Horiz. outlet RD 250



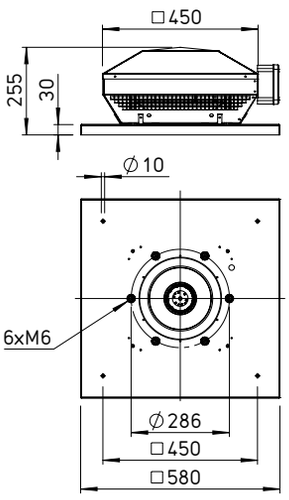
Also available in version:

Vert. outlet VD 250



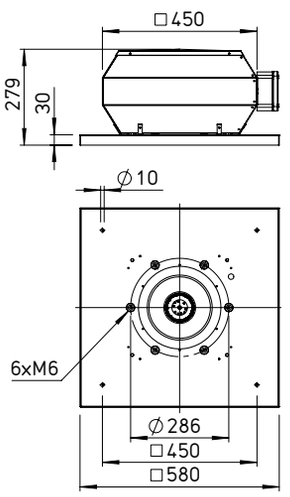
Also available in version:

Dimensions RD 250



Dim. in mm

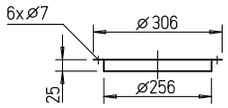
Dimensions VD 250



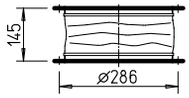
Dim. in mm

Dimensions Accessories for RD / VD 250

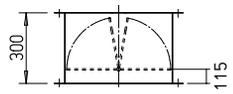
Counter flange
FR 250 Ref. no. 01203



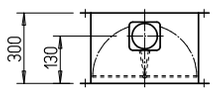
Flanged flexible connector
STS 250 Ref. no. 01220
For explosion-proof fans
STS 250 Ex Ref. no. 02501



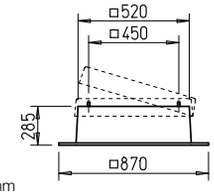
Shutter, automatic
RVS 250 Ref. no. 02592



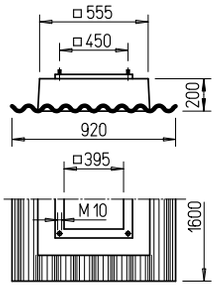
Shutter, motorised
RVM 250 Ref. no. 02576



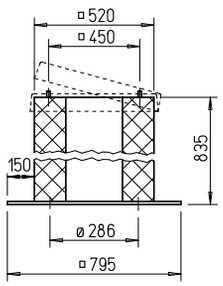
Flat roof base, hinged
FDS 250 Ref. no. 01379



Corrugated roof base, profile 5
WDS 250 Ref. no. 01561



Base silencer, hinged
SSD 250 Ref. no. 05292



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.

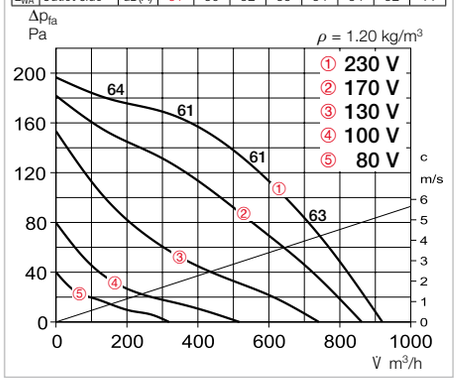
Noise
The total level and range are specified above the performance diagram for:
- ☐ Inlet side sound power
- ☐ Outlet side sound power.

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 250/4

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	58	46	48	52	52	50	50	41
L_{WA}	Outlet side	dB(A)	61	50	52	55	54	54	52	44

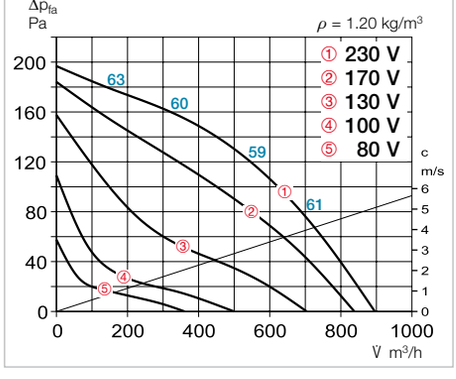


Type	Ref. no.	Speed	Flow rate Free blowing	Noise sound pressure	Power consump.	Current consump. at rated voltage	Current consump. with control	Wiring diagram	Max. air flow temp. at rated voltage	Max. air flow temp. with control	Weight net	Motor protection circuit breaker	Ref. no.	Speed controller 5-step	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 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

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	58	40	49	51	52	51	51	39
L_{WA}	Outlet side	dB(A)	60	47	52	54	53	52	52	44



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 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.