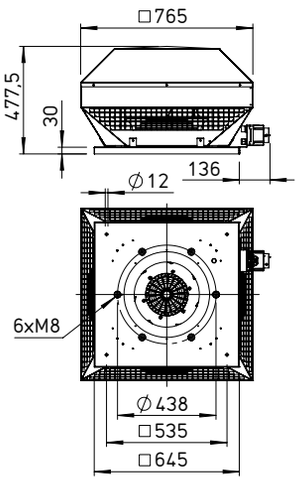
Horiz. outlet RD EC 400



Verti. outlet VD EC 400

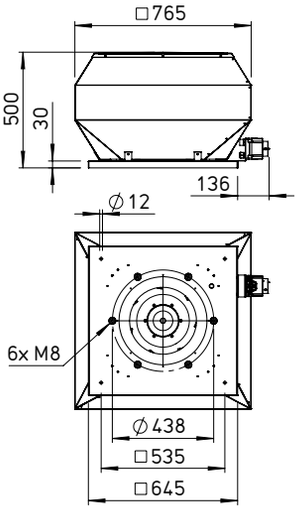


Dimensions RD EC 400



Dim. in mm

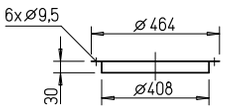
Dimensions VD EC 400



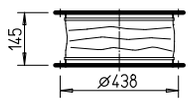
Dim. in mm

Dimensions Accessories for RD EC 400 / VD EC 400

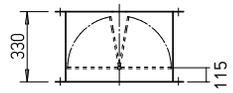
Counter flange
FR 400 Ref. no. 01206



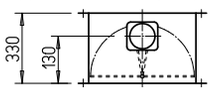
Flanged flexible connector
STS 400 Ref. no. 01223



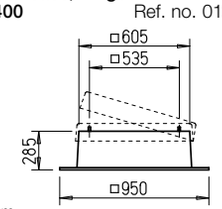
Shutter, automatic
RVS 400 Ref. no. 02596



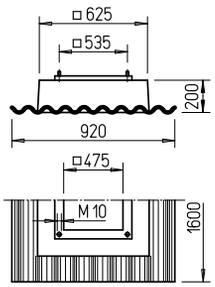
Shutter, motorised
RVM 400 Ref. no. 02580



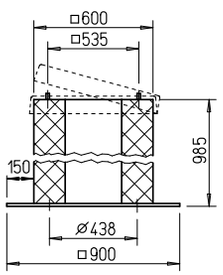
Flat roof base, hinged
FDS 400 Ref. no. 01380



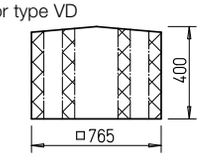
Corrugated roof base, profile 5
WDS 400 Ref. no. 01562



Base silencer, hinged
SSD 400 Ref. no. 05291



Hood silencer
HSDV 400 Ref. no. 07481
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 plastic. 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 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.

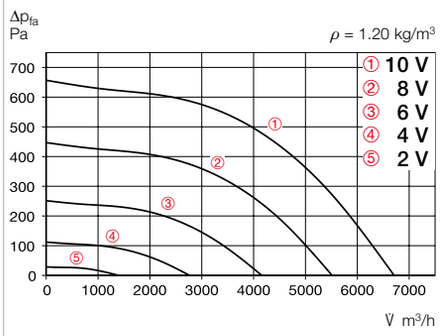
Noise
The total level and range are specified above the performance diagram for:
- ☐ Inlet side sound power
- ☐ Outlet side sound power.

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 RDW EC 400

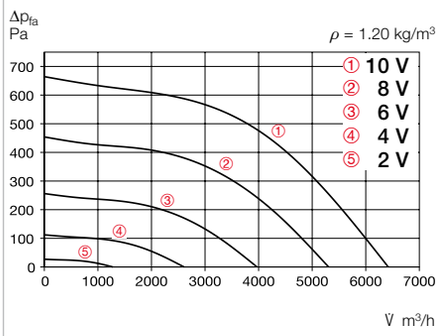
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	72	62	66	67	64	63	57	53
L_{WA}	Outlet side	dB(A)	77	68	71	71	71	67	60	53



Free blowing						
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	1500	6695	691	2.90	60	0.37
8	1237	5522	388	1.68	56	0.25
6	927	4168	173	0.83	50	0.15
4	617	2761	62	0.45	41	0.08

Performance curves RDD EC 400

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	72	62	66	67	64	63	57	53
L_{WA}	Outlet side	dB(A)	77	68	71	71	71	67	60	53

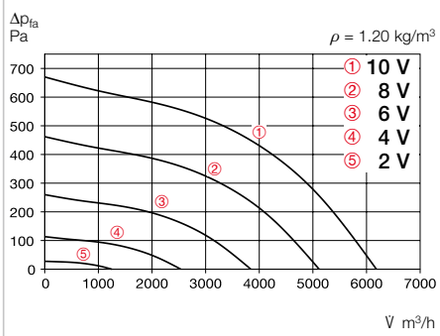


Free blowing						
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	1500	6450	715	1.20	60	0.40
8	1250	5350	445	0.80	56	0.30
6	910	3910	210	0.45	50	0.19
4	580	2500	80	0.20	40	0.12

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				
Single phase alternating current, 1~, 230 V, 50 Hz, EC motor, protection category IP54															
RDW EC 400	07365	1500	6695	59.5	1050	4.4	4.4	1147	40	–	28	**PU 24**	01736	**PA 24**	01737
Three phase current, 3~, 400 V, 50 Hz, EC motor, protection category IP54															
RDD EC 400	07369	1500	6421	59.5	950	1.6	1.7	1148	60	–	33	**PU 24**	01736	**PA 24**	01737

Performance curves VDW EC 400

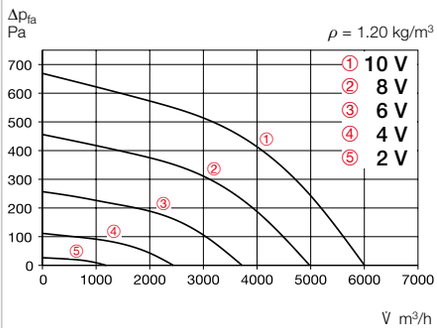
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	73	63	67	68	65	64	58	54
L_{WA}	Outlet side	dB(A)	77	64	72	71	71	67	61	55



Free blowing						
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	1499	6198	726	3,0	60	0,42
8	1246	5132	416	2,0	56	0,29
6	935	3859	187	1,0	50	0,17
4	619	2544	67	0,47	41	0,09

Performance curves VDD EC 400

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	71	60	65	65	64	63	58	52
L_{WA}	Outlet side	dB(A)	76	66	67	67	71	66	59	52



Free blowing						
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	1500	6060	755	1.25	59	0.45
8	1250	5050	465	0.85	55	0.33
6	910	3680	220	0.45	49	0.22
4	580	2350	80	0.20	39	0.12

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				
Single phase alternating current, 1~, 230 V, 50 Hz, EC motor, protection category IP54															
VDW EC 400	07364	1500	6200	59.5	1000	4.2	4.2	1147	40	–	33	**PU 24**	01736	**PA 24**	01737
Three phase current, 3~, 400 V, 50 Hz, EC motor, protection category IP54															
VDD EC 400	07368	1500	6022	58.5	950	1.7	1.7	1148	60	–	33	**PU 24**	01736	**PA 24**	01737