



DVS Roof Fans

Centrifugal roof fan with vertical discharge



- DVS is the non-insulated version
- DVSI is the insulated version with acoustic and thermal insulation 50 mm
- Extensive range of accessories
- Available with AC motors for 50 and 60Hz

[Find more details in our online catalogue](#)

Flexibility

The DVS/DVSI fans are intended to use for **extract** air with **vertical discharge**.

The fans are designed to handle high air volumes at medium pressure without generating excessive noise.

Reliability

The casing made out of **seawater resistant aluminium** with an inside **galvanised steel frame** is hard-wearing. This makes the fan also suitable for coastal applications.

The combination of casing and motor construction ensures to minimize the need for maintenance of the fans and allows long **continuous operation**.

Performance

The **sound optimized** impellers together with **high efficient** external rotor motors are designed to ensure high-level performance to **minimize power consumption** and **maximize efficiency**.

Accessories

DVS/DVSI fans can be selected together with variety types of **accessories** as roof sockets, tilting devices, dampers, etc.

Features

Construction

The **Casing** is made out of **sea water resistant aluminium**. **Base frame** manufactured from **galvanised steel** with integrated inlet cone. Integrated bird guard manufactured from powder coated, galvanised steel.

DVSI is with **50 mm mineral wool acoustic and thermal insulation**.

Impeller

The DVS/DVSI fans use **radial** impeller with **backward curved blades**. These are out of high-performance composite material or aluminum (from Size 710), dynamically **balanced** and paired with corresponding **AC external rotor** motors.

Motor

DVS/DVSI fans are designed with **AC motors**. Motors are suitable for **50Hz** and **60Hz**.

Motor protection

Depending on the type, **AC** motors have an **integrated** thermal protection with manual (electrical) reset, prewired integral **thermocontact TK** or **thermistor PTC** with leads to a **motor protection device**.

Control

The **AC motors** can be controlled by **5-step, stepless** speed regulator, **D/Y** switch or **frequency converter**.

Installation

The DVS/DVSI are for **outside installation**.

Technical parameters

Nominal data

Voltage (nominal)	400	V
Frequency	50	Hz
Phases	3~	
Input power	2,032	W
Input current	3.99	A
Impeller speed	1,386	rpm
Air flow	max 11,251	m³/h
Temperature of transported air	max 60	°C
Max temperature of transported air, when speed controlled	60	°C

Protection/Classification

Enclosure class, motor	IP54
Insulation class	F

Data according to ErP

ErP ready	ErP 2018
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Dimensions and weights

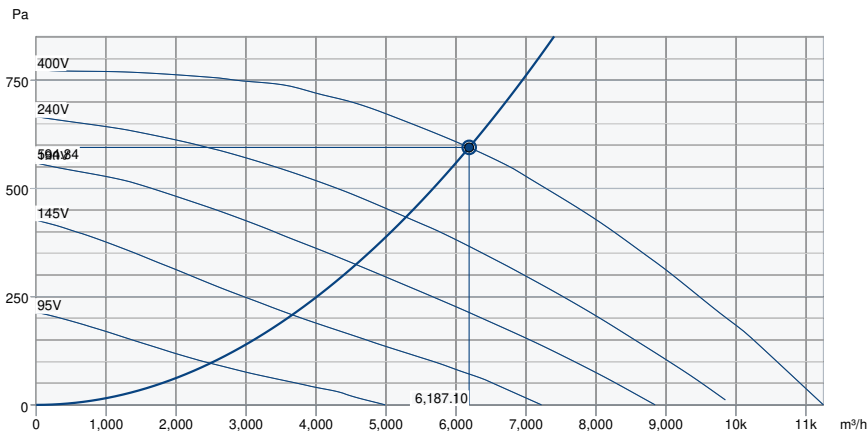
Weight	72	kg
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Others

Motor type	AC
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Performance

Performance curve



Hydraulic data

Required air flow	6,188 m³/h
Required static pressure	595 Pa
Working air flow	6,187 m³/h
Working static pressure	595 Pa
Air density	1.204 kg/m³
Power	2,002.9 W
Fan control - RPM	1,388 rpm
Current	3.98 A
SFP	1.165 kW/m³/s
Control voltage	400.0 V
Supply voltage	400 V

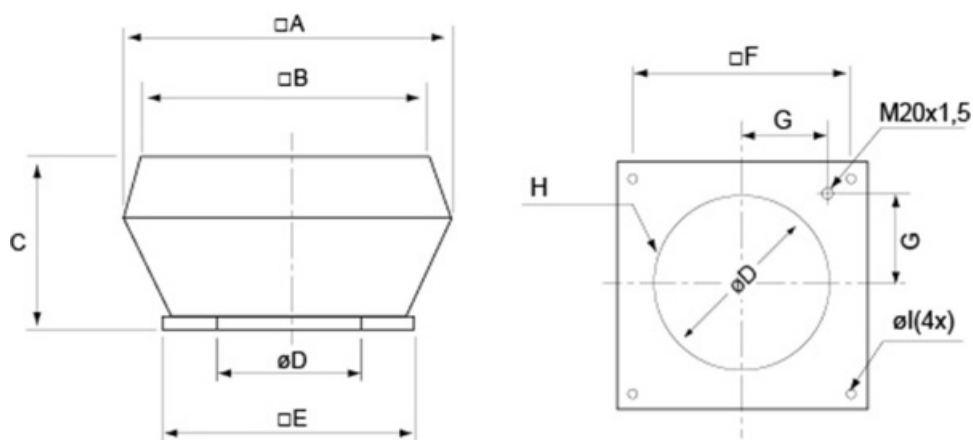
Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	59	65	69	74	76	71	64	56	79
Outlet	dB(A)	61	66	70	75	77	72	66	58	81

Accessories

Ecodesign

Product			
Trade name		Systemair	
Product name		DVS 560DV sileo	
Ecodesign			
ErP compliance		2018	
Unit category		NRVU	
Drive		External MSD or VSD	
Unit type		UVU	
Heat recovery type		None	
Temperature ratio (UVU)		Not applicable	
qv nom		1.7186	m³/s
P nom		2.003	kW
Ps nom		595	Pa
Fan efficiency		51.1	%
External Leakage		0	%
Sound power (LWA)		81	dB(A)

Dimension

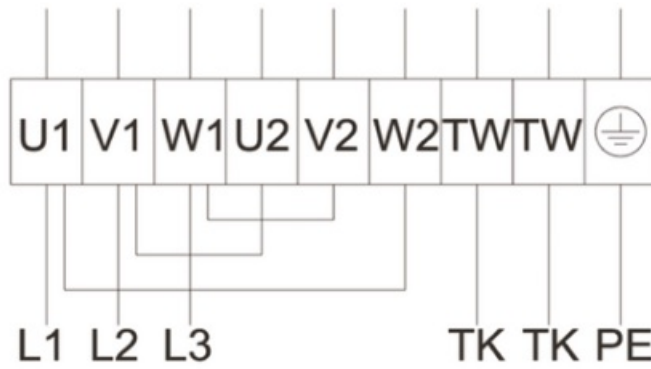


* diameter D refers to scREW-hole-circuit H

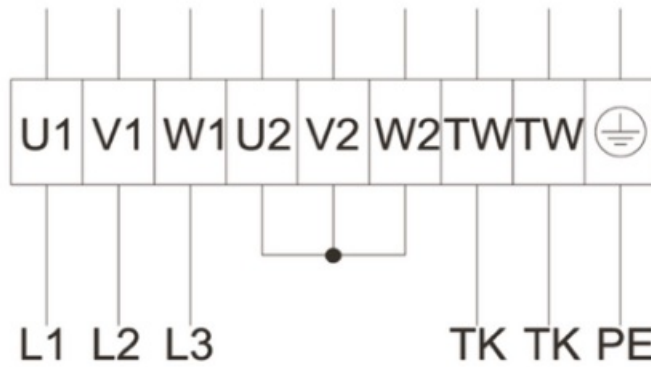
DVS/DVS sileo	A	B	C	øD	E	F	G	H	øI
560-630	1150	960	560	605	939	750	293	8xM8	14(4x)

Wiring

Delta connection



Star connection



Accessories

- ASF 560/630 inlet flange DVS (9570)
- ASS 560/630 flex. inl.con. DVS (9577)
- Frequency converter FRQS-4A (36231)
- Motor protect. switch S-DT 16E (161207)
- REV-9POL/12-7,5kW R/Y (33981)
- RTRDU 4 Speed contr. Systemair (5946)
- STD 16E Motor Protection (5153)
- TDA DV 560/630 Adapter (304815)
- DTV500A (96807)
- Presence detector/IR24-P (6995)
- SDS 560/630 slant. roof socket (3781)
- T 120 Timer (5165)
- FDS-L 560/630 flat roof socket (95283)
- TG 940-1200 Roof Curb (5090)
- VKS 560/630 Back draft damper (9545)
- REV-9POL/12-7,5kW B/G (281743)
- ASK 560/630 inflow box SSD (300908)
- Frequency converter FRQ5S-4A (36233)
- Motor protect. switch S-DT 16 (161206)
- REV-5POL/07-7,5kW R/Y (33980)
- RTRD 4 Speed cont. Systemair (5942)
- SSD 560/630 socket silencer (9564)
- Step switch S-DT2SKT, Y/D (2697)
- CO2RT-R-D Transmitter (6993)
- MicroREX D21 Plus Time Switch (17822)
- RT 0-30 Room Thermostat (5151)
- SSS 560 slant. socket silencer (30079)
- FDS 560/630 flat roof socket (9552)
- FTG 560/630 Tilting device (30509)
- VKM 560/630 Back draft damper (9557)
- REV-5POL/07-7,5kW B/G (281742)

Documents

- [MANUAL_ROOF_FANS_EN_001_.PDF](#)
- [EU DECLARATION OF CONFORMITY_ROOF FANS_EN_004.PDF](#)

Specification