HQ 200



HW 200



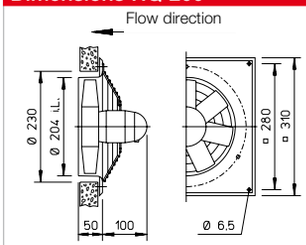
HS 200



HRF 200

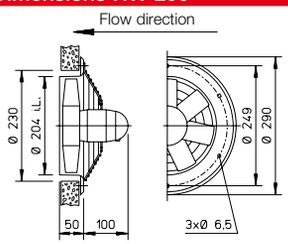


Dimensions HQ 200



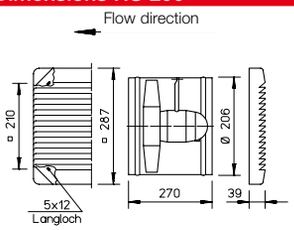
Dim. in mm

Dimensions HW 200



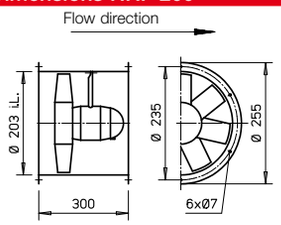
Dim. in mm

Dimensions HS 200



Dim. in mm

Dimensions HRF 200



Dim. in mm

Description for all types

Casing
Made of galvanised steel sheet, types HQ and HW have additional two layer lacquer coating in papyrus white.

Impeller
High performance characteristics with profiled blades made of plastic, dynamically balanced.

Drive
Closed casing made of die-cast aluminium. Protection category IP54, ball bearing mounted. Maintenance-free and radio interference-free. Winding with moisture proof coating. See type table for max. air flow temperature.

Motor protection
Through built-in thermal contacts wired in series with the winding, automatic deactivation and reactivation after cool down.

Electrical connection
Standard terminal box (IP54) on back of motor. Additionally on outside of duct for HRF types.

Protection grille
Made of powder-coated steel for HQ and HW, and plastic for HS. In accordance with DIN EN ISO 13857.

Power control
All types can be controlled through voltage reduction (electronic or via transformer). The flow rates are shown in the performance diagram.

Reverse operation
All types are reversible using a DSEL switch. Performance reduction of approx. 1/3 in abnormal flow direction.

Installation
Installation possible in any position, but be aware of any condensate drain holes depending on usage.

Noise levels
See performance diagram. The sound power and sound pressure at 1 m distance under free field conditions are specified for the average operating point on the inlet/outlet side. See page 14 f for noise emissions and room acoustics.

Reference	Page
Techn. description	190
Selection table	191
Planning information	14 ff.

Special design
Different voltage, protection category, air flow direction, higher air flow temperature, acid protection and impeller in other materials upon request.

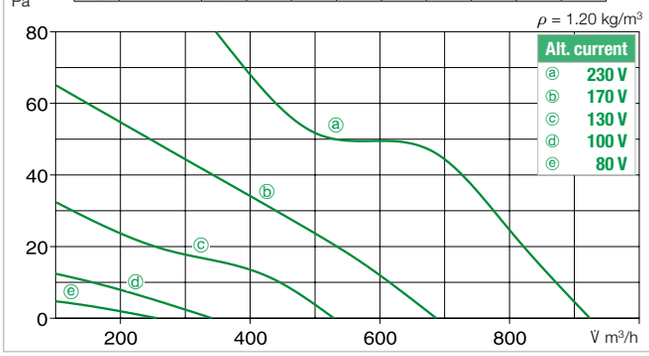
The technical information on p. 19 ff. must be observed.

Speed	Flow rate free-blowing	Power consump.	Current consump.		Wiring diagram	Max. air flow temp.		Weight net aprx.	Design type							
			at rated voltage	max. with control		at rated voltage	with control		**HQ** incl. protection grille	Ref. no.	**HW** incl. protection grille	Ref. no.	**HS** incl. protection grille	Ref. no.	**HRF**	Ref. no.
min^{-1}	V̇ m^3/h	W	A	A	No.	+ °C	+ °C	kg								
Single-phase alternating current.230 Volt, 50 Hz, Capacitor motor, protection category IP54																
1360	520	25	0.11	0.11	439[1)]	60	40	3.8	**HQW 200/4**	07537	**HWW 200/4**	07538	**HSW 200/4**	07502	**HRFW 200/4**[1)]	07540
2250	930	66	0.26	0.31	439[1)]	40	40	2.7	**HQW 200/2**	00960	–		**HSW 200/2**	07503	**HRFW 200/2**[1)]	00199

[1)] Type HRFW: Connection according to wiring diagram no. 962.

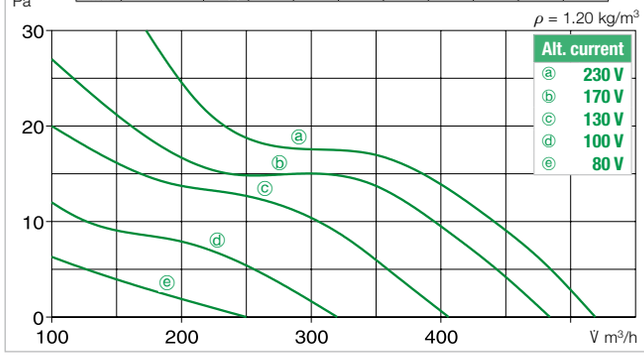
Performance curves 200/2

Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Air noise	dB(A)	63	33	50	59	59	54	53	45
$L_{PA,1m}$	Air noise	dB(A)	55	25	42	51	51	46	45	37

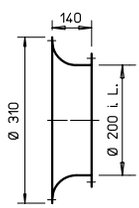


Performance curves 200/4

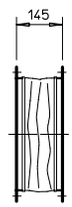
Frequency		Hz	Tot.	125	250	500	1k	2k	4k	8k
L_{WA}	Air noise	dB(A)	50	32	38	42	44	44	41	33
$L_{PA,1m}$	Air noise	dB(A)	42	24	30	34	36	36	33	25



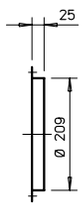
Accessories for HRF 200 Description see page 278 ff.



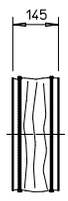
Intake nozzle
ASD 200
No. 01388



Flanged flexible connector
STS 200
No. 01219



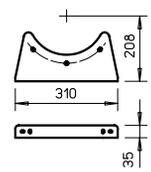
Counter flange
FR 200
No. 01202



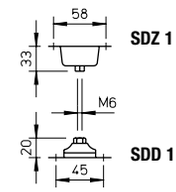
Flexible connecting sleeve
FM 200
No. 01670



Protection grille duct side
SG 200
No. 01216



2 mounting brackets
1 x MK 200
(= 2 pcs)
No. 01446



4 vibration dampers for tensile load
1 x SDZ 1 (= 4 Pc) No.01454
4 vibration dampers for compression load
1 x SDD 1 (= 4 Pc) No.01452

	Transformer speed controller 5-step		Electronic speed controller, continuously variable flush-m./surface-m.		Reverser switch		Electronic speed controller with reverser switch	
	Type	Ref. no.	**Type**	Ref. no.	**Type**	Ref. no.	**Type**	Ref. no.
	TSW 0.3	03608	**ESU 1 / ESA 1**	00236/00238	**DSEL 2**	01306	**BSX**	00240
	TSW 0.3	03608	**ESU 1 / ESA 1**	00236/00238	**DSEL 2**	01306	**BSX**	00240

Other accessories **Page**

Extension sleeve for HS VH 200 Ref. no. 01349
Cylindrical pipe section, galvanised steel, 15 cm long.

Filters and silencers 483 ff.
shutters and ventilation grilles 563 ff.
Speed controllers, controllers and switches 601 ff.