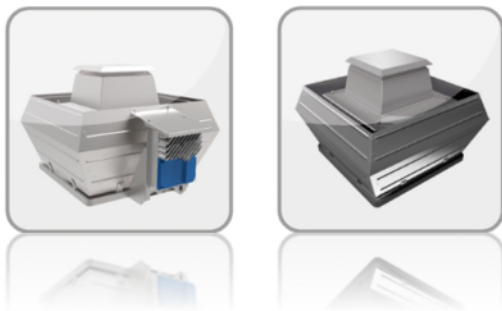


Roof Fans with IEC standard motor DVNF... / DVN...



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DVNF(S) – Roof fans

vertical outlet with IEC standard motor

- vertical version
- easy to install
- weatherproof housing
- Sound absorbing cover (S)
- motor outside of the air stream for higher temperatures
- controllable with frequency converter mounted



Description:

The Rosenberg roof fans of the DVNF(S) series are used for ventilation of department stores, supermarkets, factories, swimming pools, kitchens, dining halls, warehouses, garages, farms and stables. The fans are suitable for mounting on a flat or any shaped roof. The fans can be operated up to 120°C as the motor is out of the air stream.

Application areas:



Casing:



DVNF

Side Panels for vertical discharge and motor hood made of seawater resistant aluminum.

DVNF(S)

Side Panels for vertical discharge and motor hood made of seawater resistant aluminum and with integrated sound attenuation (50mm).

Base frame

Baseframe with integrated inlet cone made of galvanized steel.

Impellers:



DVNF / DVNFS

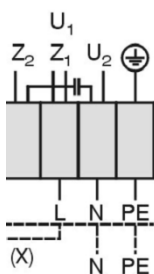
The backward curved impellers mounted of the IEC motor (Size IMB5) are made of aluminum (AlMg3) and are statically and dynamically balanced with the hub according to quality standard G6.3 DIN ISO 21940-11.

Motor and motor protection:



IEC motor according to EN 60034 (IEC 60072). Applicable for use with Variable Frequency Drive (VFD). PTC standard. Protection class IP55. 50/60Hz operation possible. Isolation class F.

Electrical connection:



The electrical connection is mounted on the housing by a frequency converter. Optionally it is possible to mounted a ON/OFF switch on the casing (extra charge).

Installation:



The roof fans are fitted with the required equipment (Flat roof socket, Base for sloping roof, Socket sound absorber and Sound absorber for sloping roof 5-45°) on the roof. The pre-assembled threaded stud allows for easy and effortless installation.

Air volume control:

For more information see accessories!



ERP-Reference (only in the EU):

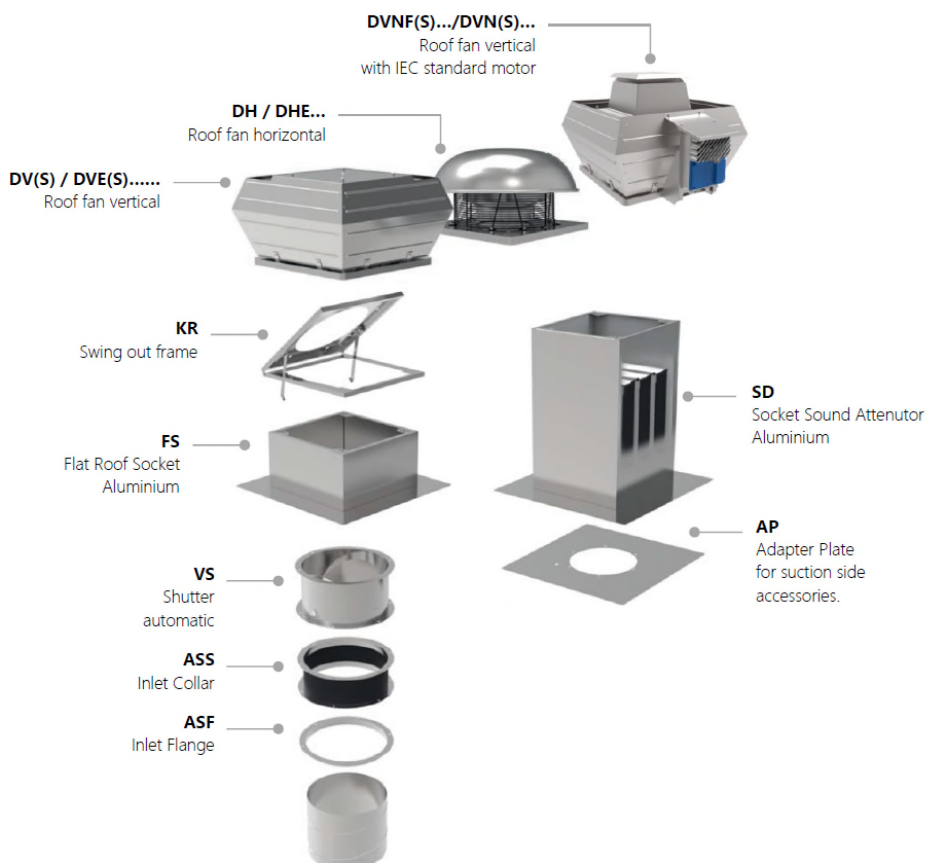
Please note the directives 1253/2014/EU (Lot 6) applying from 01.01.2016 for the ventilation units (ventilation fans). Keyword: „Multi-stage drive" (at least 3 fixed speeds, as well as speed 0 („off"). Suitable control and regulation devices are available as accessories.

Control:

DVNF(S)...E: 230V → via frequency converter mounted

DVNF(S)...D: 400V → via frequency converter mounted

Construction scheme:



Scope of delivery:

- Roof fan (DVNF / DVNFS)
- Documentation

DVN(S) – Roof fans

vertical outlet with IEC standard motor

- vertical version
- easy to install
- weatherproof housing
- Sound absorbing cover (S)
- motor outside of the air stream for higher temperatures



Description:

The Rosenberg roof fans of the series DVN(S) are used for ventilation of department stores, supermarkets, factories, swimming pools, kitchens, dining halls, warehouses, garages, farms and stables. The fans are suitable for mounting on a flat or any shaped roof. The fans can be operated up to 120°C as the motor is out of the air stream.

Application areas:



Casing:



DVN

Side Panels for vertical discharge and motor hood made of seawater resistant aluminum.

DVNS

Side Panels for vertical discharge and motor hood made of seawater resistant aluminum and with integrated sound attenuation (50mm).

Base frame:

Up to size 500

Baseframe with integrated inlet cone made of galvanized steel.

From size 560

Baseframe with integrated inlet cone made of steel and plastic coated.

Impellers:



DVN / DVNS

The backward curved impellers mounted on the IEC motor (Size IMB5) are made of aluminum (AlMg3) and are statically and dynamically balanced with the hub according to quality standard G6.3 DIN ISO 21940-11.

Motor and motor protection:

The devices are delivered as standard with an single-stage IEC standard motor.



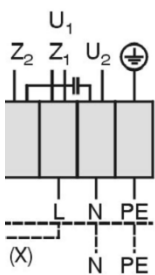
For Size 310...

Voltage controllable AC external rotor motor with exported motor shaft. Maintenance free ball bearings, closed on both sides with long-term lubrication. Motor coated black and/or die casted aluminum. Standard configuration with cable. Motor protection is guaranteed by thermal contacts, which are inlaid into the motor windings. These contacts protect the motor from being overloaded through phase failure, too high medium temperature or locked rotor. Isolation Class F.

From Size 355...

IEC motor according to EN 60034 (IEC 60072). Applicable for use with Variable Frequency Drive (VFD). PTC standard. Protection class IP55. 50/60Hz operation possible. Isolation class F.

Electrical connection:



DVN 310...

The wiring box of the motor is easily accessible. The motor has to be connected according to the wiring diagram and in accordance with valid regulations and local laws. In case of operation with frequency converter please check the operation manual.

From DVN 355...

The wiring box of the motor is easily accessible. The motor has to be connected according to the wiring diagram and in accordance with valid regulations and local laws. In case of operation with frequency converter please check the operation manual.

Installation:



The roof fans are fitted with the required equipment (Flat roof socket, Base for sloping roof, Socket sound absorber and Sound absorber for sloping roof 5-45°) on the roof. The pre-assembled threaded studs allow for easy and effortless installation.

Air control:

For more information see accessories!

ERP-Reference (only in the EU):

Please note the directives 1253/2014/EU (Lot 6) applying from 01.01.2016 for the ventilation units (ventilation fans).
Keyword: „Multi-stage drive" (at least 3 fixed speeds, as well as speed 0 („off"). Suitable control and regulation devices are available as accessories.



5-speed control unit (voltage control variant):

DVN(S) 310L-4 E: 230V = RTE

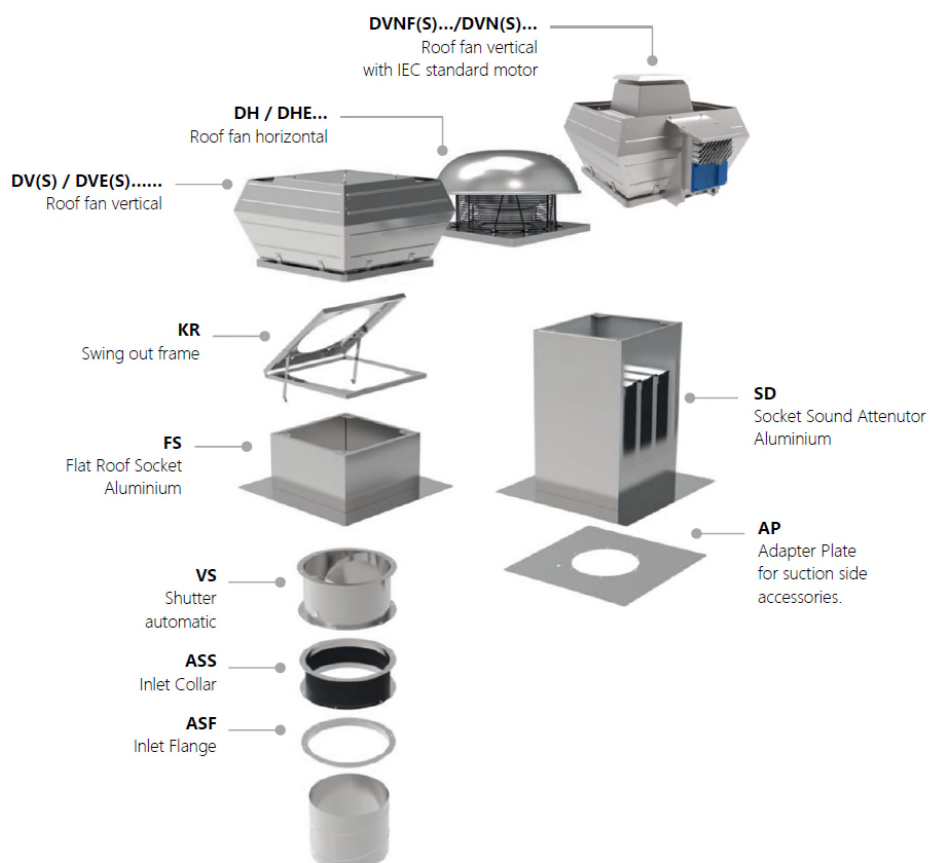
DVN(S) 310L-4 D: 400V = RTD

Infinitely variable control unit: (look at ERP-Reference „Multi-stage drive")

DVN(S)...E: 230V → MSE 1 K (ON/OFF)

DVN(S)...D: 400V → via Frequency converter

Construction scheme:



Scope of delivery:

- Roof fan (DVN / DVNS)
- Documentation