

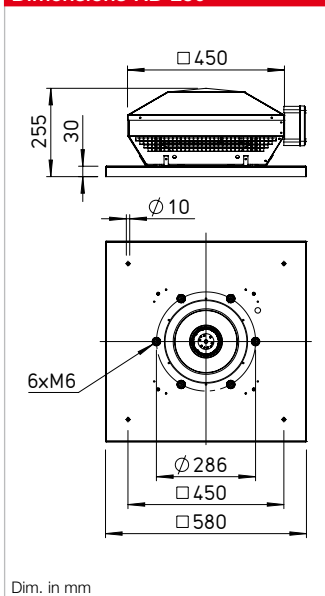
Horiz. outlet RD 250



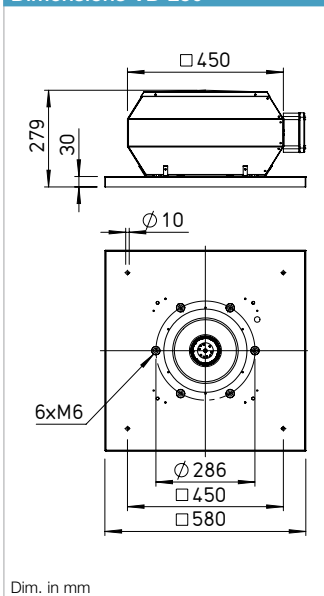
Vert. outlet VD 250



Dimensions RD 250



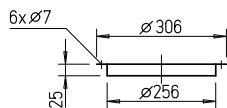
Dimensions VD 250



Dimensions Accessories for RD / VD 250

Counter flange
FR 250

Ref. no. 01203



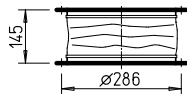
Flanged flexible connector
STS 250

Ref. no. 01220

For explosion-proof fans

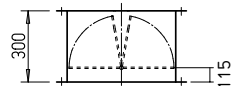
STS 250 Ex

Ref. no. 02501



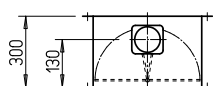
Shutter, automatic
RVS 250

Ref. no. 02592



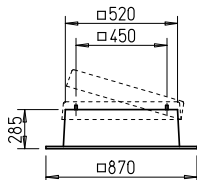
Shutter, motorised
RVM 250

Ref. no. 02576



Flat roof base, hinged
FDS 250

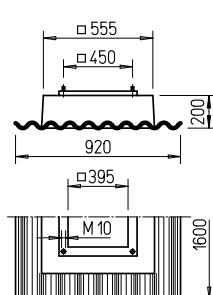
Ref. no. 01379



Dim. in mm

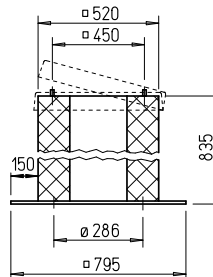
Corrugated roof base, profile 5
WDS 250

Ref. no. 01561



Base silencer, hinged
SSD 250

Ref. no. 05292



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:

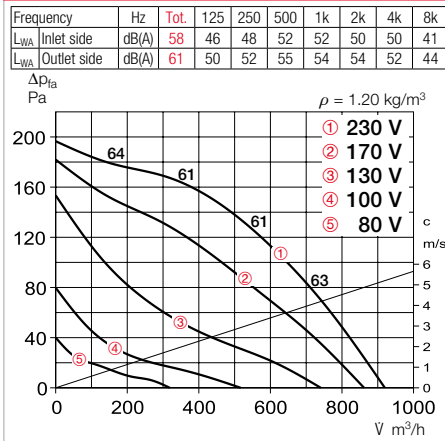
☐ Inlet side sound power

☐ 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
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Accessories, details	560 f.
Speed controllers, controllers and switches	601 ff.

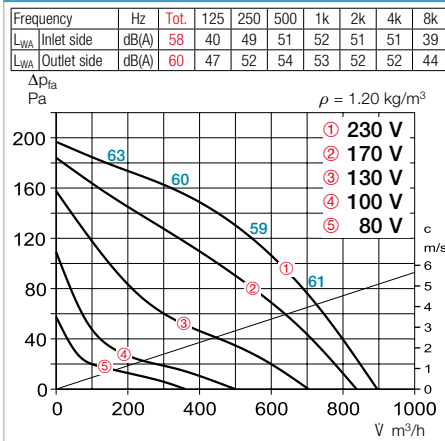
Performance curves RDW 250/4



Type	Ref. no.	Speed	Flow rate Free blowing	Noise sound pressure	Power consump.	Current consump.		Wiring diagram	Max. air flow temp.		Weight net	Motor protection circuit breaker		Speed controller 5-step	
						at rated voltage	with control		at rated voltage	with control		Type	Ref. no.	Type	Ref. no.
		min ⁻¹	m³/h	dB(A) in 4 m	W	A	A	No.	°C	°C	kg	Type	Ref. no.	Type	Ref. no.
Single phase alternating current, 1~, 230 V, 50 Hz, Capacitor motor, protection category IP44															
RDW 250/4	07264	1340	920	44	63	0.28	0.28	923	70	70	11.5	—	—	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 250/4 Ex ¹⁾	07273	1400	1350	46	130	0.38	0.38	1156	40	40	12.0	MSA	01289	TSD 0.8	01500

¹⁾ Performance diagram at www.HeliosSelect.de.

Performance curves VDW 250/4



Type	Ref. no.	Speed	Flow rate Free blowing	Noise sound pressure	Power consump.	Current consump.		Wiring diagram	Max. air flow temp.		Weight net	Motor protection circuit breaker	Speed controller 5-step		
						at rated voltage	with control		at rated voltage	with control					
		min ⁻¹	m ³ /h	dB(A) in 4 m	W	A	A	No.	°C	°C	kg	Type	Ref. no.	Type	Ref. no.
Single phase alternating current, 1~, 230 V, 50 Hz, Capacitor motor, protection category IP44															
VDW 250/4	07244	1340	900	43	63	0.28	0.28	923	70	70	11.5	—	—	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															
VDD 250/4 Ex ¹⁾	07265	1400	1280	45	120	0.37	0.37	1156	40	40	12.5	MSA	01289	TSD 0.8	01500

¹⁾ Performance diagram at www.HeliosSelect.de.