

Roof fan

DTV45041EC2

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Roof fan with vertical exhaust - for extraction. DTV is made from cast aluminium, giving it a high corrosion resistance. DTV can be mounted on roof cowl TGK.



PRODUCT BENEFITS

- High corrosion resistance
- Backward curved blades
- High efficiency
- Low operating costs
- Can be mounted on roof cowl TGK

Product description

DESCRIPTION:

The DTV roof fan is an extraction fan manufactured in cast aluminium, ensuring long-term, problem-free operation. The TGK roof cowl is available for this, ensuring simple and correct ventilation.

The DTV roof fan has a backward-curved B impeller in aluminium with a vertical exhaust, and can be opened for cleaning. DTV is available in 6 sizes: DTV160, -200, -250, -315, -400, and -450.

MOTORS

DTV160 and -200 have a single-phase motor, while the other models have an EC motor.

Get an overview of the individual sizes below.

TEMPERATURE

In normal operation, DTV tolerates temperatures up to 60 °C.

Combustion-gas fan

If there is a need for a certified combustion gas fan, we draw your attention to the SEF roof fan or FSB box fan, described under the product group Fire Safety.

Accessories

Description	Variants
MAC12 constant pressure regulator	MAC12
EFC1P2, Electronical speed regulator	EFC1P2

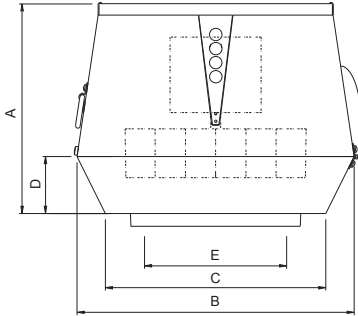
Fan data

Max. Total efficiency (A-D) (%)	57,1
Ventilation energy class - Average climate	C
Efficiency level requirements	62N (2015)
ECO efficiency level during optimal operating point	74,4
EC motor	EC motor with integral VSD
Nominal speed (RPM)	1700
Power supply	1x230 V - 50Hz
Overload protection	Integrated in motor control
Engine power (kW)	1,1

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DTV45041EC2**Dimensional data**

A (mm)	590
B (mm)	650
C (mm)	525
D (mm)	220
E Ø (mm)	400
Weight (kg)	60

**Installation**

DTV fans are designed for use with TGK roof cowls, for simple and optimal installation.

TGK has 4 threaded connectors for fixing the DTV roof fan. Vibration-damping materials are also supplied to ensure that vibrations from DTV are not transferred to the duct system.

The TGK roof cowl is insulated for sound and condensation and has a built-in cable penetration. An AOR anti-backdraught shutter and bracket can be selected as accessories.

Airflow data

Minimum airflow	1050
Max. airflow (m ³ /h)	6300

Electrical datas

Voltage (V)	1x230
Frequency (Hz)	50
Max. current (A)	8
Engine power (kW)	1,1

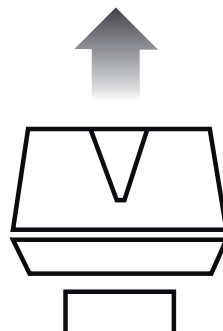
Regulatory data

Ventilation energy class - Average climate	C
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Installation

DESIGN

DTV is made of cast aluminium, which gives it a high corrosion resistance (Corrosion class C4 according to EN ISO 12944-2). It is painted in black RAL 7021, a suitable colour for most roofs.



VERTICAL EXHAUST

DTV roof fan is an extract fan with vertical exhaust.

This prevents soiling of the roof and the downdraught of polluted air. It is also less noisy.



FAN IMPELLER

DTV roof fan is ideal for ventilation tasks requiring efficient and economical ventilation.

The specially developed centrifugal impeller with backward curved blades ensures high efficiency and low operating costs

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SERVICE

DTV roof fan is easy to open for cleaning and maintenance.



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Curve

