# Tower-AL
## Roof axial fans

## Use

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

**Air flow:**
up to 1700 m³/h
472 l/s

**Power:**
from 43 W

**Noise level:**
from 32 dBA

## Design

- Steel casing with a special polymer atmospheric resistant coating.
- Aluminium impeller.
- 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

- Single-phase asynchronous external rotor motor with axial impeller.
- Equipped with ball bearings for longer service life.
- Overheating protection by built-in thermal switches with automatic restart.

## Speed control

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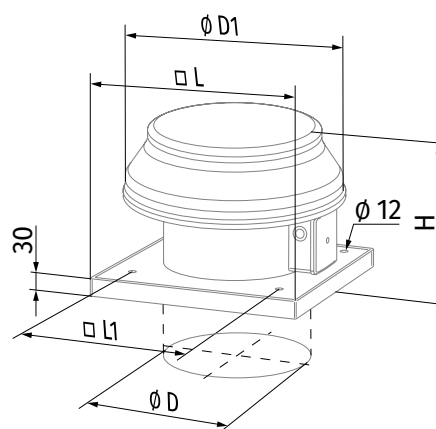
## Mounting

- 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 has holes for fixing bolts that attach the fan to a stable level surface or a roof frame.
- Roof frame and intake flange available on separate order.
- Power is supplied through an external terminal box.

### Designation key

| Series | Spigot diameter [mm] |
|---|---|
| Tower-AL | 200; 250; 315 |

## Overall dimensions [mm]

| Type | ∅ D | ∅ D1 | H | L | L1 | Weight [kg] |
|---|---|---|---|---|---|---|
| Tower-AL 200 | 208 | 345 | 280 | 425 | 330 | 6.1 |
| Tower-AL 250 | 262 | 405 | 300 | 425 | 330 | 7.2 |
| Tower-AL 315 | 314 | 555 | 380 | 585 | 450 | 11.5 |

### Accessories

| Mounting frames | Silencers | Backdraft air dampers | Air dampers | Speed controllers |
|---|---|---|---|---|
| MRDL / MRIDL | SD | VRV | VK / VKA | CDT E1.8 |

## Technical data

| Parameters | Tower-AL 200 | | Tower-AL 250 | | Tower-AL 315 | |
|---|---|---|---|---|---|---|
| Voltage [V] | 1 ~ 230 | | 1 ~ 230 | | 1 ~ 230 | |
| Frequency [Hz] | 50 | 60 | 50 | 60 | 50 | 60 |
| Power [W] | 43 | 33 | 68 | 76 | 110 | 104 |
| Current [A] | 0.28 | 0.21 | 0.48 | 0.51 | 0.75 | 0.7 |
| Maximum air flow [m³/h (l/s)] | 405 (113) | 470 (131) | 1070 (297) | 1050 (292) | 1700 (472) | 1650 (458) |
| RPM [min⁻¹] | 1300 | 1615 | 1300 | 1450 | 1300 | 1365 |
| Sound pressure at 3 m [dBA] | 32 | 31 | 48 | 48 | 54 | 54 |
| Transported air temperature [°C] | 40 | | 40 | | 40 | |
| SEC class | – | | – | | C | |
| IP rating | IP24 | | IP24 | | IP24 | |
| Motor IP rating | IP44 | | IP44 | | IP44 | |
| ErP | – | | – | | – | |







ROOF FANS