## Horiz. outlet RD 200



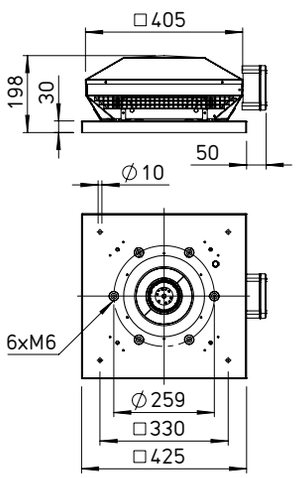
Also available in version: Ex

## Vert. outlet VD 200



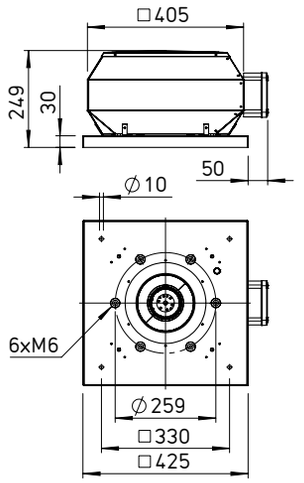
Also available in version: Ex

## Dimensions RD 200




Dim. in mm

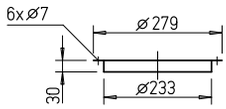
## Dimensions VD 200



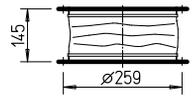

Dim. in mm

## Dimensions Accessories for RD / VD 200

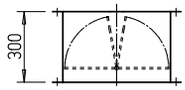
**Counter flange**
**DFR 200** Ref. no. 01201



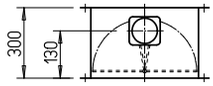

**Flanged flexible connector**
**DSTS 200** Ref. no. 01218
For explosion-proof fans
**DSTS 200 Ex** Ref. no. 02500



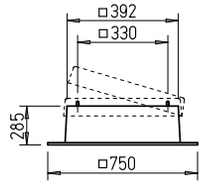

**Shutter, automatic**
**DRVS 200** Ref. no. 02591



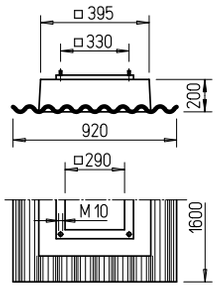

**Shutter, motorised**
**DRVM 200** Ref. no. 02575



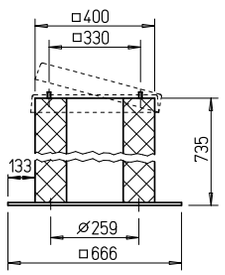

**Flat roof base, hinged**
**FDS 200** Ref. no. 01378




**Corrugated roof base, profile 5**
**WDS 200** Ref. no. 01560




**Base silencer, hinged**
**SSD 200** Ref. no. 05290




Dim. in mm

## Description RD

Horizontal outlet roof fan with efficiency-optimised aluminium casing and newly developed high-performance centrifugal impeller.

## Description VD

Vertical outlet roof fan with efficiency-optimised aluminium casing and newly developed high-performance centrifugal impeller.

## Description of all series

**Casing**
Casing made of sea water-resistant aluminium with integrated tamper protection. Motor support plate and base plate with inlet nozzle made of galvanised steel (explosion-proof version inlet nozzle made of aluminium). Base plate with threaded screws for attachment of inlet-side accessories (hole pattern according to DIN 24155).

**Impeller**
High-performance centrifugal impeller with backward curved blades made of galvanised steel sheet (explosion-proof version made of aluminium). Dynamically balanced according to DIN ISO 21940-11 – quality grade 6.3.

**Drive**
Speed-controllable external rotor motor in closed design (IP44). Ball bearing mounted with moisture protection. Maintenance-free and radio interference-free.

**Motor protection**
Through built-in thermal contacts which are wired in series to the winding and automatically deactivate and reactivate after cooling when the motor temperature is too high. Explosion-proof version with thermal motor protection through built-in PTC thermistors.

**Electrical connection**
To external terminal box in protection category IP65. Isolator switch is optionally available (see Accessories).

**Protection grille**
On the outlet side as standard according to DIN EN ISO 13857.

**Power control**
All types have continuously variable speed control in the range from 0 – 100 % through electronic speed controllers (except for explosion-proof version) or five-step control units. Assignment see type table.

**Delivery**
Units are ready-for-connection, fully pre-assembled in the shipping box.

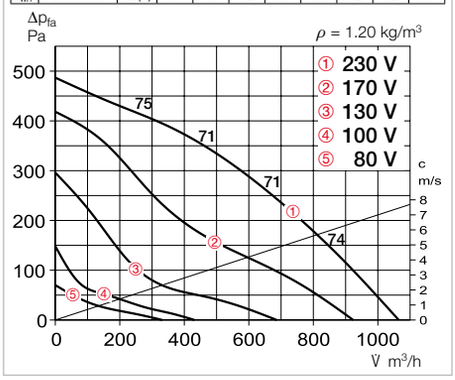
**Noise**
The total level and range are specified above the performance diagram for:
- ☐ Inlet side sound power
- ☐ Outlet side sound power.

The horizontally case-radiated noise as sound pressure at 4 m (free field conditions) is also specified in the type table.

| References | Page |
|---|---|
| Planning information | 14 ff. |
| Technical description | 502 f. |
| Selection table | 504 f. |
| Accessories, details | 560 f. |
| Speed controllers, controllers and switches | 601 ff. |

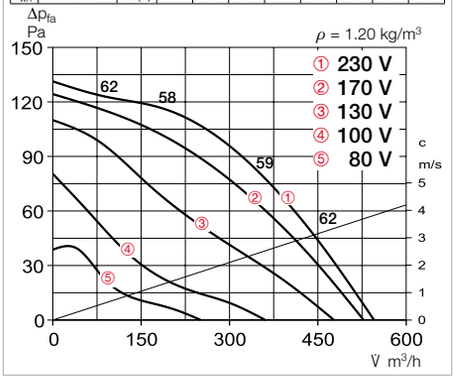
## Performance curves RDW 200/2

| Frequency | | Hz | Tot. | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
|---|---|---|---|---|---|---|---|---|---|---|
| $L_{WA}$ | Inlet side | dB(A) | 68 | 44 | 57 | 61 | 63 | 60 | 60 | 57 |
| $L_{WA}$ | Outlet side | dB(A) | 71 | 45 | 62 | 66 | 65 | 62 | 62 | 58 |




## Performance curves RDW 200/4

| Frequency | | Hz | Tot. | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
|---|---|---|---|---|---|---|---|---|---|---|
| $L_{WA}$ | Inlet side | dB(A) | 56 | 32 | 45 | 49 | 51 | 48 | 48 | 45 |
| $L_{WA}$ | Outlet side | dB(A) | 59 | 33 | 50 | 54 | 53 | 50 | 50 | 46 |

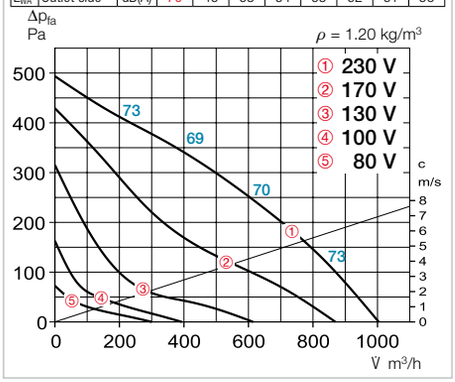



| Type | Ref. no. | Speed | Flow rate Free blowing | Noise sound pressure | Power consump. | Current consump. at rated voltage | Current consump. with control | Wiring diagram | Max. air flow temp. at rated voltage | Max. air flow temp. with control | Weight net | Motor protection circuit breaker | Ref. no. | Speed controller 5-step | Ref. no. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | min⁻¹ | m³/h | dB(A) in 4 m | W | A | A | No. | °C | °C | kg | **Type** | | **Type** | |
| **Single phase alternating current, 1~, 230 V, 50 Hz, Capacitor motor, protection category IP44** | | | | | | | | | | | | | | | |
| **RDW 200/4** | 07177 | 1375 | 545 | 42 | 34 | 0.16 | 0.16 | 923 | 70 | 70 | 7.3 | — | — | **TSW 1.5** | 01495 |
| **RDW 200/2** | 07176 | 2430 | 1070 | 54 | 125 | 0.56 | 0.56 | 923 | 70 | 70 | 7.5 | — | — | **TSW 1.5** | 01495 |
| Ex **Explosion-proof, II 3G Ex h IIB + $H_2$ T3 Gc, Motor Ex nA, Three phase current, 3~, 400 V, 50 Hz, Protection category IP44** | | | | | | | | | | | | | | | |
| **RDD 200/4 Ex**[1] | 07191 | 1465 | 610 | 41 | 80 | 0.37 | 0.37 | 1156 | 40 | 40 | 9.5 | **MSA** | 01289 | **TSD 0.8** | 01500 |

[1] Performance diagram at www.HeliosSelect.de.

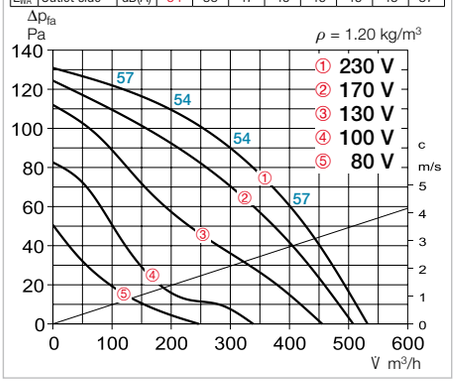
## Performance curves VDW 200/2

| Frequency | | Hz | Tot. | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
|---|---|---|---|---|---|---|---|---|---|---|
| $L_{WA}$ | Inlet side | dB(A) | 68 | 43 | 58 | 60 | 63 | 61 | 60 | 56 |
| $L_{WA}$ | Outlet side | dB(A) | 70 | 46 | 63 | 64 | 63 | 62 | 61 | 58 |




## Performance curves VDW 200/4

| Frequency | | Hz | Tot. | 125 | 250 | 500 | 1k | 2k | 4k | 8k |
|---|---|---|---|---|---|---|---|---|---|---|
| $L_{WA}$ | Inlet side | dB(A) | 52 | 35 | 41 | 47 | 46 | 44 | 44 | 35 |
| $L_{WA}$ | Outlet side | dB(A) | 54 | 38 | 47 | 49 | 46 | 46 | 45 | 37 |




| Type | Ref. no. | Speed | Flow rate Free blowing | Noise sound pressure | Power consump. | Current consump. at rated voltage | Current consump. with control | Wiring diagram | Max. air flow temp. at rated voltage | Max. air flow temp. with control | Weight net | Motor protection circuit breaker | Ref. no. | Speed controller 5-step | Ref. no. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | min⁻¹ | m³/h | dB(A) in 4 m | W | A | A | No. | °C | °C | kg | **Type** | | **Type** | |
| **Single phase alternating current, 1~, 230 V, 50 Hz, Capacitor motor, protection category IP44** | | | | | | | | | | | | | | | |
| **VDW 200/4** | 07134 | 1375 | 535 | 37 | 34 | 0.16 | 0.16 | 923 | 70 | 70 | 7.2 | — | — | **TSW 1.5** | 01495 |
| **VDW 200/2** | 07126 | 2430 | 1000 | 53 | 125 | 0.56 | 0.56 | 923 | 70 | 70 | 7.8 | — | — | **TSW 1.5** | 01495 |
| Ex **Explosion-proof, II 3G Ex h IIB + $H_2$ T3 Gc, Motor Ex nA, Three phase current, 3~, 400 V, 50 Hz, Protection category IP44** | | | | | | | | | | | | | | | |
| **VDD 200/4 Ex**[1] | 07178 | 1465 | 580 | 39 | 80 | 0.38 | 0.38 | 1156 | 40 | 40 | 9.5 | **MSA** | 01289 | **TSD 0.8** | 01500 |

[1] Performance diagram at www.HeliosSelect.de.