

Centrifugal roof fans

Tower-AM

Air capacity – up to 1880 m³/h



Use

- Exhaust ventilation systems installed in various premises.
- Roof mounting.
- For any types of roofs or vertical ventilation shafts.
- Compatible with Ø 150 up to 315 mm round air ducts.

Design

- KSteel casing with a special polymer atmospheric resistant coating.
- Horizontal air exhaust.
- The fan is rated for continuous operation.
- A connecting plate is designed to facilitate the fan mounting to the roof surface.

Motor

- Single-phase external rotor motor and centrifugal impeller with backward curved blades.
- Dynamically balanced turbine.
- Equipped with ball bearings for longer service life.
- Overheating protection with built-in thermal switches with automatic restart.

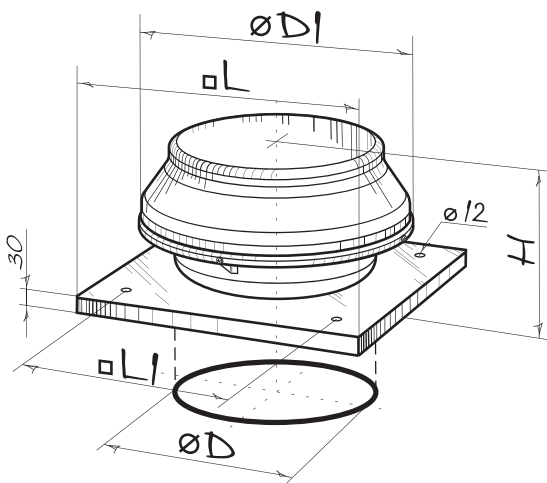
Speed control

- Smooth or step speed control with an external thyristor controller or an external auto transformer (both available upon separate order).

Mounting





- Roof mounting directly above a ventilation shaft or air duct.
- The fan is connected to the air duct with the intake flange that is fixed to the fan base.
- The fan base is perforated for fixing bolts that attach the fan to a stable level surface or a roof frame.
- Roof frame, intake flange and fixing bolts are available on separate order.
- Power is supplied through an external terminal box.

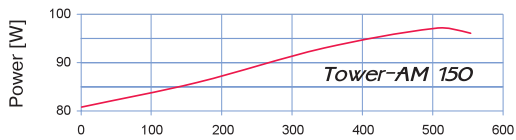
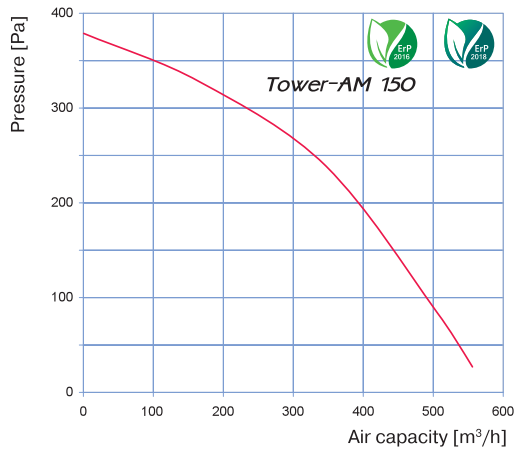
Overall dimensions



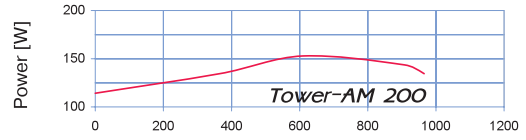
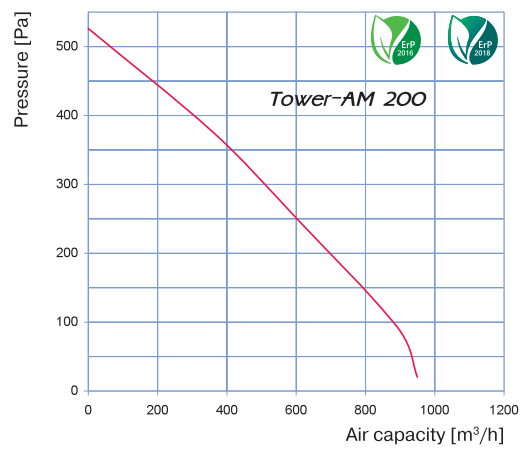
Type	Dimensions [mm]					Weight [kg]
	ØD	ØD1	H	L	L1	
Tower-AM 150	149	400	230	440	330	7.2
Tower-AM 200	198	400	250	440	330	8.1
Tower-AM 250	248	400	249	590	450	10.1
Tower-AM 315	315	550	339	590	450	12.3

Specifications

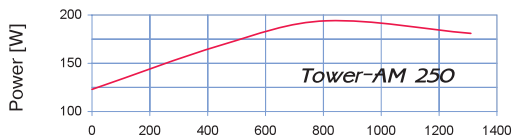
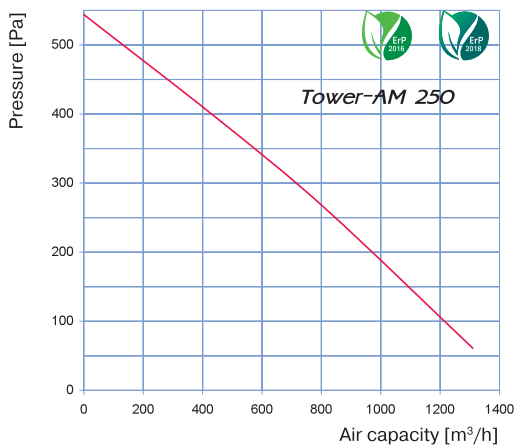
Parameters	Tower-AM 150 	Tower-AM 200 	Tower-AM 250 	Tower-AM 315 
Voltage [V / 50 Hz]	230	230	230	230
Power [W]	98	154	194	296
Current [A]	0.43	0.67	0.85	1.34
Maximum air capacity [m ³ /h]	555	950	1310	1880
RPM [min ⁻¹]	2705	2375	2790	2720
Sound pressure level at 3 m distance [dBA]	47	48	52	54
Max. operating temperature [°C]	-25 +55	-25 +50	-25 +50	-25 +45
SEC class	B		-	-
Ingress protection rating	IPX4	IPX4	IPX4	IPX4



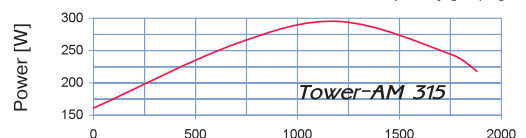
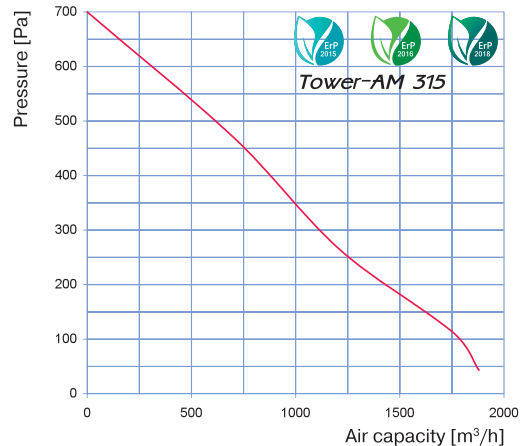
Sound-power level	Octave-frequency band [Hz]								
	Gen	63	125	250	500	1000	2000	4000	8000
L _{WA} to inlet, [dBA]	71	45	65	64	63	61	60	48	39
L _{WA} to environment, [dBA]	64	39	59	55	37	20	17	26	20



Sound-power level	Octave-frequency band [Hz]								
	Gen	63	125	250	500	1000	2000	4000	8000
L _{WA} to inlet, [dBA]	77	49	69	67	72	65	61	58	50
L _{WA} to environment, [dBA]	64	45	63	61	48	31	25	47	41



Sound-power level	Octave-frequency band [Hz]								
	Gen	63	125	250	500	1000	2000	4000	8000
L _{WA} to inlet, [dBA]	72	58	65	66	69	66	62	53	47
L _{WA} to environment, [dBA]	65	57	64	60	49	39	39	44	40



Sound-power level	Octave-frequency band [Hz]								
	Gen	63	125	250	500	1000	2000	4000	8000
L _{WA} to inlet, [dBA]	77	55	67	68	72	68	66	62	60
L _{WA} to environment, [dBA]	68	52	64	63	55	47	52	57	50