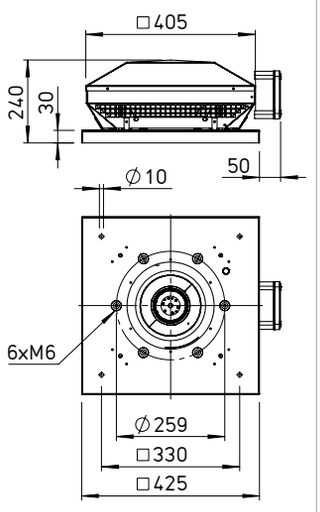
Horiz. outlet RD EC 225



Vert. outlet VD EC 225

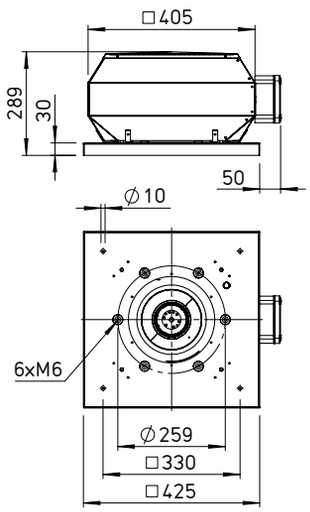


Dimensions RD EC 225



Dim. in mm

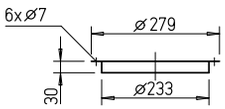
Dimensions VD EC 225



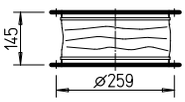
Dim. in mm

Dimensions Accessories for RD EC 225 / VD EC 225

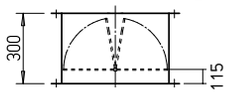
Counter flange
FR 225 Ref. no. 01201



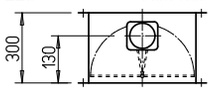
Flanged flexible connector
STS 225 Ref. no. 01218



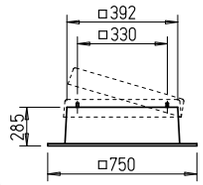
Shutter, automatic
RVS 225 Ref. no. 02591



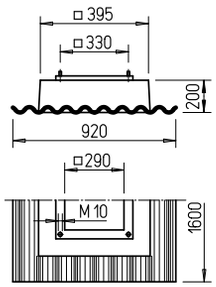
Shutter, motorised
RVM 225 Ref. no. 02575



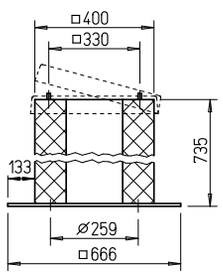
Flat roof base, hinged
FDS 225 Ref. no. 01378



Corrugated roof base, profile 5
WDS 225 Ref. no. 01560



Base silencer, hinged
SSD 225 Ref. no. 05290



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 or galvanised steel sheet (Type B). 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 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.

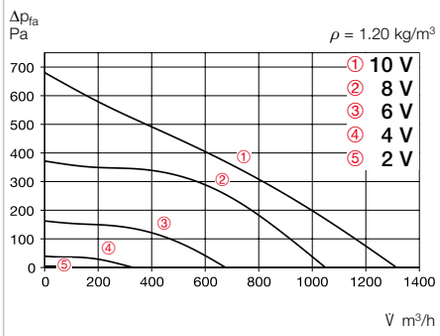
Noise
The total level and range are specified above the performance diagram for:
- ☐ Inlet side sound power
- ☐ Outlet side sound power.

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.

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 225 A

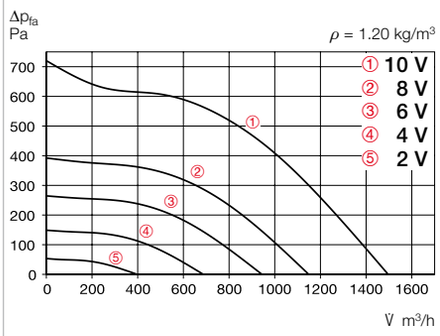
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	67	50	56	61	62	59	59	49
L_{WA}	Outlet side	dB(A)	69	49	60	66	62	58	58	48



Free blowing						
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	2700	1300	145	1.05	52	0.40
8	2160	1050	75	0.55	48	0.26
6	1430	680	25	0.20	39	0.13
4	720	330	5	0.05	28	0.05

Performance curves RDW EC 225 B

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	75	49	66	69	68	67	67	64
L_{WA}	Outlet side	dB(A)	77	55	69	70	70	70	69	66

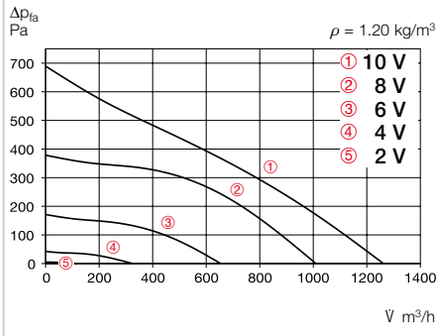


Free blowing						
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	3020	1500	205	0.90	60	0.49
8	2350	1150	105	0.45	55	0.33
6	1940	945	65	0.30	51	0.25
4	1450	690	35	0.20	45	0.18

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 IP44															
RDW EC 225 A	07262	2550	1310	52	163	1.14	1.14	1149	50	–	6.7	**PU 10**	01734	**PA 10**	01735
Single phase alternating current, 1~, 230 V, 50 Hz, EC motor, protection category IP54															
RDW EC 225 B	07243	3020	1500	60	246	1.06	1.06	1149	50	–	8	**PU 10**	01734	**PA 10**	01735

Performance curves VDW EC 225 A

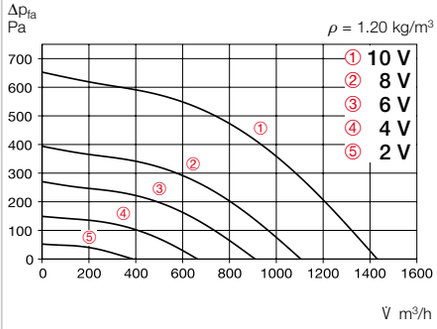
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	68	43	59	61	62	61	60	56
L_{WA}	Outlet side	dB(A)	70	46	61	62	64	64	62	57



Free blowing						
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	2690	1260	150	1.05	53	0.43
8	2160	1000	75	0.60	49	0.27
6	1430	650	25	0.20	40	0.14
4	720	330	5	0.05	27	0.05

Performance curves VDW EC 225 B

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	74	47	65	68	67	67	66	62
L_{WA}	Outlet side	dB(A)	75	50	66	68	69	68	67	63



Free blowing						
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	3020	1430	205	0.9	58	0.52
8	2350	1100	105	0.5	53	0.34
6	1950	910	65	0.3	49	0.26
4	1450	670	35	0.2	43	0.19

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 IP44															
VDW EC 225 A	07241	2500	1260	53	161	1.14	1.14	1149	50	–	7.3	**PU 10**	01734	**PA 10**	01735
Single phase alternating current, 1~, 230 V, 50 Hz, EC motor, protection category IP54															
VDW EC 225 B	07240	3015	1430	58	244	1.06	1.06	1149	50	–	8.5	**PU 10**	01734	**PA 10**	01735