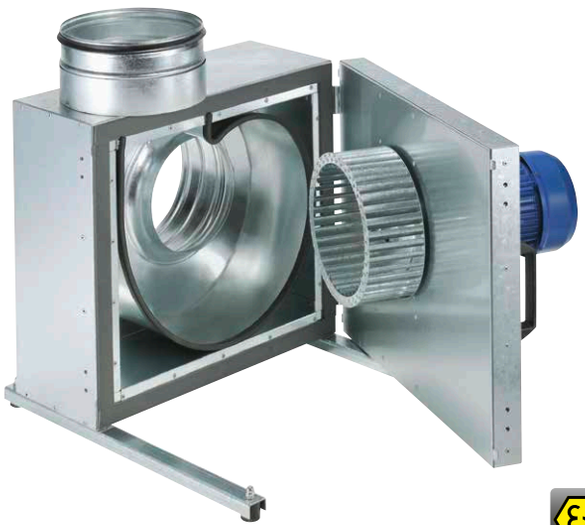
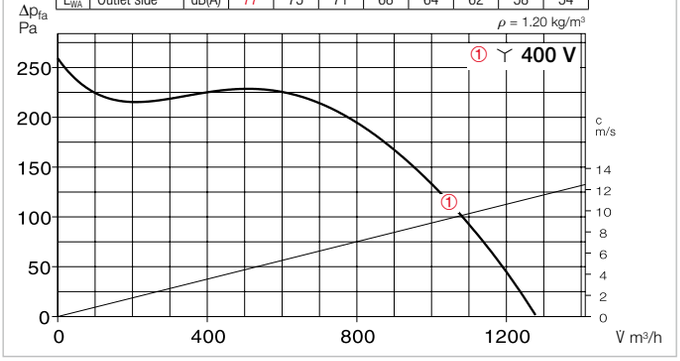
## MB 180 Ex

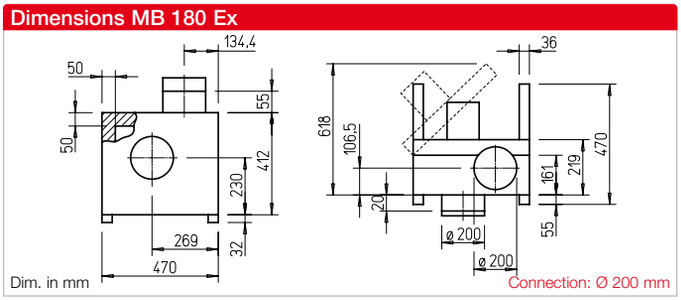


## Performance curves MBD 180/4 Ex

| Frequency | | Hz | Tot. | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
|---|---|---|---|---|---|---|---|---|---|---|
| $L_{WA}$ | Radiation | dB(A) | 57 | 55 | 51 | 58 | 44 | 42 | 38 | 34 |
| $L_{WA}$ | Inlet side | dB(A) | 75 | 73 | 69 | 66 | 62 | 60 | 56 | 52 |
| $L_{WA}$ | Outlet side | dB(A) | 77 | 75 | 71 | 68 | 64 | 62 | 58 | 54 |




## Dimensions MB 180 Ex




Dim. in mm

Connection: Ø 200 mm

### Casing

Double-walled, made of galvanised steel sheet. Sound insulated by lining with 50 mm thick mineral wool insulation boards. Duct connectors on inlet side and outlet side, with rubber lip seal, adapted to standard diameter. Motor-impeller unit fully retractable for inspection and cleaning, suspended on stable hinges. Includes mounting rails made of galvanised steel with screwed-on vibration dampers for easy installation.

### Impeller

**Forward curved high performance centrifugal impeller made of galvanised steel, dynamically balanced together with the motor.**
High efficiency, low noise, aerodynamically optimised volute casing.

### Drive

Through maintenance-free IEC flange motor in protection category IP55.
Ball bearing mounted, radio interference-free.

### Electrical connection

Standard terminal box (IP55) on outside of motor.

### Accessories

**Wall bracket**
Made of galvanised steel sheet.
**MB-WK 180** Ref. no. 05526

**Weather protection cover**
Made of galvanised steel sheet, mounted above motor.
**MB-WSD** Ref. no. 01856

**Flexible connecting sleeve**
For installation between fan and duct.
**FM 200 Ex** Ref. no. 01686

| Reference | Page |
|---|---|
| Techn. description, selection table | 322 ff. |

| Type | Ref. no. | Flow rate free blowing | Rated speed | Case-rad. sound pressure | Power consumption* | Current consumption* | | Wiring diagram | Max. air flow temperature | | Weight net aprx. | Transformer speed controller 5-step | | | | Mot. prot. circ. break. for connecting built-in thermal contacts | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | at rated voltage | in contr. mode | | Rat. vol.. | Control | | with motor prot. circuit breaker | | w/o motor prot. circuit breaker | | | |
| | | V̇ m³/h | min⁻¹ | dB(A) at 1m | kW | A | A | No. | + °C | + °C | kg | Type | Ref. no. | Type | Ref. no. | Type | Ref. no. |
| **Explosion-proof, II 2G Ex h IIB T3 Gb, motor Ex e, three-phase current 400 V, 50 Hz, protection category IP55** | | | | | | | | | | | | | | | | | |
| **MBD 180/4 Ex** | 06004 | 1370 | 1420 | 51 | 0.37 | 1.15 | – | 470 | 40 | – | 29.0 | Not permitted | | Not permitted | | – | |

* For Ex types: Motor ratings, see info p. 20.