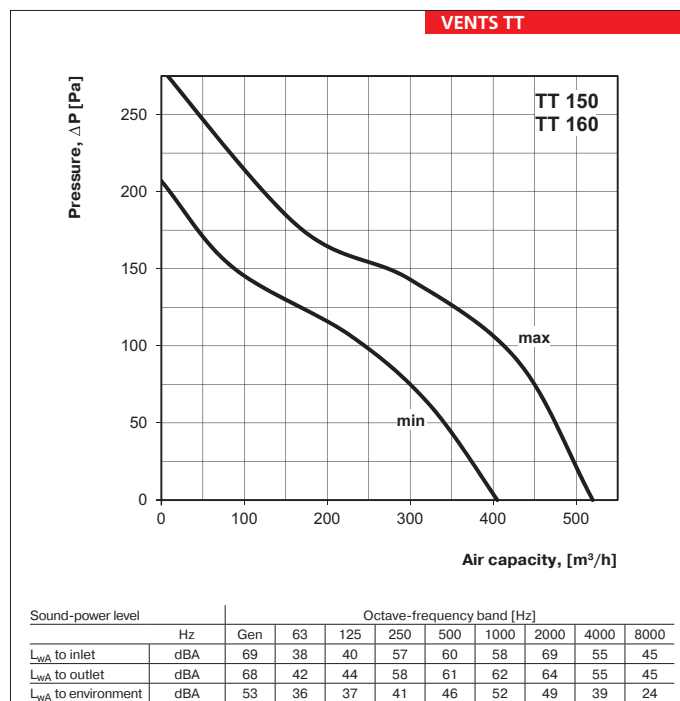
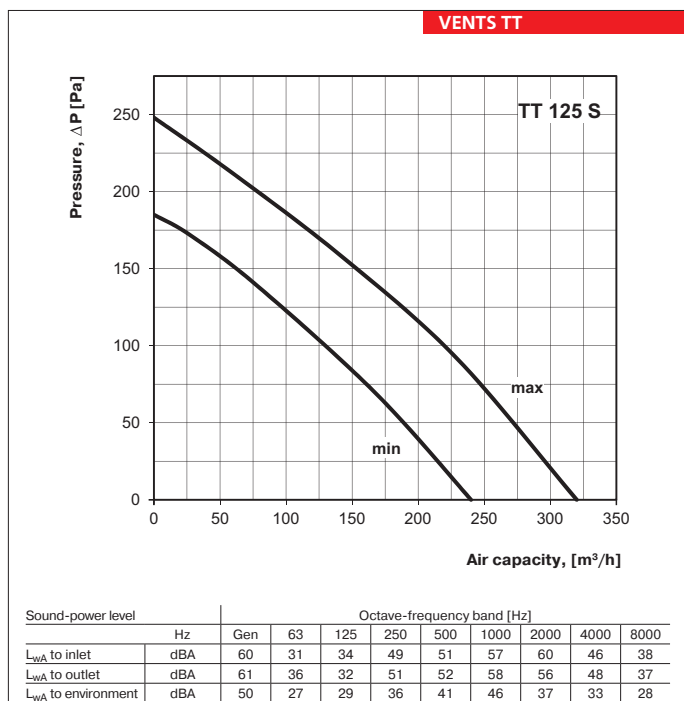
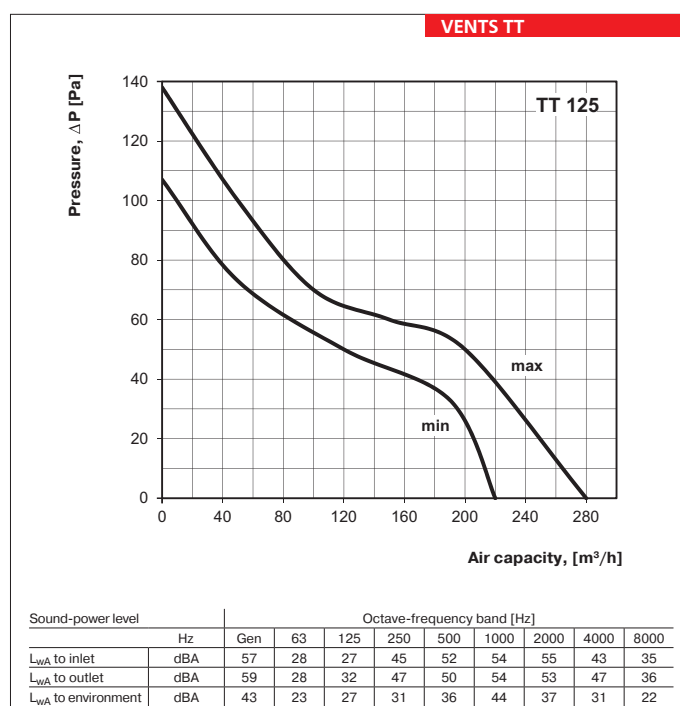
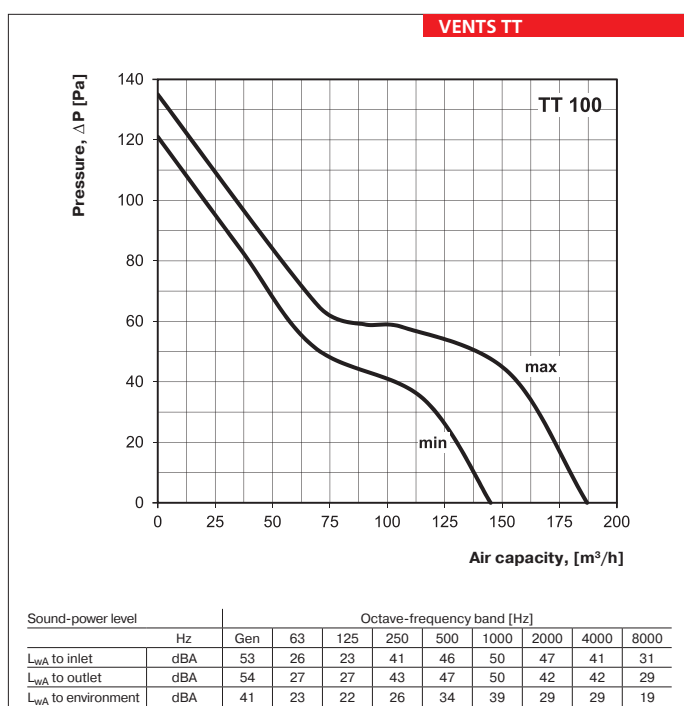
Type	Dimensions [mm]				Mass [kg]
	∅D	B	H	L	
TT PRO 100	97	195,8	226	302,5	1,54
TT PRO 125	123	195,6	226	258,5	1,51
TT PRO 150	148	220,1	247	289	2,1
TT PRO 160	158	220,1	247	289	2,2
TT PRO 200	199	239	261	295,5	6,4
TT PRO 250	247	287	323	383	8,3
TT PRO 315	310	362	408	445	11,4



FANS FOR ROUND DUCTS

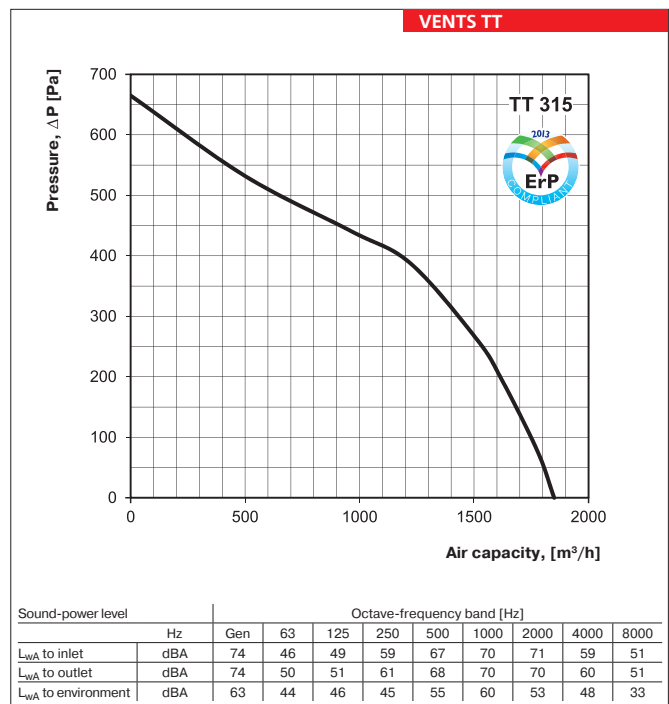
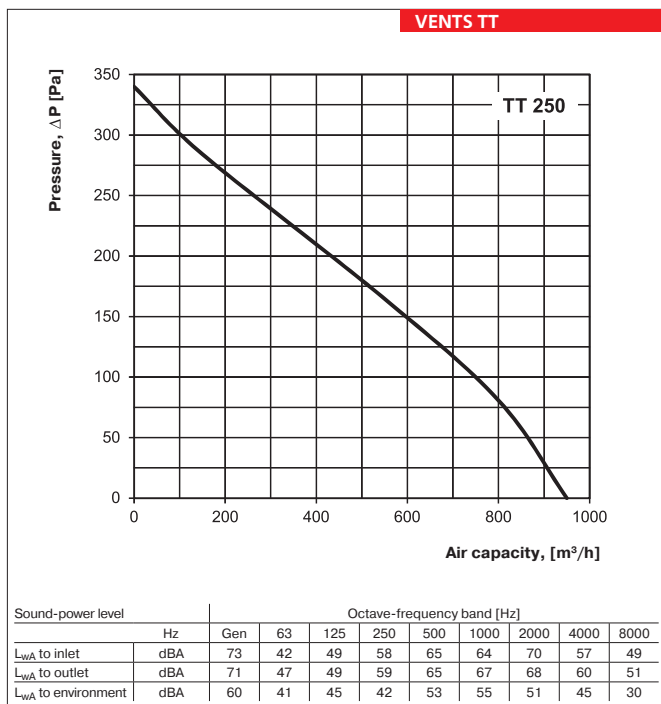
Technical data:

	TT 100		TT 125		TT 125 S	
Speed	min	max	min	max	min	max
Voltage [V / 50 / 60 Hz]	1~ 230		1~ 230		1~ 230	
Power [W]	21	33	23	37	28	54
Current [A]	0,11	0,21	0,18	0,27	0,12	0,16
Maximum air flow [m³/h]	145	187	220	280	240	320
RPM [min ⁻¹]	2180	2385	1950	2455	1850	2510
Noise level at 3 m [dBA]	27	36	28	37	31	42
Maximum operating temperature [°C]	60		60		60	
Protection rating	IP X4		IP X4		IP X4	



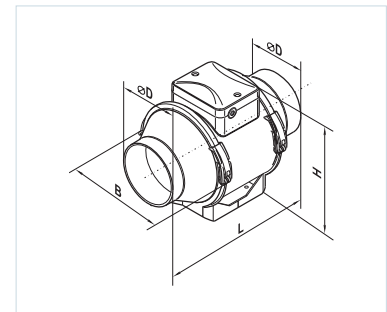
Technical data:

	TT 150 / TT 160		TT 250	TT 315
Speed	min	max	-	-
Voltage [V / 50 / 60 Hz]	1~ 230		1~ 230	1~ 230
Power [W]	30	60	120	314
Current [A]	0,17	0,27	0,52	1,42
Maximum air flow [m³/h]	405	520	950	1850
RPM [min ⁻¹]	1680	2460	1840	2335
Noise level at 3 m [dBA]	33	44	45	48
Maximum operating temperature [°C]	60		60	60
Protection rating	IP X4		IP X4	IP X4



Fan overall dimensions:

Type	Dimensions [mm]				Mass [kg]
	∅D	B	H	L	
TT 100	96	167	190	246	1,4
TT 125	123	167	190	246	1,4
TT 125 S	123	223	250	295	3,0
TT 150	146	223	250	295	3,0
TT 160	158	233	250	295	3,0
TT 250	247	287	323	383	6,9
TT 315	310	362	408	445	10,4



ventilation systems

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VENTS TT PRO / VENTS TT



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