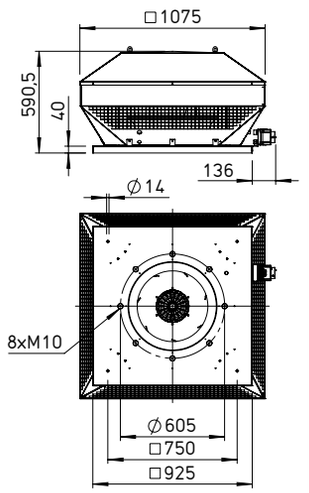
Horiz. outlet RD EC 560



Verti. outlet VD EC 560

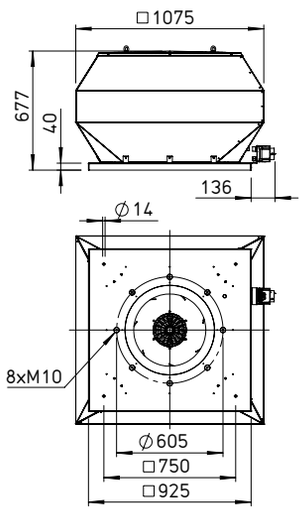


Dimensions RD EC 560



Dim. in mm

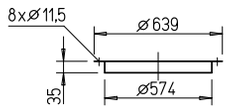
Dimensions VD EC 560



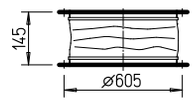
Dim. in mm

Dimensions Accessories for RD EC 560 / VD EC 560

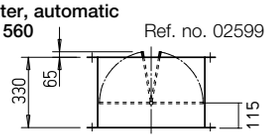
Counter flange
FR 560 Ref. no. 01209



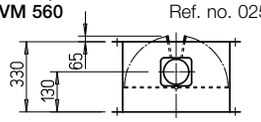
Flanged flexible connector
STS 560 Ref. no. 01226



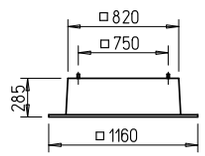
Shutter, automatic
RVS 560 Ref. no. 02599



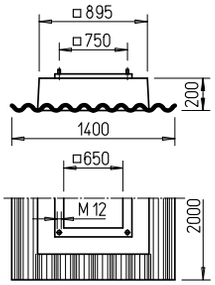
Shutter, motorised
RVM 560 Ref. no. 02583



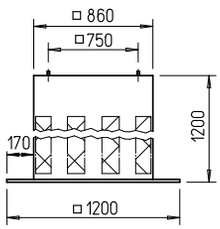
Flat roof base
FDS 560 Ref. no. 01382



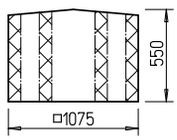
Corrugated roof base, profile 5
WDS 560 Ref. no. 01564



Base silencer
SSD 560 Ref. no. 05017



Hood silencer
HSDV 560 Ref. no. 07484
only for type VD



Dim. in mm

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 aluminium. Dynam-ically 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 315 – 630 to external terminal box and isolator 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.

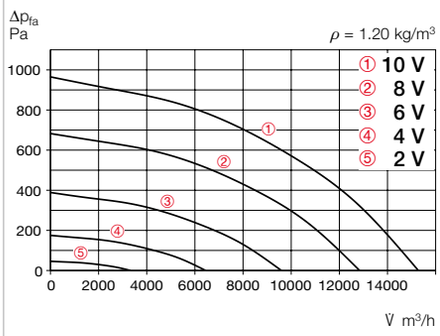
Noise
The total level and range are specified above the performance diagram for:
- ☐ Inlet side sound power
- ☐ Outlet side sound power.

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.

References	Page
Planning information	14 ff.
Technical description	501 f.
Selection table	503 f.
Accessories, details	560 f.
Universal control systems, electronic controllers, speed potentiometer	615 ff.

Performance curves RDD EC 560

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	80	69	71	72	73	72	68	61
L_{WA}	Outlet side	dB(A)	85	73	76	78	79	76	69	60

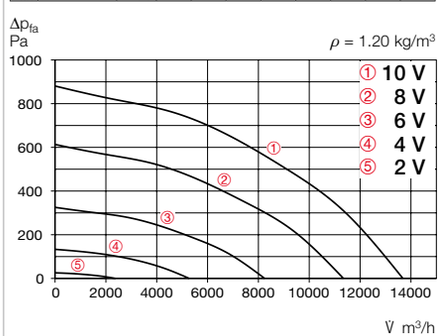


Free blowing						
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	1300	15290	1970	3.10	67	0.46
8	1100	13860	1180	2.00	64	0.33
6	820	9600	530	1.10	57	0.19
4	550	6550	180	0.51	47	0.10

Type	Ref. no.	Speed	Flow rate Free blowing	Noise sound pressure	Power consumption	Current consump. at rated voltage	Current consump. with control	Wiring diagram	Max. air flow temp. at rated voltage	Max. air flow temp. with control	Wgt net	Speed potentiometer Flush-mounted **Type**	Flush-mounted Ref. no.	Speed potentiometer Surf.-mounted **Type**	Surf.-mounted Ref. no.
		min⁻¹	m³/h	dB(A) in 4 m	W	A	A	No.	°C	°C	kg				
Three phase current, 3~, 400 V, 50 Hz, EC motor, protection category IP54															
RDD EC 560	07435	1300	15287	67	2900	4.45	4.45	1148	60	–	75	**PU 24**	01736	**PA 24**	01737

Performance curves VDD EC 560

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	75	65	67	68	69	68	64	57
L_{WA}	Outlet side	dB(A)	79	68	72	74	73	69	65	58



Free blowing						
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	1260	13680	1914	2.93	62	0.50
8	1046	11345	1156	1.82	58	0.37
6	765	8246	534	1.02	51	0.23
4	489	5279	200	0.44	41	0.14

Type	Ref. no.	Speed	Flow rate Free blowing	Noise sound pressure	Power consumption	Current consump. at rated voltage	Current consump. with control	Wiring diagram	Max. air flow temp. at rated voltage	Max. air flow temp. with control	Wgt net	Speed potentiometer Flush-mounted **Type**	Flush-mounted Ref. no.	Speed potentiometer Surf.-mounted **Type**	Surf.-mounted Ref. no.
		min⁻¹	m³/h	dB(A) in 4 m	W	A	A	No.	°C	°C	kg				
Three phase current, 3~, 400 V, 50 Hz, EC motor, protection category IP54															
VDD EC 560	07433	1300	13680	62	2660	4.1	4.1	1148	60	–	75	**PU 24**	01736	**PA 24**	01737