

Axis-QA

Axial wall fans

Use

- Supply and extract ventilation systems installed in various premises.
- Mounting in ventilation systems with low static pressure requiring high air capacity.
- Direct air extract.



Air flow:
up to 1700 m³/h
472 l/s



Power:
from 24 W



Noise level:
from 33 dBA



Design

- Compact steel casing covered with special polymer coating.
- Aluminium impeller.
- The casing is equipped with a square mounting plate and flange for easy surface wall mounting.
- The fan is equipped with a power cord and external terminal box for connection to power mains.

Motor

- Single-phase asynchronous motor with an internal rotor and an axial impeller.
- Motor with slide bearings.
- Integrated overheating protection 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

- Wall surface mounting with a square connecting frame.
- Horizontal installation with respect to air flow direction in the system.
- Power supply through an external terminal box with electric lead-in.

Designation key

| Series | Dimension type |
|---------|--|
| Axis-QA | 150: branch pipe Ø 162 mm 200: branch pipe Ø 208 mm 250: branch pipe Ø 262 mm 315: branch pipe Ø 312/315 mm |

Dimensions [mm]

| Type | Ø D | Ø d | B | B1 | L | Weight [kg] |
|-------------|-----|-----|-----|-----|-----|-------------|
| Axis-QA 150 | 162 | 7 | 250 | 210 | 120 | 2.10 |
| Axis-QA 200 | 208 | 7 | 312 | 260 | 120 | 2.82 |
| Axis-QA 250 | 262 | 7 | 370 | 320 | 140 | 4.88 |
| Axis-QA 315 | 312 | 9 | 430 | 380 | 170 | 5.46 |

Accessories

Speed controllers



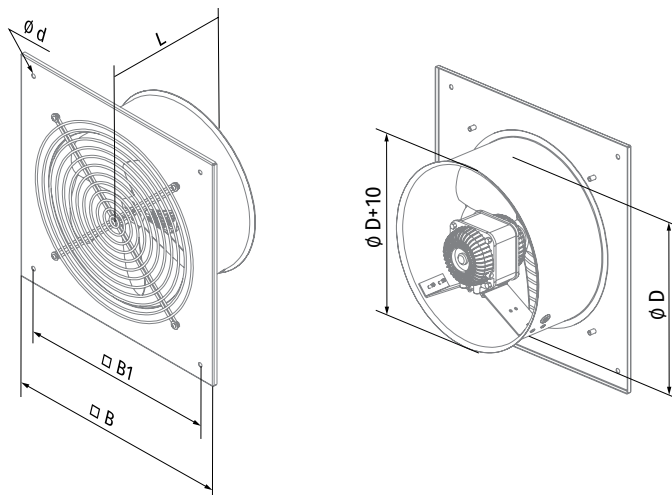
CDT1 E



CDT E1.8



CDTE E... TP

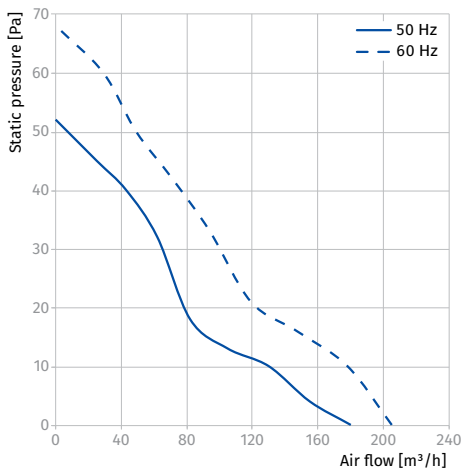


Technical data

| Parameters | Axis-QA 150 | | Axis-QA 200 | | Axis-QA 250 | | Axis-QA 315 | |
|---------------------------------------|-------------|----------|-------------|-----------|-------------|------------|-------------|------------|
| Voltage [V] | 1 ~ 220-240 | | 1 ~ 220-240 | | 1 ~ 220-240 | | 1 ~ 220-240 | |
| Frequency [Hz] | 50 | 60 | 50 | 60 | 50 | 60 | 50 | 60 |
| Power [W] | 26 | 24 | 33 | 36 | 68 | 76 | 110 | 104 |
| Current [A] | 0.19 | 0.17 | 0.23 | 0.23 | 0.48 | 0.51 | 0.75 | 0.7 |
| Maximum air flow [m³/h (l/s)] | 180 (50) | 205 (57) | 390 (108) | 450 (125) | 1070 (297) | 1050 (292) | 1700 (472) | 1650 (458) |
| RPM [min⁻¹] | 1432 | 1590 | 1410 | 1654 | 1300 | 1450 | 1300 | 1365 |
| Sound pressure at 3 m [dBA] | 33 | 33 | 33 | 33 | 37 | 37 | 42 | 43 |
| Max. transported air temperature [°C] | -30 ... +40 | | -30 ... +40 | | -30 ... +40 | | -30 ... +40 | |
| IP rating | IPX4 | | IPX4 | | IPX4 | | IPX4 | |
| Motor IP rating | IP44 | | IP44 | | IP44 | | IP44 | |

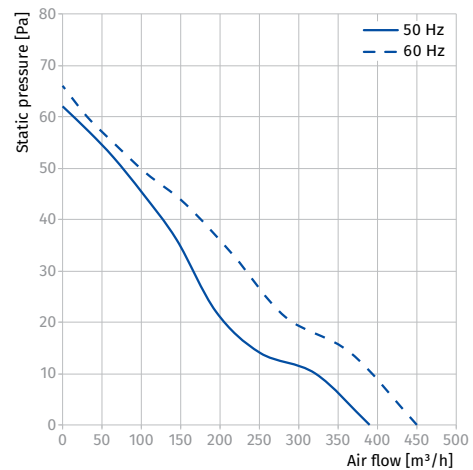
AXIS-QA 150

| Sound power level, A-weighted | Total | Octave frequency bands [Hz] | | | | | | | | LpA 3 m | LpA 1 m |
|-------------------------------|-------|-----------------------------|-----|-----|-----|------|------|------|------|---------|---------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| LWA to environment [dBA] | 54 | 22 | 35 | 39 | 45 | 49 | 49 | 45 | 39 | 33 | 43 |



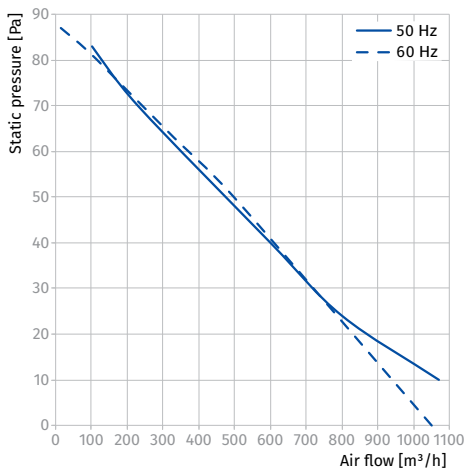
AXIS-QA 200

| Sound power level, A-weighted | Total | Octave frequency bands [Hz] | | | | | | | | LpA 3 m | LpA 1 m |
|-------------------------------|-------|-----------------------------|-----|-----|-----|------|------|------|------|---------|---------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| LWA to environment [dBA] | 53 | 22 | 34 | 38 | 44 | 48 | 48 | 44 | 38 | 32 | 42 |



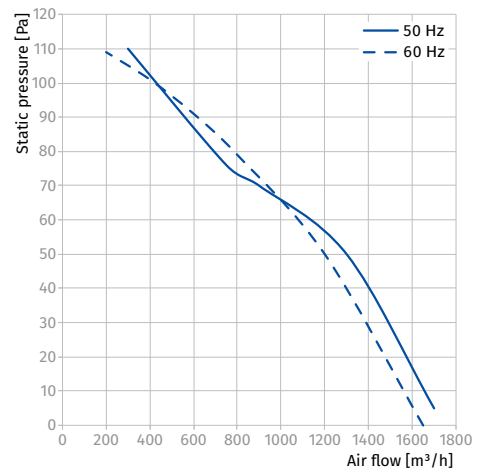
AXIS-QA 250

| Sound power level, A-weighted | Total | Octave frequency bands [Hz] | | | | | | | | LpA 3 m | LpA 1 m |
|-------------------------------|-------|-----------------------------|-----|-----|-----|------|------|------|------|---------|---------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| LWA to environment [dBA] | 58 | 24 | 38 | 42 | 48 | 53 | 53 | 48 | 42 | 37 | 47 |



AXIS-QA 315

| Sound power level, A-weighted | Total | Octave frequency bands [Hz] | | | | | | | | LpA 3 m | LpA 1 m |
|-------------------------------|-------|-----------------------------|-----|-----|-----|------|------|------|------|---------|---------|
| | | 63 | 125 | 250 | 500 | 1000 | 2000 | 4000 | 8000 | | |
| LWA to environment [dBA] | 62 | 39 | 49 | 44 | 50 | 56 | 49 | 42 | 60 | 42 | 52 |



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