

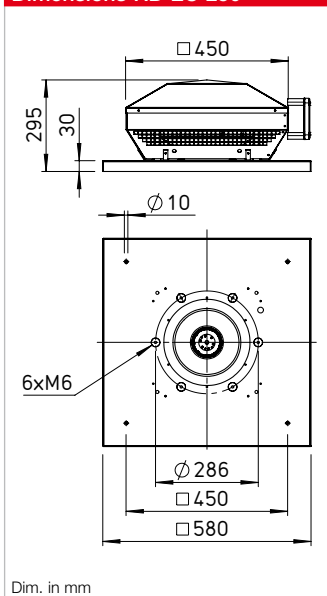
Horiz. outlet RD EC 250



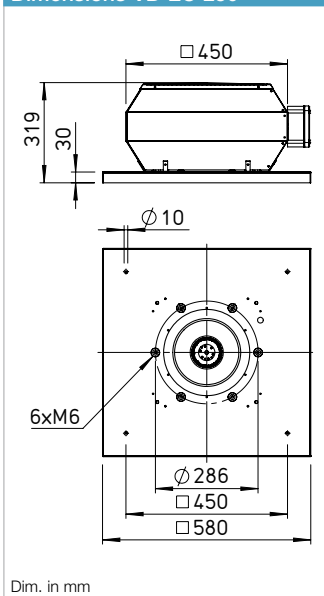
Vert. outlet VD EC 250



Dimensions RD EC 250



Dimensions VD EC 250



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

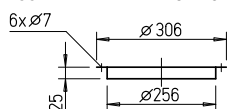
□ Outlet side sound power.

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 250 / VD EC 250

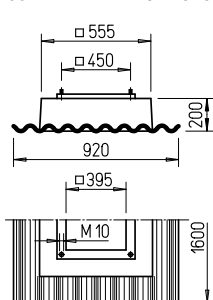
Counter flange FR 250

Ref. no. 01203



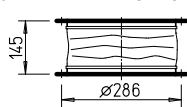
Corrugated roof base, profile 5 WDS 250

Ref. no. 01561



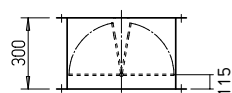
Flanged flexible connector STS 250

Ref. no. 01220



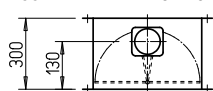
Shutter, automatic RVS 250

Ref. no. 02592



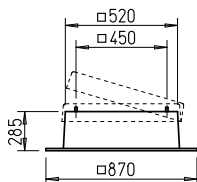
Shutter, motorised RVM 250

Ref. no. 02576



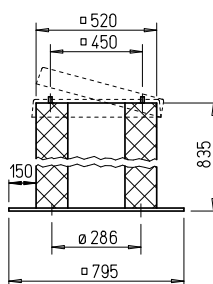
Flat roof base, hinged FDS 250

Ref. no. 01379



Base silencer, hinged SSD 250

Ref. no. 05292

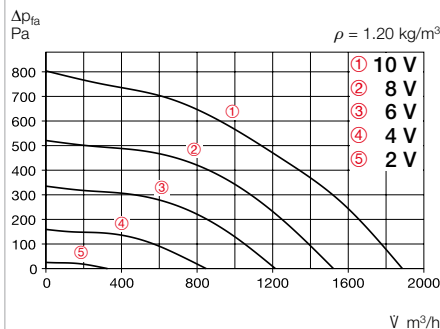


Dim. in mm

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

Performance curves RDW EC 250

Frequency	Hz	Tot.	125	250	500	1k	2k	4k	8k
L _{WA} Inlet side	dB(A)	76	50	67	70	69	68	68	65
L _{WA} Outlet side	dB(A)	78	56	70	71	71	71	70	67

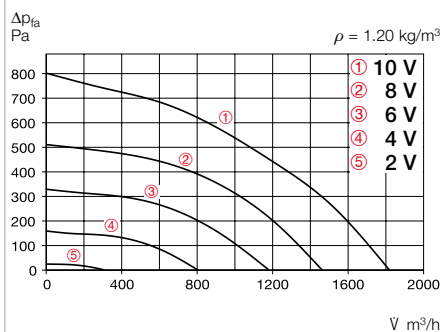


Free blowing						
Voltage V	n min ⁻¹	V m³/h	P W	I A	Lp dB(A)	SFP kW/m³/s
10	2870	1895	230	1.00	61	0.44
8	2300	1520	125	0.55	57	0.30
6	1840	1215	70	0.32	52	0.21
4	1290	860	30	0.15	45	0.13

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			
						at rated voltage	with control		at rated voltage	with control		Flush-mounted	Surf.-mounted	Type	Ref. no.
		min ⁻¹	m³/h	dB(A) in 4 m	W	A	A	No.	°C	°C	kg				
Single phase alternating current, 1 ~, 230 V, 50 Hz, EC motor, protection category IP54															
RDW EC 250	07278	2705	1900	60.5	319	1.34	1.34	1149	50	—	11	PU 10	01734	PA 10	01735

Performance curves VDW EC 250

Frequency	Hz	Tot.	125	250	500	1k	2k	4k	8k
L _{WA} Inlet side	dB(A)	75	48	66	69	68	68	67	63
L _{WA} Outlet side	dB(A)	76	51	67	69	70	69	68	64



Free blowing						
Voltage V	n min ⁻¹	V m³/h	P W	I A	Lp dB(A)	SFP kW/m³/s
10	2860	1830	240	1.05	59	0.47
8	2300	1460	130	0.60	55	0.32
6	1840	1180	75	0.35	50	0.23
4	1280	810	30	0.20	43	0.13

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			
						at rated voltage	with control		at rated voltage	with control		Flush-mounted	Surf.-mounted	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, EC motor, protection category IP54															
VDW EC 250	07276	2740	1825	59	321	1.36	1.36	1149	50	—	11.5	PU 10	01734	PA 10	01735