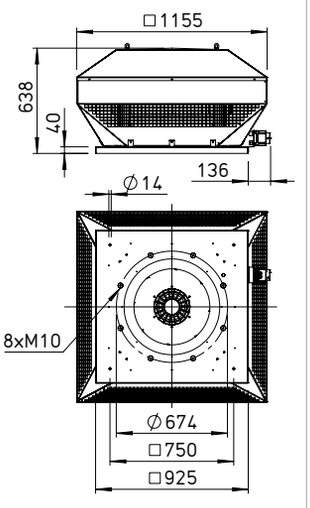
Horiz. outlet RD EC 630



Verti. outlet VD EC 630

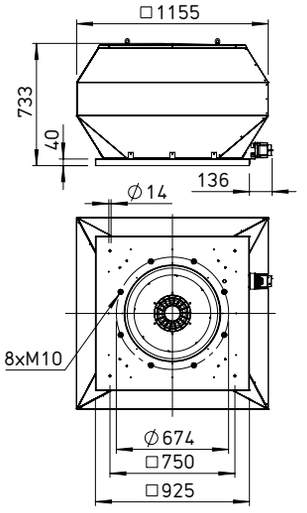


Dimensions RD EC 630



Dim. in mm

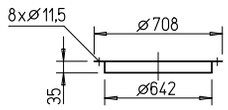
Dimensions VD EC 630



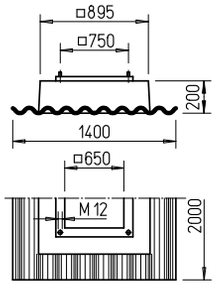
Dim. in mm

Dimensions Accessories for RD EC 630 / VD EC 630

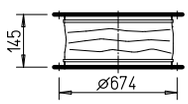
Counter flange
FR 630 Ref. no. 01211



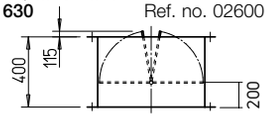
Corrugated roof base, profile 5
WDS 630 Ref. no. 01565



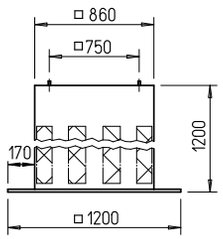
Flanged flexible connector
STS 630 Ref. no. 01228



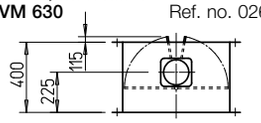
Shutter, automatic
RVS 630 Ref. no. 02600



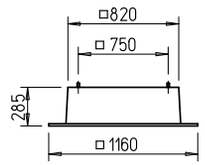
Base silencer
SSD 630 Ref. no. 05017



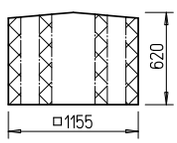
Shutter, motorised
RVM 630 Ref. no. 02609



Flat roof base
FDS 630 Ref. no. 01382



Hood silencer
HSDV 630 Ref. no. 07489
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.

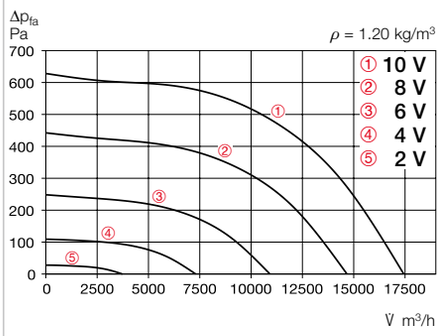
Noise
The total level and range are specified above the performance diagram for:
- ☐ Inlet side sound power
- ☐ Outlet side sound power.

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 630

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	80	63	70	74	75	73	71	62
L_{WA}	Outlet side	dB(A)	84	68	73	80	79	75	69	63

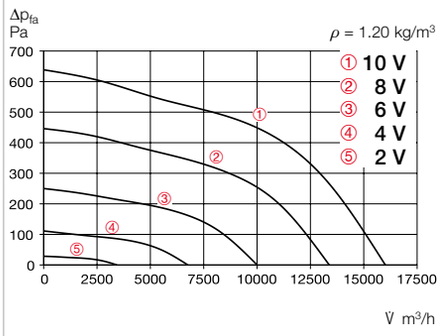


Free blowing						
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	940	17710	2150	3.20	67	0.44
8	780	14650	1250	1.95	63	0.31
6	570	10580	490	0.90	56	0.17
4	350	6660	140	0.30	46	0.08

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**	Ref. no.	Speed potentiometer Surf.-mounted **Type**	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 630	07455	940	17457	67	2730	4.2	4.3	1148	60	–	87	**PU 24**	01736	**PA 24**	01737

Performance curves VDD EC 630

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	80	63	70	74	75	73	71	62
L_{WA}	Outlet side	dB(A)	84	68	73	80	79	75	69	63



Free blowing						
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	940	16000	2380	3.55	67	0.54
8	780	13180	1370	2.15	63	0.37
6	570	9530	540	0.95	56	0.20
4	350	5890	150	0.32	46	0.09

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**	Ref. no.	Speed potentiometer Surf.-mounted **Type**	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 630	07451	940	16013	66.5	2700	4.2	4.2	1148	60	–	90	**PU 24**	01736	**PA 24**	01737