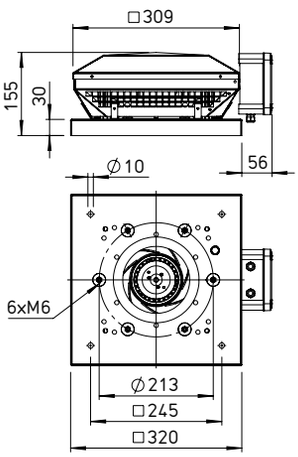
Horiz. outlet RD 180



Vert. outlet VD 180

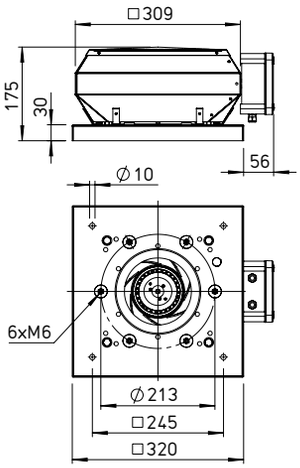


Dimensions RD 180



Dim. in mm

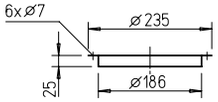
Dimensions VD 180



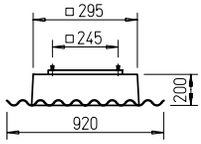
Dim. in mm

Dimensions Accessories for RD / VD 180

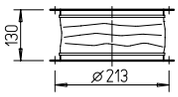
Counter flange
FR 180 Ref. no. 01200

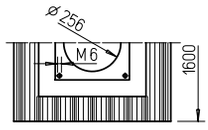


Corrugated roof base, profile 5
WDS 180 Ref. no. 01559

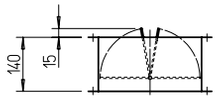


Flanged flexible connector
STS 180 Ref. no. 01217

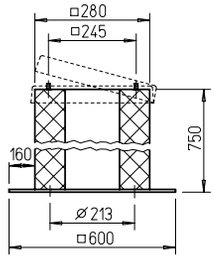




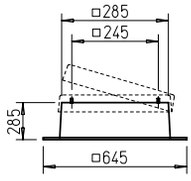
Shutter, automatic
DVS 180 Ref. no. 01247



Base silencer, hinged
SSD 180 Ref. no. 05289



Flat roof base, hinged
FDS 180 Ref. no. 01377



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.

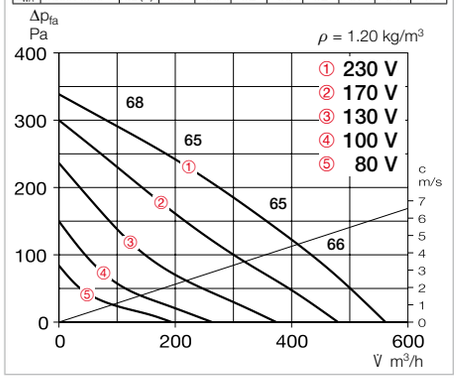
Description of all series

- **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. 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 plastic. 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.
- **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 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	501 f.
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Accessories, details	560 f.
Speed controllers, controllers and switches	601 ff.

Performance curves RDW 180/2

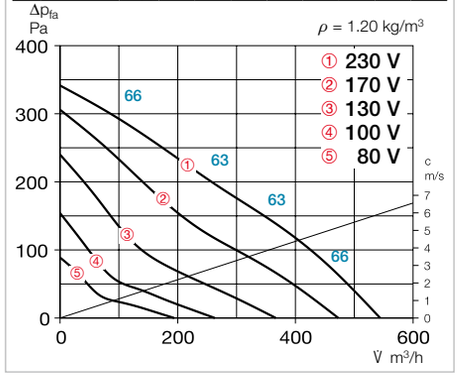
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	61	37	48	53	56	55	54	44
L_{WA}	Outlet side	dB(A)	65	38	52	58	62	57	54	45



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		Speed controller 5-step	
		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 180/2	07122	2320	566	46	58	0.25	0.25	923	70	70	4.6	—	—	**TSW 1.5**	01495

Performance curves VDW 180/2

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	60	36	47	52	55	54	53	43
L_{WA}	Outlet side	dB(A)	63	38	51	56	59	57	52	43



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		Speed controller 5-step	
		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															
VDW 180/2	07120	2320	545	46	56	0.25	0.25	923	70	70	4.6	—	—	**TSW 1.5**	01495