

Roof fan

## DTV16041EC

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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

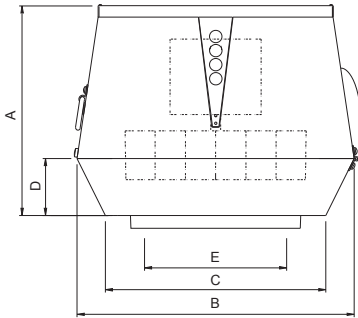
### Fan data

Max. Total efficiency (A-D) (%)	27,7
Ventilation energy class - Average climate	C
Efficiency level requirements	62, N(2015)
ECO efficiency level during optimal operating point	62,7
Nominal speed (RPM)	1400
Power supply	1x230 V - 50Hz
Overload protection	Integral thermal cutout (TP211) in motor power circuit
Engine power (kW)	0,04

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**DTV16041EC**  
**DTV16041EC****Dimensional data**

A (mm)	250
B (mm)	310
C (mm)	240
D (mm)	70
E Ø (mm)	160
Weight (kg)	11

**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	60
Max. airflow (m <sup>3</sup> /h)	320

**Electrical datas**

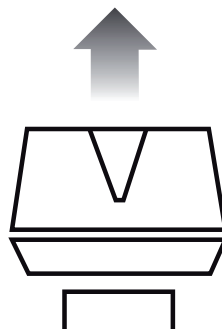
Voltage (V)	1x230
Frequency (Hz)	50
Max. current (A)	0,2
Engine power (kW)	0,04

**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.



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

TKG 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 TKG 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.

#### Curve

