COLLECTIVE MECHANICAL EXHAUST VENTILATION

NEW

ErP READY

VTR

Roof Fan

2 models of fans:
airflows from 0 m³/h up to 700 m³/h,
pressures up to 420 Pa.

- Automatic adjustment of work parameters
- Electronically commutated EC motor
- Compatible with HIGRO® products
- Motor placed on vibration isolators

High-quality roof fan

There are two models of VTR with capacities from 0 m³/h up to 700 m³/h which are used in mechanical, exhaust ventilation. The roof fan has vertical air ejection. The VTR fans are designed for installation in new and renovated buildings.

Construction

The VTR fan is equipped with an electronically commutated EC motor (brushless), single-phase 230 V, 50 Hz. The motors are adapted to smooth speed control in the full range. The housing of the fan are made of galvanized sheet steel, while the top cover is powder coated.

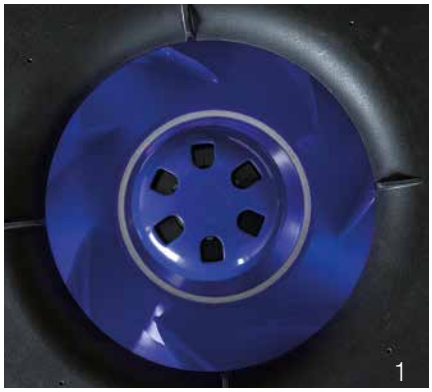
Automatic adjustment

The automatic HD integrated with the VTR fan adjusts the fan speed to the degree of opening of HIGRO® air inlets and exhaust units. This means that the electronic system reduces the fan speed at low flow, taking into account the lower air flow resistance in the duct and increases the fan speed at increased air flow caused by the open exhaust units.

Automatic adjustment of operating parameters reduces the current consumption by the fan.

Easier maintenance

VTR fans have a cover allowing direct access to the motor for impeller cleaning. The cover is easy to open it is mounted on four screws. The automatic HD contains integrated switch allows for maintenance work.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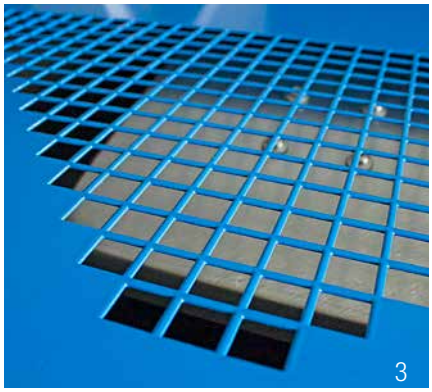
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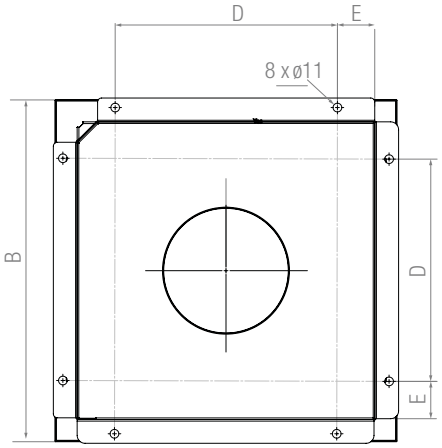
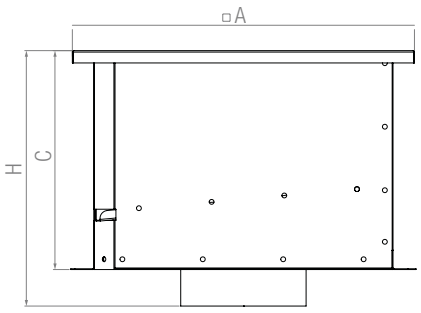
VTR Roof Fan

Standard code		VTR-71-HD-EX	VTR-72-HD-EX
Airflow characteristics			
Max. airflow	m^3/h	400	700
Max. pressure	Pa	320	420
Acoustics			
Sound power level of the fan emitted to the suction line total value	dB(A)	56	61
Electrics			
Power supply		230 VAC / 50 Hz	230 VAC / 50 Hz
Motor type		synchronous single-phase	synchronous single-phase
Max power consumption	W	170	170
Suggested type of connection cabel		YKY or OWY 3x1,5	YKY or OWY 3x1,5
Required type of protection		overcurrent	overcurrent
Characteristics			
Weight	kg	11	12,2
Colour		metal, top cover 5015	metal, top cover 5015
Material (main)		galvanized sheet steel	galvanized sheet steel
Dimensions A-B-H-C-D-E	mm	430-430-325-280-280-47	430-430-385-340-280-47
Installation			
Inlet	mm	ø160	ø200
Power box		on the fan	on the fan
Installation		outside installation only in horizontal position; device requires leveling during installation, due to integrated with drip tray; the fan connect trough elastic connectors or through the SAS silencer; doesn't use the additional vibration isolator	
Maintenance			
Integrated switch allows for maintenance work		contains	contains
Cleaning		easy-to-open cover (4 screws)	easy-to-open cover (4 screws)
Operation			
Direct-drive impeller		■	■
Max. speed	RPM	3930	3230





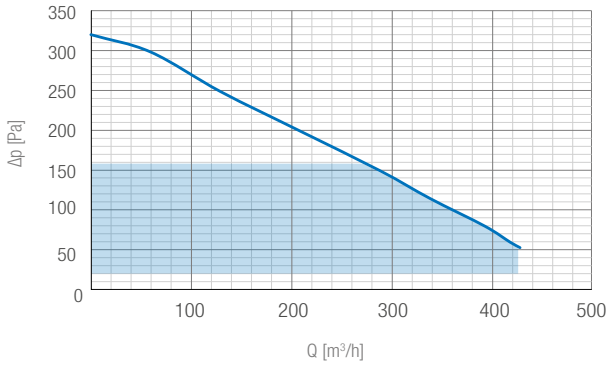
VTR-71-HD-EX

Roof Fan
airflows 0 – 400 m³/h

Monophase exhaust fan
Roof fan with vertical ejection
The mechanical, exhaust ventilation
New and renovated buildings

Flow characteristics

Reference standard ISO 5801



Suggested work area

Airflow curve

Acoustic characteristics

Sound power level of the fan emitted to the suction side.

Frequency (Hz)	125	250	500	1000	2000	4000	8000	Total value [dB(A)]
L_w	41	46	50	50	50	45	38	56

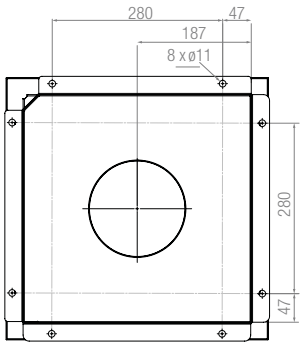
Developed in accordance with ISO 5136 and ISO 3741.

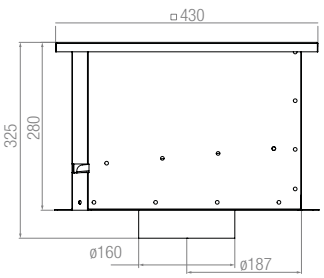
Electrical characteristics

- electronically commutated motor EC
- monophase current supply 230 V – 50 Hz
- current intensity max. 1,7 A
- suggested type of connection cable – YKY lub OWY 3 x 1,5
- required type of protection – overcurrent

Dimensions

[mm]





VTR-72-HD-EX

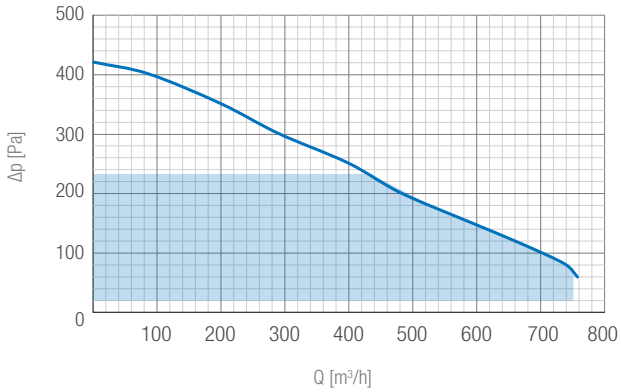
Roof Fan

airflows 0 – 700 m³/h

Monophase exhaust fan
Roof fan with vertical ejection
The mechanical, exhaust ventilation
New and renovated buildings

Flow characteristics

Reference standard ISO 5801



Suggested work area

Airflow curve

Acoustic characteristics

Sound power level of the fan emitted to the suction line.

Frequency (Hz)	125	250	500	1000	2000	4000	8000	Total value [dB(A)]
L_w	47	53	53	55	55	50	43	61

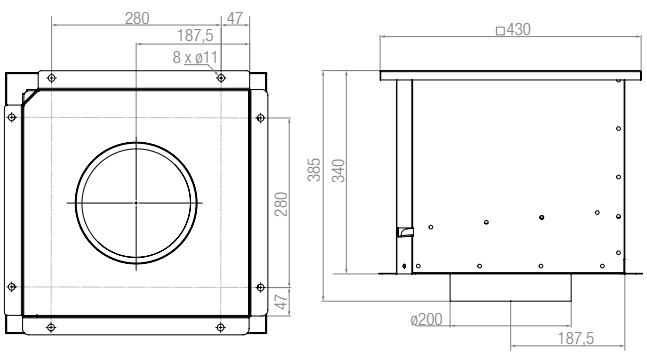
Developed in accordance with ISO 5136 and ISO 3741.

Electrical characteristics

- electronically commutated motor EC
- monophase current supply 230 V – 50 Hz
- current intensity max. 1,7 A
- suggested type of connection cable – YKY lub OWY 3 x 1,5
- required type of protection – overcurrent

Dimensions

[mm]



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