

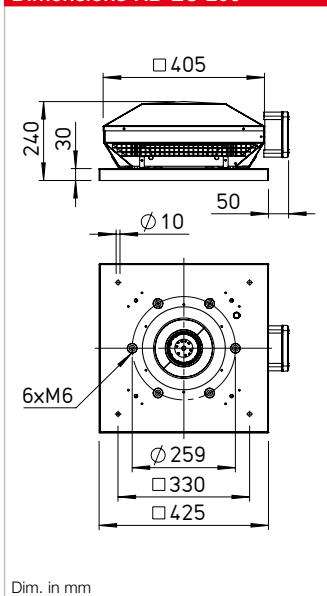
Horiz. outlet RD EC 200



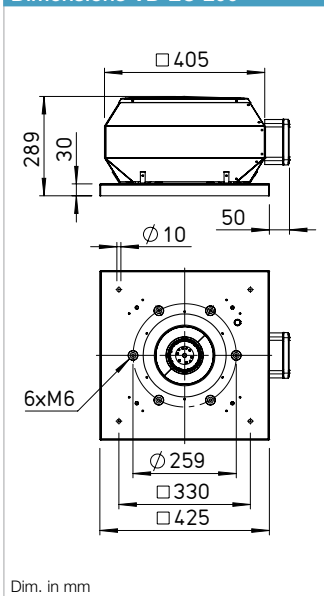
Vert. outlet VD EC 200



Dimensions RD EC 200



Dimensions VD EC 200



Description RD EC

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

Description VD EC

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

Common features RD EC and VD EC

■ Casing

Made of sea water-resistant aluminium with integrated tamper protection. Motor support plate and base plate with inlet nozzle made of galvanised steel. 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. Dynamically balanced according to DIN ISO 21940-11 – quality grade 6.3.

■ Drive

Energy-saving, speed-controllable EC external rotor motor with a high level of efficiency. Maintenance-free and ball bearing mounted.

■ Motor protection

Integrated electronic temperature monitoring system for EC motor and electronics.

■ Electrical connection

ND 180 – 250 to external terminal box in protection category IP65.

■ Protection grille

On outlet side as standard according to DIN EN ISO 13857.

■ Power control

Continuously variable speed control via internal (delivery) or external potentiometer or continuously variable speed control with universal control system.

■ Delivery

Units are ready-for-connection, fully pre-assembled in the shipping box / wooden crate.

■ Noise

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

□ Inlet side sound power

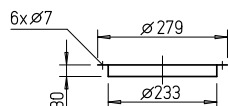
□ Outlet side sound power.

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

Dimensions Accessories for RD EC 200 / VD EC 200

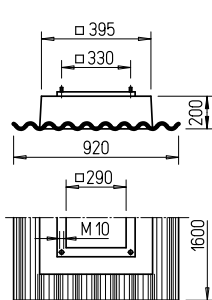
Counter flange DFR 200

Ref. no. 01201



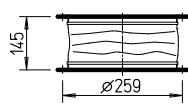
Corrugated roof base, profile 5 WDS 200

Ref. no. 01560



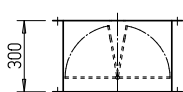
Flanged flexible connector DSTS 200

Ref. no. 01218



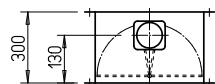
Shutter, automatic DRVS 200

Ref. no. 02591



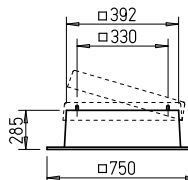
Shutter, motorised DRVM 200

Ref. no. 02575



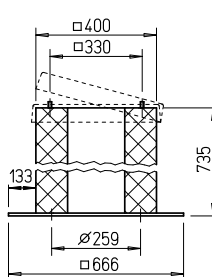
Flat roof base, hinged FDS 200

Ref. no. 01378



Base silencer, hinged SSD 200

Ref. no. 05290

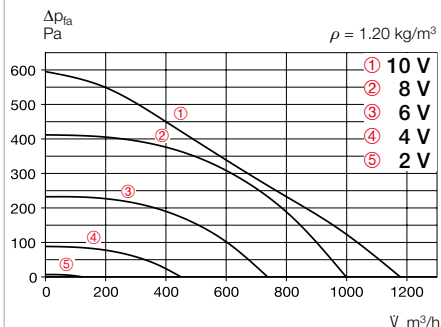


Dim. in mm

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Accessories, details	560 f.
Universal control systems, electronic controllers, speed potentiometer	615 ff.

Performance curves RDW EC 200

Frequency	Hz	Tot.	125	250	500	1k	2k	4k	8k
L _{WA} Inlet side	dB(A)	71	43	64	65	65	63	61	57
L _{WA} Outlet side	dB(A)	74	45	67	67	68	66	65	61

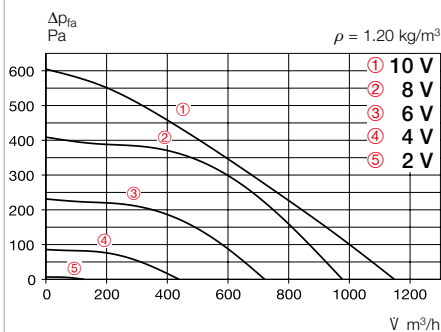


Free blowing						
Voltage V	n min ⁻¹	V m³/h	P W	I A	Lp dB(A)	SFP kW/m³/s
10	3000	1180	125	0.90	57	0.38
8	2545	1000	75	0.60	54	0.27
6	1925	740	35	0.27	48	0.17
4	1185	450	10	0.10	39	0.08

Type	Ref. no.	Speed	Flow rate Free blowing	Noise sound pressure	Power con- sumption	Current consump.		Wiring diagram	Max. air flow temp.		Wgt net	Speed potentiometer			
		min ⁻¹	m³/h	dB(A) in 4 m	W	at rated voltage	with control	No.	at rated voltage	with control	kg	Flush-mounted		Surf.-mounted	
						A	A	No.	°C	°C		Type	Ref. no.	Type	Ref. no.
Single phase alternating current, 1~, 230 V, 50 Hz, EC motor, protection category IP44															
RDW EC 200	07195	2650	1180	56.5	129	0.93	0.93	1149	50	—	6.8	PU 10	01734	PA 10	01735

Performance curves VDW EC 200

Frequency	Hz	Tot.	125	250	500	1k	2k	4k	8k
L _{WA} Inlet side	dB(A)	69	52	58	64	63	61	61	52
L _{WA} Outlet side	dB(A)	72	56	65	67	64	64	63	55



Free blowing						
Voltage V	n min ⁻¹	V m³/h	P W	I A	Lp dB(A)	SFP kW/m³/s
10	2960	1150	130	0.90	55	0.41
8	2520	975	80	0.60	52	0.30
6	1900	720	35	0.25	46	0.18
4	1170	440	10	0.09	36	0.08

Type	Ref. no.	Speed	Flow rate Free blowing	Noise sound pressure	Power con- sumption	Current consump.		Wiring diagram	Max. air flow temp.		Wgt net	Speed potentiometer			
		min ⁻¹	m³/h	dB(A) in 4 m	W	at rated voltage	with control	No.	at rated voltage	with control	kg	Flush-mounted		Surf.-mounted	
						A	A	No.	°C	°C		Type	Ref. no.	Type	Ref. no.
Single phase alternating current, 1~, 230 V, 50 Hz, EC motor, protection category IP44															
VDW EC 200	07192	2670	1150	55	129	0.94	0.94	1149	50	—	7.4	PU 10	01734	PA 10	01735