

TURBO SERIES

Inline Type Mixed-Flow Fans



Air flow:
up to 1750m³/h
486l/s



Power:
from 23 W



Noise level:
from 27 dBA



Use

Supply and extract ventilation systems installed in various premises. Mounting in kitchens, bathrooms and other humid premises. Ventilation air ducts requiring high pressure, powerful air flow and low noise level. Compatible with Ø 100 up to 315 mm round air ducts.

Design

Casing made of low-flammable polypropylene. Ventilation unit with terminal box. Can be turned to any position. Special design of the casing permits easy dismantling of the impeller and motor block for fan servicing without dismantling the air duct.

Motor

Double-speed single-phase motor on ball bearings. Equipped with thermal overload protection.

Speed control

The built-in switch (option US) or external switch for multi-speed fans (available upon separate order) are used to select one of two capacity modes. Smooth speed control is possible with a built-in speed controller (option FR) or an external thyristor speed controller (available upon separate order).

Mounting

Due to compact design the fan is the ideal solution for mounting in limited spaces, including space behind a false ceiling. The fan can be installed in any section of the ventilation system from intake to the end of the ductworks. Wall or ceiling mounting with a mounting plate. TD: mounting kit for installation of one diameter fans in parallel (for boosting capacity)



TL: mounting kit for installation of one diameter fans in series (for boosting pressure).

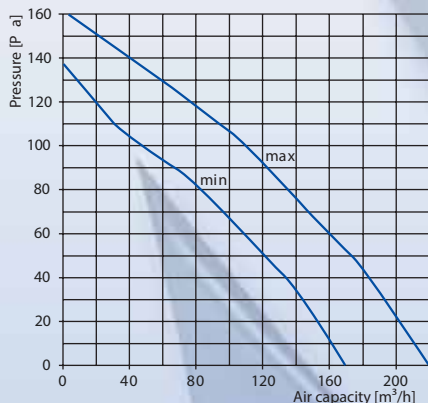


Technical data

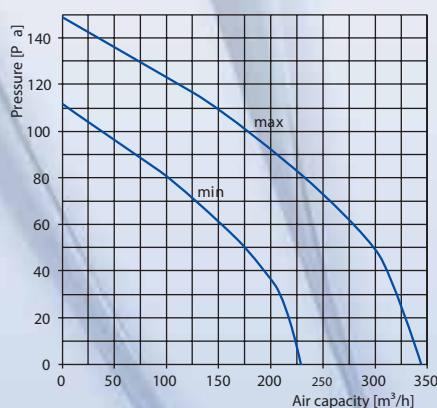
Parameters	Turbo 100		Turbo 125		Turbo 150 / Turbo 160	
	min	max	min	max	min	max
Speed						
Voltage [V / 50-60 Hz]	1 ~ 230	1 ~ 230	1 ~ 230	1 ~ 230	1 ~ 230	1 ~ 230
Power [W]	23	25	25	29	42	50
Current [A]	0.10	0.11	0.11	0.13	0.19	0.22
Maximum air flow [m ³ /h (l/s)]	170 (47)	220 (61)	230 (64)	345 (96)	430 (119)	560 (156)
RPM [min ⁻¹]	1980	2545	1535	2265	1940	2620
Sound pressure level at 3 m [dBA]	27	32	29	34	32	44
Max. transported air temperature [°C]	60		60		60	
SEC class	C		B		B	
Ingress protection rating	IPX4		IPX4		IPX4	
Motor IP rating	IPX4		IPX4		IPX4	
ErP	-		-		2016, 2018	

Parameters	Turbo 200		Turbo 250		Turbo 315	
	min	max	min	max	min	max
Speed						
Voltage [V / 50-60 Hz]	1 ~ 230	1 ~ 230	1 ~ 230	1 ~ 230	1 ~ 230	1 ~ 230
Power [W]	76	108	125	177	227	315
Current [A]	0.34	0.48	0.54	0.79	0.99	1.42
Maximum air flow [m ³ /h (l/s)]	805 (224)	1080 (300)	1070 (297)	1360 (378)	1420 (394)	1750 (486)
RPM [min ⁻¹]	1915	2380	1955	2440	2115	2505
Sound pressure level at 3 m [dBA]	39	45	44	51	41	52
Max. transported air temperature [°C]	60		60		60	
SEC class	B		-		-	
Ingress protection rating	IPX4		IPX4		IPX4	
Motor IP rating	IPX4		IPX4		IPX4	
ErP	2016, 2018		2016, 2018		2016, 2018	

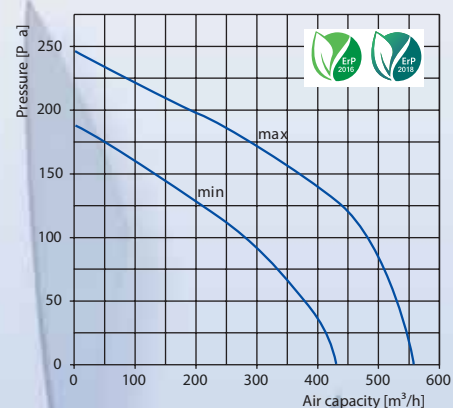
TURBO 100



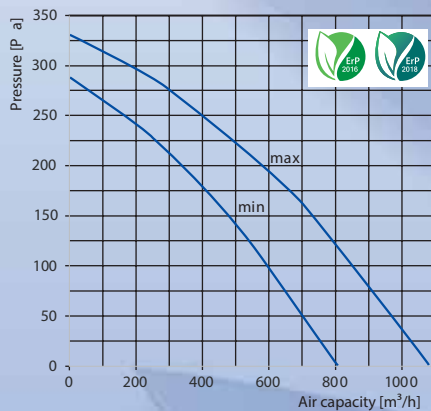
TURBO 125



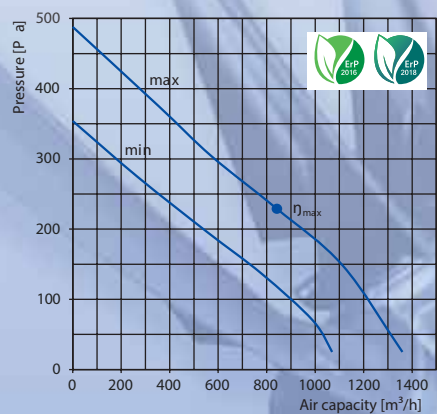
TURBO 150 / 160



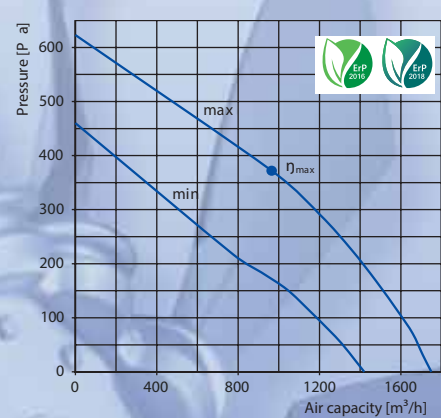
TURBO 200



TURBO 250



TURBO 315



Overall dimensions [mm]

Model	ØD	ØD1	B	H	L	Weight [kg]
Turbo 100	97	164	196	241	303	1.68
Turbo 125	123	164	196	241	258	1.79
Turbo 150	148	187	220	251	289	3.18
Turbo 160	158	187	220	251	289	3.23
Turbo 200	199	209	239	261	295.5	3.8
Turbo 250	247	257	287	323	383	7.83
Turbo 315	310	323	362	408	445	11.7

