



Axial roof fans

Tower-A

Air capacity – up to 2500 m³/h



■ Use

- Exhaust ventilation systems installed in various premises.
- Roof mounting.
- For any types of roofs or vertical ventilation shafts.

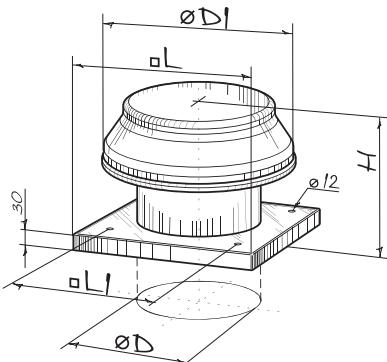
■ Design

- Steel casing and impeller with a special polymer atmospheric resistant coating.
- Horizontal air exhaust.
- The fan is equipped with a terminal block for connection to power mains.
- The fan is rated for continuous operation.
- A connecting plate with an intake opening is designed to facilitate mounting to the roof surface.

■ Motor

- Two- or four-pole asynchronous motor with external rotor and axial impeller.
- Single-phase (**E**) motor modification.
- Equipped with ball bearings for longer service life.
- Overheating protection by built-in thermal switches with automatic restart.

■ Overall dimensions



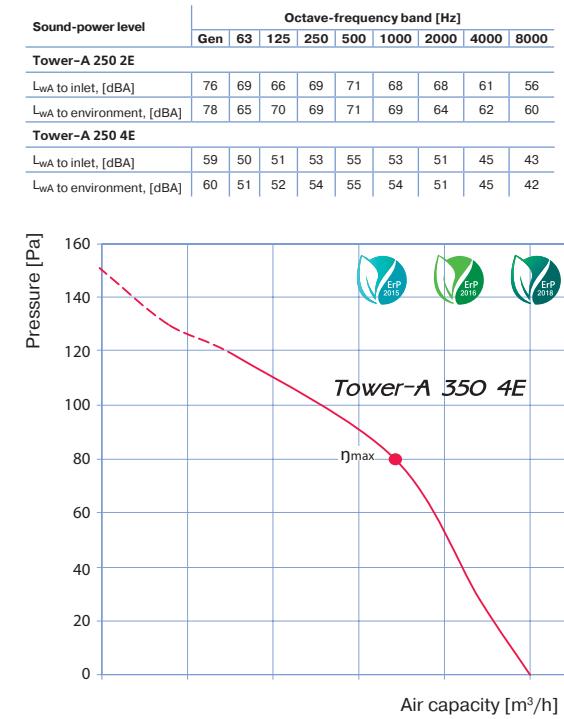
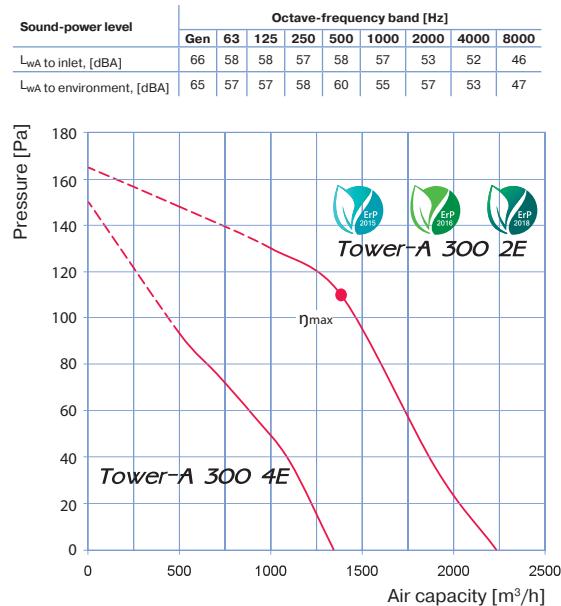
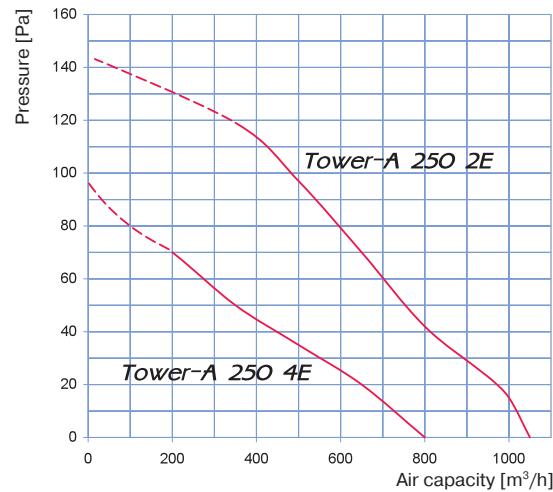
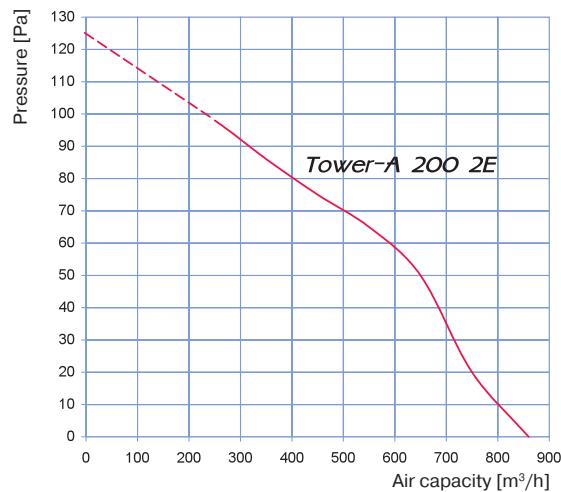
Type	Dimensions [mm]					Weight [kg]
	ØD	ØD1	H	L	L1	
Tower-A 200 2E	208	345	250	425	330	4.5
Tower-A 250 2E	262	405	280	425	330	7.0
Tower-A 250 4E	262	405	280	425	330	7.0
Tower-A 300 2E	314	555	340	585	450	10.5
Tower-A 300 4E	314	555	340	585	450	10.5
Tower-A 350 4E	364	555	350	655	535	12.0

ErP data	
Overall efficiency	η, (%)
Measurement category	MC
Efficiency category	EC
Efficiency grade	N
Variable speed drive	VSD
Power	[kW]
Current	[A]
Air flow	[m ³ /h]
Static pressure	[Pa]
Speed	[n/min ⁻¹]
Specific ratio	SR

■ Specifications

Parameters	Tower-A 200 2E*	Tower-A 250 2E*	Tower-A 250 4E*	Tower-A 300 2E	Tower-A 300 4E*	Tower-A 350 4E
Voltage [V / 50 Hz]	230	230	230	230	230	230
Power [W]	55	80	50	145	75	140
Current [A]	0.26	0.4	0.22	0.66	0.35	0.65
Maximum air capacity [m^3/h]	860	1050	800	2230	1340	2500
RPM [min^{-1}]	2300	2400	1380	2300	1350	1380
Sound pressure level at 3 m distance [dBA]	50	60	55	60	58	62
Max. operating temperature [°C]	-30 +60	-30 +60	-30 +60	-30 +60	-30 +60	-30 +60
SEC class	-	-	-	-	B	-
Ingress protection rating	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4

* Compliant to the ErP-regulation (EC) 327/2011, the power consumption at optimum efficiency is < 125W.



Sound-power level									
	Octave-frequency band [Hz]								
	Gen	63	125	250	500	1000	2000	4000	8000
Tower-A 300 2E									
L_{WA} to inlet, [dBA]	79	68	71	73	72	71	69	64	59
L_{WA} to environment, [dBA]	78	68	72	72	74	72	70	64	61
Tower-A 300 4E									
L_{WA} to inlet, [dBA]	66	55	57	58	58	57	53	51	48
L_{WA} to environment, [dBA]	65	56	56	57	57	57	55	51	49
Tower-A 300 2E									
η , (%)	30.5	MC	EC	N	VSD	[kW]	[A]	[m^3/h]	[Pa]
	A	Static	30.5	No	0.141	0.64	1380	110	2350
									SR
									1

Sound-power level									
	Octave-frequency band [Hz]								
	Gen	63	125	250	500	1000	2000	4000	8000
L_{WA} to inlet, [dBA]	70	61	62	61	65	61	58	56	53
L_{WA} to environment, [dBA]	68	61	63	63	62	60	60	56	52
η , (%)	29.9	MC	EC	N	VSD	[kW]	[A]	[m^3/h]	[Pa]
	A	Static	41.8	No	0.130	0.6	1717	80	1375
									SR
									1