

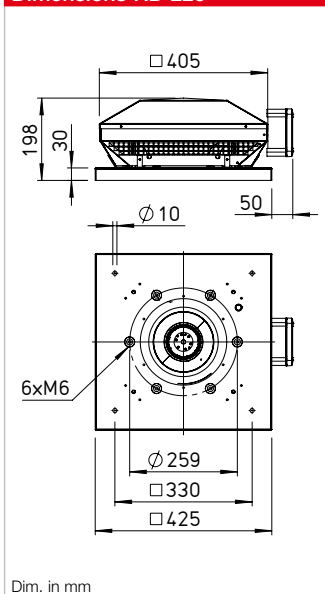
Horiz. outlet RD 225



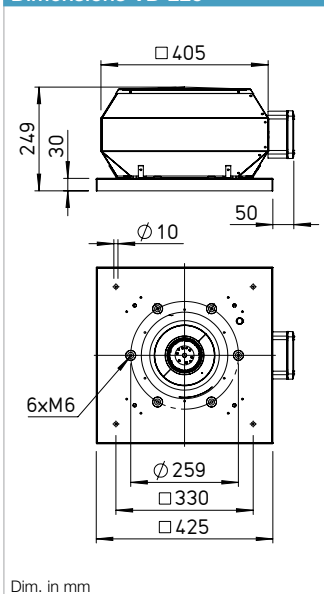
Vert. outlet VD 225



Dimensions RD 225



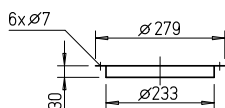
Dimensions VD 225



Dimensions Accessories for RD / VD 225

**Counter flange
FR 225**

Ref. no. 01201



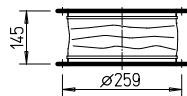
**Flanged flexible connector
STS 225**

Ref. no. 01218

For explosion-proof fans

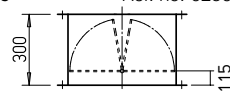
STS 225 Ex

Ref. no. 02500



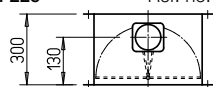
**Shutter, automatic
RVS 225**

Ref. no. 02591



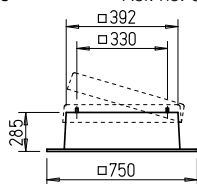
**Shutter, motorised
RVM 225**

Ref. no. 02575



**Flat roof base, hinged
FDS 225**

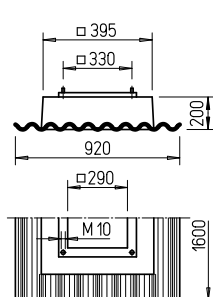
Ref. no. 01378



Dim. in mm

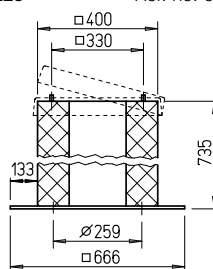
**Corrugated roof base, profile 5
WDS 225**

Ref. no. 01560



**Base silencer, hinged
SSD 225**

Ref. no. 05290



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**

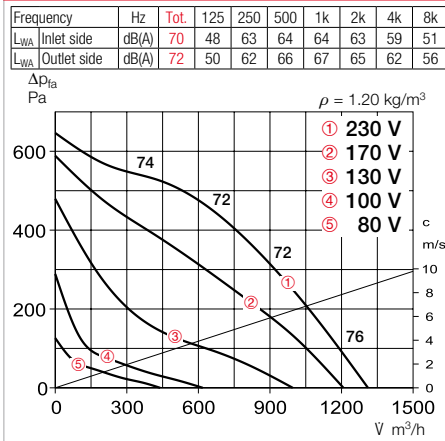
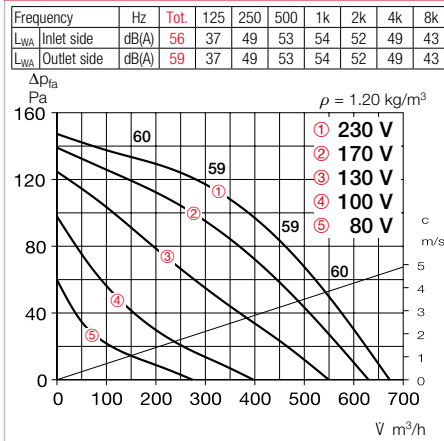
The total level and range are specified above the performance diagram for:

☐ Inlet side sound power

☐ Outlet side sound power.

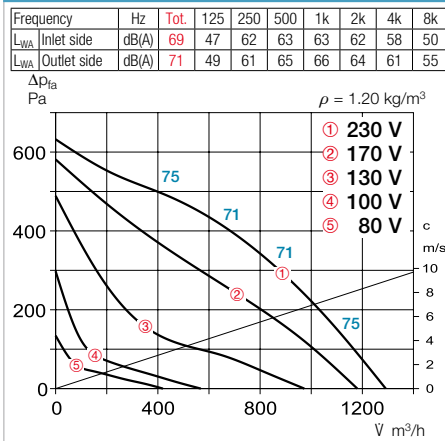
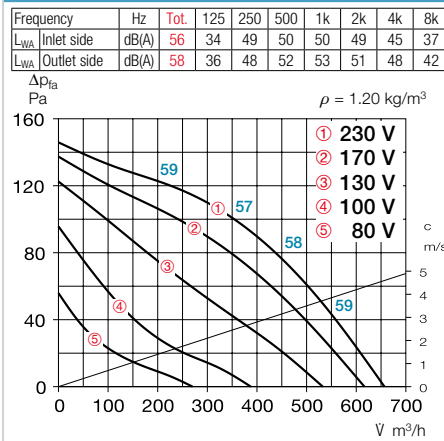
The horizontally case-radiated noise as sound pressure at 4 m (free field conditions) is also specified in the type table.

References	Page
Planning information	14 ff.
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Accessories, details	560 f.
Speed controllers, controllers and switches	601 ff.

Performance curves RDW 225/2

Performance curves RDW 225/4


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	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															
RDW 225/4	07235	1340	650	43	43	0.2	0.2	923	70	70	7.8	—	—	TSW 1.5	01495
RDW 225/2	07234	2635	1330	58	208	0.9	1.0	923	70	70	8.3	—	—	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 225/4 Ex ¹⁾	07239	1445	845	43	100	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 225/2

Performance curves VDW 225/4


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 225/4	07221	1340	640	42	43	0.2	0.2	923	70	70	8.0	—	—	TSW 1.5	01495
VDW 225/2	07196	2635	1295	56	208	0.9	1.0	923	70	70	8.3	—	—	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 225/4 Ex ¹⁾	07237	1450	810	41	100	0.37	0.37	1156	40	40	9.5	MSA	01289	TSD 0.8	01500

¹⁾ Performance diagram at www.HeliosSelect.de.