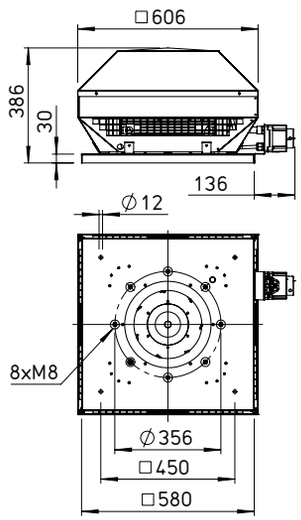
Horiz. outlet RD EC 315



Verti. outlet VD EC 315

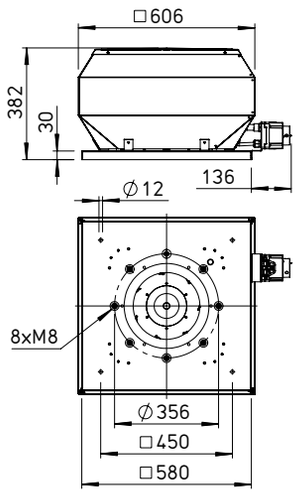


Dimensions RD EC 315



Dim. in mm

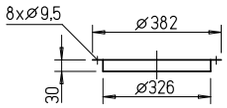
Dimensions VD EC 315



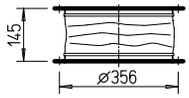
Dim. in mm

Dimensions Accessories for RD EC 315 / VD EC 315

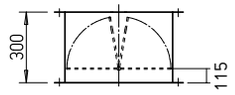
Counter flange
FR 315 Ref. no. 01204



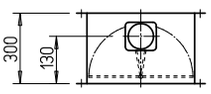
Flanged flexible connector
STS 315 Ref. no. 01221



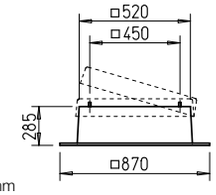
Shutter, automatic
RVS 315 Ref. no. 02594



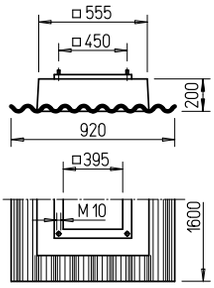
Shutter, motorised
RVM 315 Ref. no. 02578



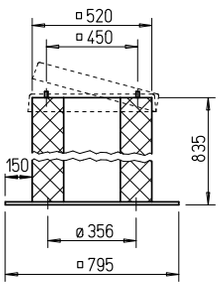
Flat roof base, hinged
FDS 315 Ref. no. 01379



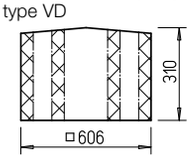
Corrugated roof base, profile 5
WDS 315 Ref. no. 01561



Base silencer, hinged
SSD 315 Ref. no. 05292



Hood silencer
HSDV 315 Ref. no. 07476
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.

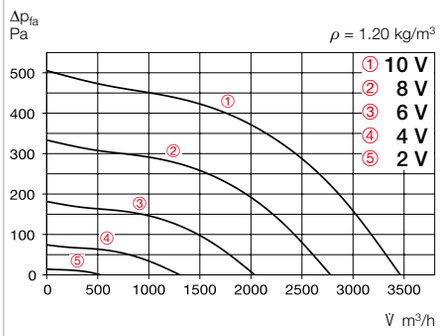
Noise
The total level and range are specified above the performance diagram for:
- ☐ Inlet side sound power
- ☐ Outlet side sound power.

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 315

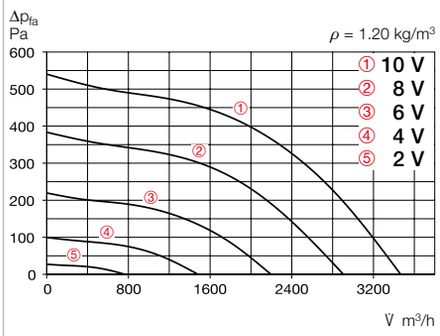
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	70	58	62	64	62	63	62	51
L_{WA}	Outlet side	dB(A)	72	59	66	67	66	62	54	50



Free blowing						
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	1641	3463	316	1.8	55	0.33
8	1325	2779	169	1.0	50	0.22
6	973	2039	72	0.5	44	0.13
4	621	1309	25	0.2	34	0.07

Performance curves RDD EC 315

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	70	57	61	63	61	62	61	50
L_{WA}	Outlet side	dB(A)	72	59	65	66	65	61	53	50

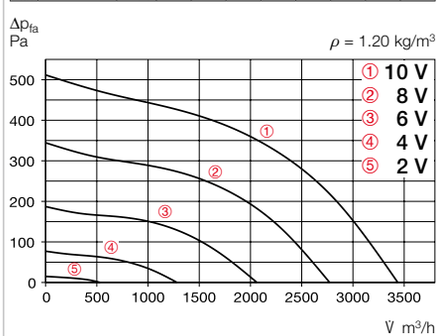


Free blowing						
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	1700	3460	380	0.65	55	0.40
8	1430	2900	240	0.45	51	0.30
6	1040	2100	110	0.25	44	0.19
4	670	1350	45	0.15	35	0.12

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 315	07306	1650	3465	55	450	2	2	1149	40	–	18	**PU 24**	01736	**PA 24**	01737
Three phase current, 3~, 400 V, 50 Hz, EC motor, protection category IP54															
RDD EC 315	07314	1700	3484	54.5	460	1.0	0.9	1148	60	–	21.3	**PU 24**	01736	**PA 24**	01737

Performance curves VDW EC 315

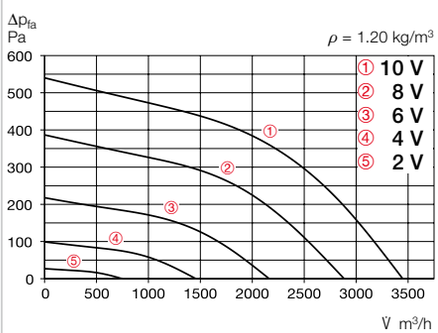
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	72	61	66	66	65	64	59	53
L_{WA}	Outlet side	dB(A)	77	67	68	68	72	67	60	53



Free blowing						
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	1645	3441	316	1.80	55	0.33
8	1329	2783	176	1.04	50	0.23
6	990	2060	76	0.48	44	0.13
4	612	1276	23	0.19	35	0.07

Performance curves VDD EC 315

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Inlet side	dB(A)	75	64	69	69	68	67	62	56
L_{WA}	Outlet side	dB(A)	80	70	71	71	75	70	63	56



Free blowing						
Voltage V	**n** min⁻¹	**V̇** m³/h	**P** W	**I** A	**Lp** dB(A)	**SFP** kW/m³/s
10	1700	3420	370	0.69	55	0.39
8	1430	2890	240	0.50	51	0.30
6	1040	2090	110	0.25	44	0.19
4	655	1320	45	0.15	35	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 315	07304	1650	3440	55	450	2	2	1149	40	–	17.2	**PU 24**	01736	**PA 24**	01737
Three phase current, 3~, 400 V, 50 Hz, EC motor, protection category IP54															
VDD EC 315	07312	1700	3453	54.5	460	1.0	0.9	1148	60	–	21.5	**PU 24**	01736	**PA 24**	01737