

Description for all types

- **Casing**
 Made of galvanised steel sheet, types HQ and HW have additional two layer lacquer coating in papyrus white.
- **Impeller**
 High performance characteristics with profiled blades made of plastic, dynamically balanced.
- **Drive**
 Closed casing made of die-cast aluminium. Protection category IP54, ball bearing mounted. Maintenance-free and radio interference-free. Winding with moisture proof coating. See type table for max. air flow temperature.

- **Motor protection**
 Through built-in thermal contacts wired in series with the winding, automatic deactivation and reactivation after cool down.
- **Electrical connection**
 Standard terminal box (IP54) on back of motor. Additionally on outside of duct for HRF types.
- **Protection grille**
 Made of powder-coated steel for HQ and HW, and plastic for HS. In accordance with DIN EN ISO 13857.
- **Power control**
 All types can be controlled through voltage reduction (electronic or via transformer). The flow rates are shown in the performance diagram.

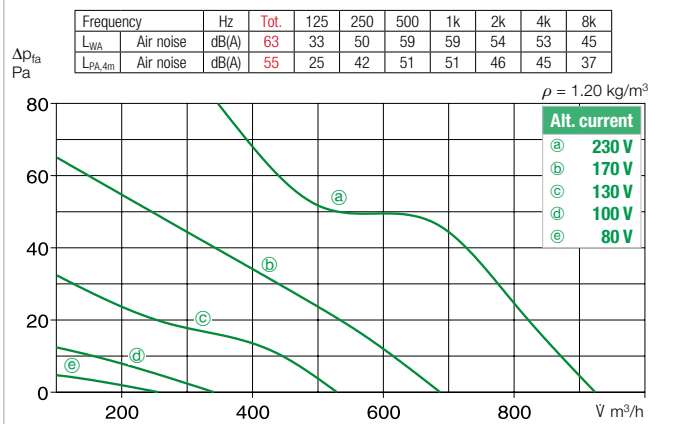
- **Reverse operation**
 All types are reversible using a DSEL switch. Performance reduction of approx. 1/3 in abnormal flow direction.
- **Installation**
 Installation possible in any position, but be aware of any condensate drain holes depending on usage.
- **Noise levels**
 See performance diagram. The sound power and sound pressure at 1 m distance under free field conditions are specified for the average operating point on the inlet/outlet side. See page 14 f for noise emissions and room acoustics.

| Reference | Page |
|--|--------|
| Techn. description | 180 |
| Selection table | 181 |
| Planning information | 14 ff. |
| Special design | |
| Different voltage, protection category, air flow direction, higher air flow temperature, acid protection and impeller in other materials upon request. | |
| The technical information on p. 19 ff. must be observed. | |

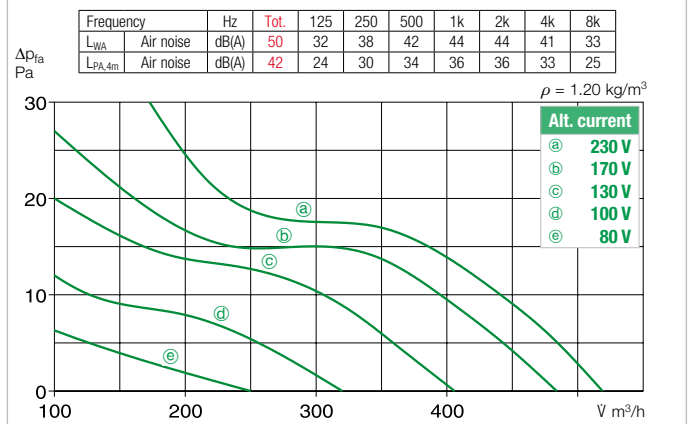
| Speed min ⁻¹ | Flow rate free-blowing V m ³ /h | Power consump. W | Current consump. | | Wiring dia- gram No. | Max. air flow temp. | | Weight net aprx. kg | Design type | | | | | | | |
|----------------------------|--|------------------------|--------------------------|---------------------------|-------------------------------|-----------------------------|-------------------------|------------------------------|--|-------|--|-------|--|-------|--------------------------|-------|
| | | | at rated voltage A | max. with control A | | at rated voltage + °C | with control + °C | | HQ incl. Ref. no. protection grille | | HW incl. Ref. no. protection grille | | HS incl. Ref. no. protection grille | | HRF Ref. no. | |
| 1360 | 520 | 25 | 0.11 | 0.11 | 439 ¹⁾ | 60 | 40 | 3.8 | HQW 200/4 | 07537 | HW 200/4 | 07538 | HSW 200/4 | 07502 | HRFW 200/4 ¹⁾ | 07540 |
| 2250 | 930 | 66 | 0.26 | 0.31 | 439 ¹⁾ | 40 | 40 | 2.7 | HQW 200/2 | 00960 | – | – | HSW 200/2 | 07503 | HRFW 200/2 ¹⁾ | 00199 |

¹⁾ Type HRFW: Connection according to wiring diagram no. 962.

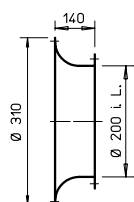

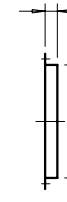


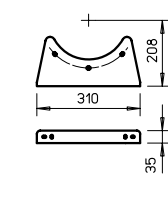
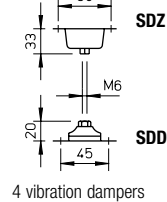
Performance curves 200/2



Performance curves 200/4



Accessories for HRF 200 Description see page 276 ff.

| | | | | | | |
|--|---|--|--|---|---|---|
|  <p>Intake nozzle ASD 200 No. 01388</p> |  <p>Flanged flexible connector STS 200 No. 01219</p> |  <p>Counter flange FR 200 No. 01202</p> |  <p>Flexible connecting sleeve FM 200 No. 01670</p> |  <p>Protection grille duct side SG 200 No. 01216</p> |  <p>2 mounting brackets 1 x MK 200 (= 2 pcs) No. 01446</p> |  <p>4 vibration dampers for tensile load 1 x SDZ 1 (= 4 Pc) No.01454 4 vibration dampers for compression load 1 x SDD 1 (= 4 Pc) No.01452</p> |
|--|---|--|--|---|---|---|

| Type | Ref. no. | Type | Ref. no. | Type | Ref. no. | Type | Ref. no. |
|-------------------------------------|----------|--|-------------|-----------------|----------|--|----------|
| Transformer speed controller 5-step | | Electronic speed controller, continuously variable flush-m./surface-m. | | Reverser switch | | Electronic speed controller with reverser switch | |
| TSW 0.3 | 03608 | ESU 1/ESA 1 | 00236/00238 | DSEL 2 | 01306 | BSX | 00240 |
| TSW 0.3 | 03608 | ESU 1/ESA 1 | 00236/00238 | DSEL 2 | 01306 | BSX | 00240 |

Other accessories Page

- Extension sleeve for HS VH 200** Ref. no. 01349
Cylindrical pipe section, galvanised steel, 15 cm long.
- Filters and silencers 481 ff.
- shutters and ventilation grilles 561 ff.
- Speed controllers, controllers and switches 599 ff.