

HQ 560



Also available in version:



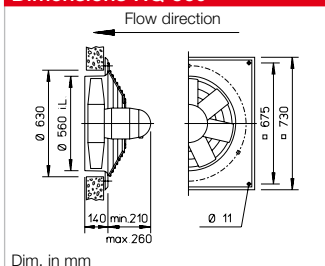
HRF 560



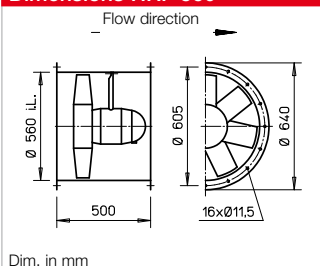
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Dimensions HQ 560



Dimensions HRF 560



Description for all types

■ Casing

Made of galvanised steel sheet. Type HQ has additional two layer lacquer coating in papyrus white. Explosion-proof types have no lacquer coating.

■ Impeller

High performance characteristics with profiled blades made of plastic, dynamically balanced. Different for explosion-proof types.

■ Drive

Closed die-cast aluminium casing. Protection category IP55. Ball bearing mounted. Maintenance-free and radio interference-free. Winding with moisture proof coating. See type table for max. air flow temperature. Different for explosion-proof types.

■ Motor protection

All types (except for explosion-proof, see page 190) are equipped with thermal contacts. These should be wired with the motor protection circuit breaker (see type table) for effective motor protection.

■ Electrical connection

Standard terminal box (IP55) on back of motor. Additionally on outside of duct for HRF types. Different for explosion-proof types.

■ Protection grille

Made of powder-coated steel wire for HQ (Ex types galvanised). In accordance with DIN EN ISO 13857.

■ Power control

The voltage-controllable types are identified in the "Current consumption max. with control" column with a value which must be observed when determining the controller (see speed controller column). Possible assignments of frequency inverters to fans are shown in the type table. The planned use of a frequency inverter without a sine filter should be indicated when placing the order. This requires a change of fan version and additional costs, if necessary. The flow rates are shown in the performance diagram.

■ Reverse operation

All types are reversible using a reverser 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.

■ Dimensions

Pole-changeable and explosion-proof types may differ from the above information.

■ Noise levels

See performance diagram. The sound power and sound pressure at 4 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. Different for explosion-proof types.

Speed	Flow rate free-blowing	Power consump.	Current consump.		Wiring dia- gram	Max. air flow temp.		Weight net aprx.	Design type				Frequency inverter with integrated sine filter	Transformer speed con- troller 5-step, pole chan- ging switch, speed ch., pole changing switch		
			at rated voltage	max. with control		at rated voltage	with control		HQ incl. prot. grille	Ref. no.	HRF	Ref. no.		Type	Ref. no.	Type
min ⁻¹	V m³/h	W	A	A	No.	+ °C	+ °C	kg								
Single-phase alternating current 230 Volt, 50 Hz, Capacitor motor, protection category IP55																
935	8130	0.27	1.40	2.00	475 ¹⁾	60	40	24.0	HQW 560/6	00385	HRFW 560/6 ¹⁾	00380	—	MWS 3 ²⁾	01948	
1370	12180	0.89	4.15	5.00	965	60	40	31.0	HQW 560/4	05054	HRFW 560/4	05055	—	MWS 7.5 ²⁾	01950	
Three-phase current, 400 Volt, 50 Hz, Squirrel-cage rotor, protection category IP55																
965	8180	0.28	0.79	1.00	469	60	40	26.0	HQD 560/6	00386	HRFD 560/6	00381	FU-BS 2.5 ²⁾	05459	RDS 2 ²⁾	01315
1365	12250	0.88	1.71	1.80	469	40	40	29.0	HQD 560/4	00387	HRFD 560/4	00382	FU-BS 2.5 ²⁾	05459	RDS 2 ²⁾	01315
Pole-changeable, 2 speeds, three-phase current, Dahlander winding, 400 Volt, 50 Hz, protection category IP55															Pole changing switch	
470/955	4000/8130	0.089/0.298	0.55/0.74	—	472	60	—	24.0	HQD 560/12/6	00389	HRFD 560/12/6	00384	—	PDA 12 ²⁾	05081	
720/1365	6400/12130	0.20/0.92	0.80/1.77	—	472	40	—	26.0	HQD 560/8/4	00388	HRFD 560/8/4	00383	—	PDA 12 ²⁾	05081	
  Explosion-proof, II 2G Ex h IIB + H ₂ T3 Gb, Motor Ex e, three-phase current 400 Volt, 50 Hz, protection category IP55																
925	8090	0.25*	0.80*	—	470	40	—	23.0	HQD 560/6 Ex	00378	HRFD 560/6 Ex	00376	—		Not permitted	
1445	12890	0.75*	3.20*	—	470	40	—	24.0	HQD 560/4 Ex	00379	HRFD 560/4 Ex	00377	—		Not permitted	

* For Ex types: Motor ratings see information on page 20.

¹⁾ Type HRFW: Connection according to wiring diagram no. 965.

²⁾ Incl. motor protection circuit breaker.

³⁾ Flush-m. version see Switch product page.

