

DRD 18 EC



Short description

Centrifugal roof fan with EC motor, DN 180

Application examples

Production facility, Workplace, Commercial premises, Industrial building, Restaurant

Article number 0087.0170

Technical data

Air flow volume	950 m³/h
Rotating speed	1.990 1/min
Impeller type	radial
Speed controllable	✓
Reversing capacity	–
Type of voltage	Alternating current
Rated voltage	230 V
Frequency	50 Hz
Nominal output	85 W
I _{max}	0,69 A
Degree of protection	IP 54
Installation site	Roof
Installation position	vertical
Material	Aluminium
Weight	7,1 kg
Nominal size	180 mm
Width	480 mm
Height	270 mm
Depth	480 mm
Airstream temperature at I _{Max}	-25 °C up to 60 °C
Packing unit	1 piece
Range	E
GTIN (EAN)	4012799871705

Sound power level in octave range

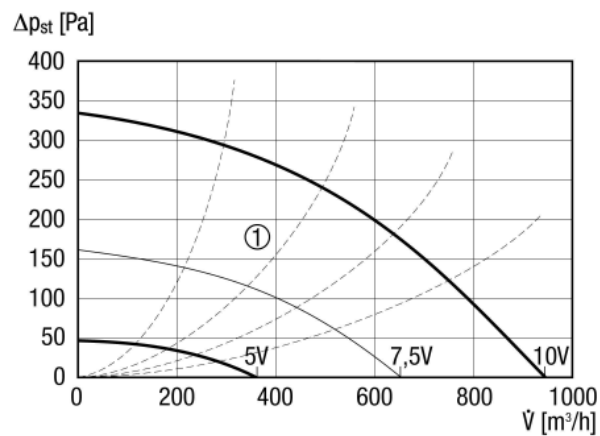
	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L _{WA5, high} (dB(A))	–	–	–	–	–	–	–	–	64

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	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
$L_{WA6, \text{high}}$ (dB(A))	–	–	–	–	–	–	–	–	72

L_{WA5} = free inlet sound power level in dB.

L_{WA6} = free outlet sound power level in dB.

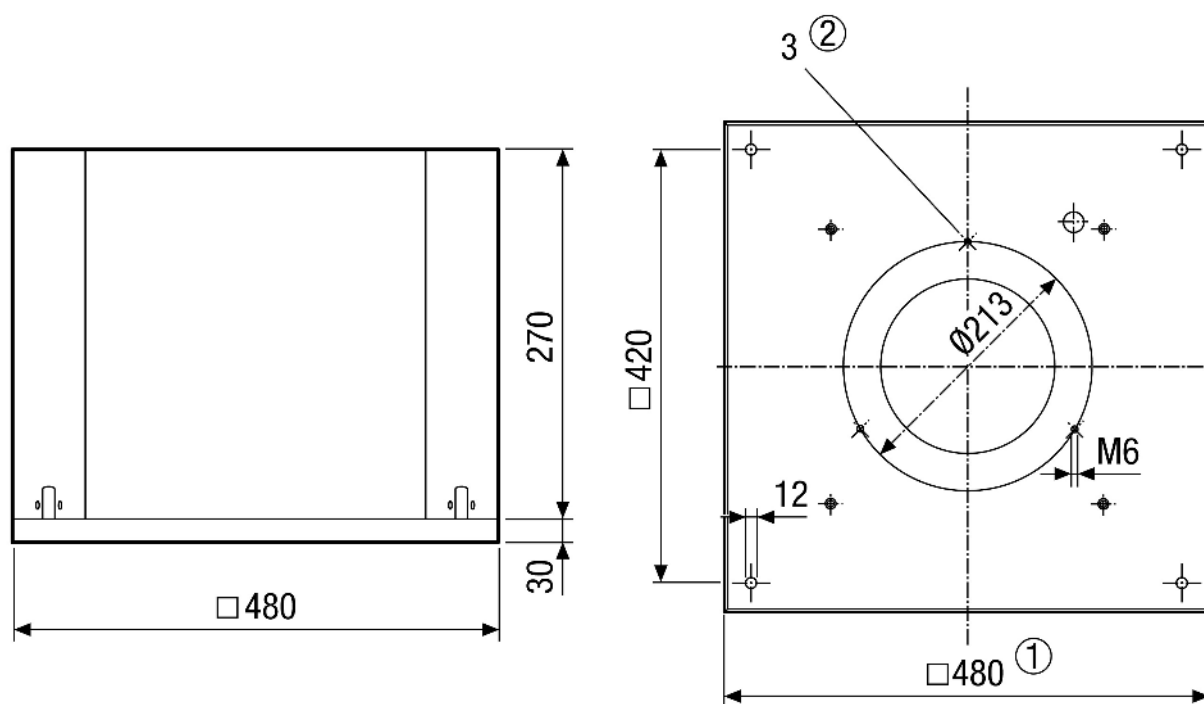
Characteristic curve

① Auxiliary characteristics curves for control voltage 5 - 10 V

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Dimensioned drawing [mm]



- ① Clear width
② Number of holes: 3

DRD 22 EC



Short description

Centrifugal roof fan with EC motor, DN 224

Application examples

Production facility, Workplace, Commercial premises, Industrial building, Restaurant

Article number 0087.0171

Technical data

Air flow volume	2.125 m³/h
Rotating speed	1.840 1/min
Impeller type	radial
Speed controllable	✓
Reversing capacity	–
Type of voltage	Alternating current
Rated voltage	230 V
Frequency	50 Hz
Nominal output	165 W
I _{max}	1,3 A
Degree of protection	IP 54
Installation site	Roof
Installation position	vertical
Material	Aluminium
Weight	9,3 kg
Nominal size	224 mm
Width	520 mm
Height	331 mm
Depth	520 mm
Airstream temperature at I _{Max}	-25 °C up to 60 °C
Packing unit	1 piece
Range	E
GTIN (EAN)	4012799871712

Sound power level in octave range

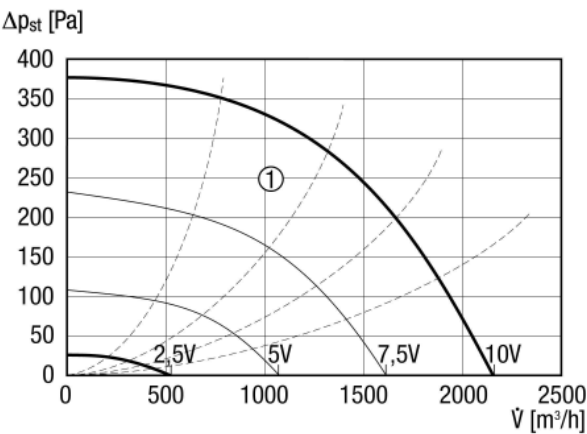
	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L _{WA5, high} (dB(A))	–	–	–	–	–	–	–	–	73

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	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
$L_{WA6, high}$ (dB(A))	–	–	–	–	–	–	–	–	77

L_{WA5} = free inlet sound power level in dB.
 L_{WA6} = free outlet sound power level in dB.

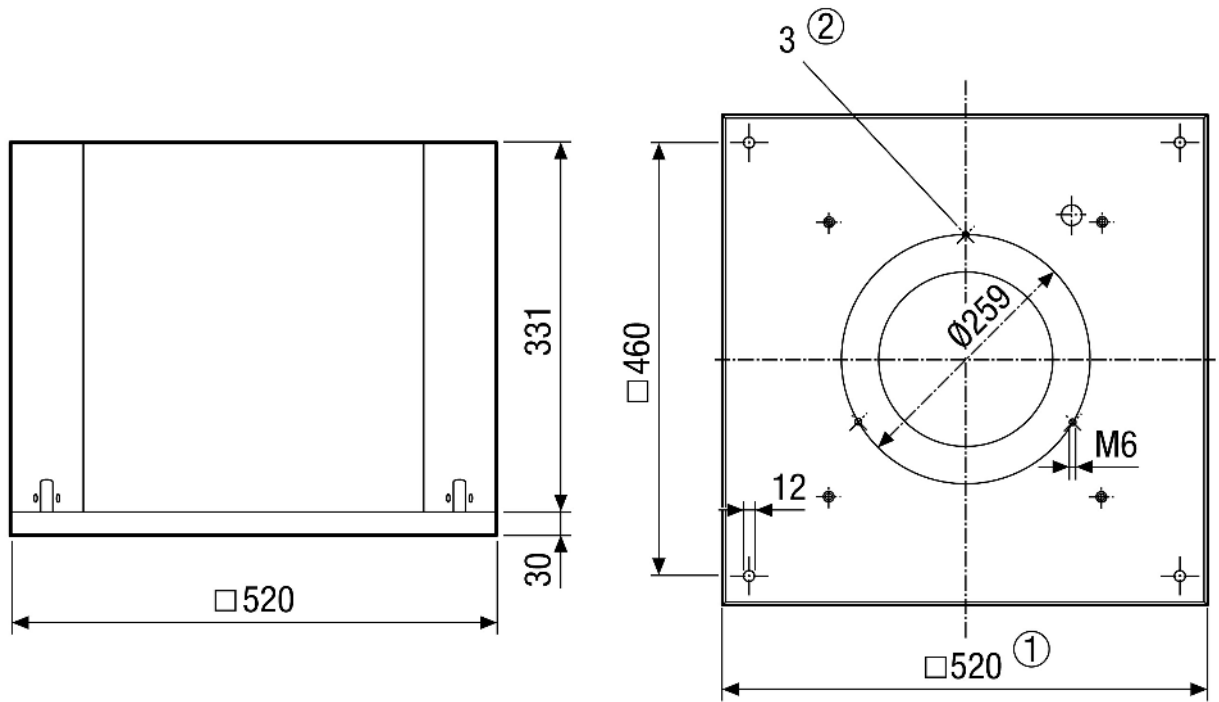
Characteristic curve



① Auxiliary characteristics curves for control voltage 2.5 - 10 V

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Dimensioned drawing [mm]



- ① Clear width
- ② Number of holes: 3

DRD 31 EC



Short description

Centrifugal roof fan with EC motor, DN 315

Application examples

Production facility, Workplace, Commercial premises, Industrial building, Restaurant

Article number

0087.0172

Technical data

Air flow volume	3.500 m³/h
Rotating speed	1.570 1/min
Impeller type	radial
Speed controllable	✓
Reversing capacity	–
Type of voltage	Alternating current
Rated voltage	230 V
Frequency	50 Hz
Nominal output	370 W
I _{max}	1,65 A
Degree of protection	IP 54
Installation site	Roof
Installation position	vertical
Material	Aluminium
Weight	15,8 kg
Nominal size	315 mm
Width	630 mm
Height	400 mm
Depth	630 mm
Airstream temperature at I _{Max}	-25 °C up to 60 °C
Packing unit	1 piece
Range	E
GTIN (EAN)	4012799871729

Sound power level in octave range

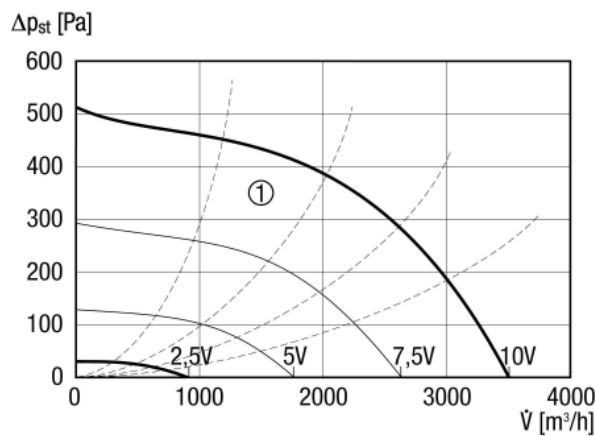
	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L _{WA5, high} (dB(A))	–	–	–	–	–	–	–	–	74

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	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
$L_{WA6, high}$ (dB(A))	–	–	–	–	–	–	–	–	75

L_{WA5} = free inlet sound power level in dB.
 L_{WA6} = free outlet sound power level in dB.

Characteristic curve

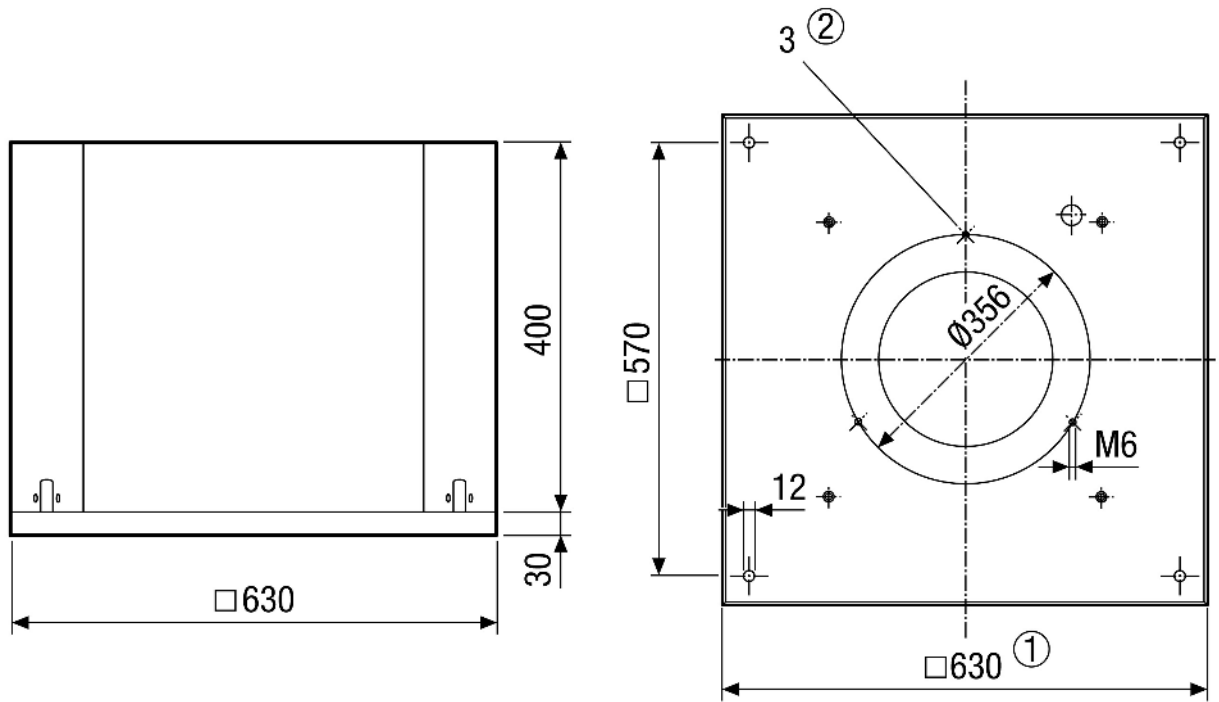


① Auxiliary characteristics curves for control voltage 2.5 - 10 V

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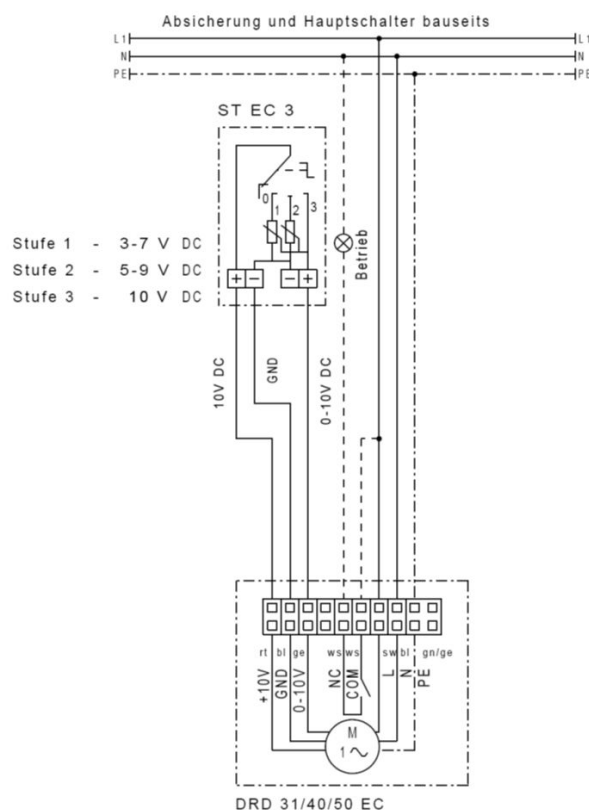
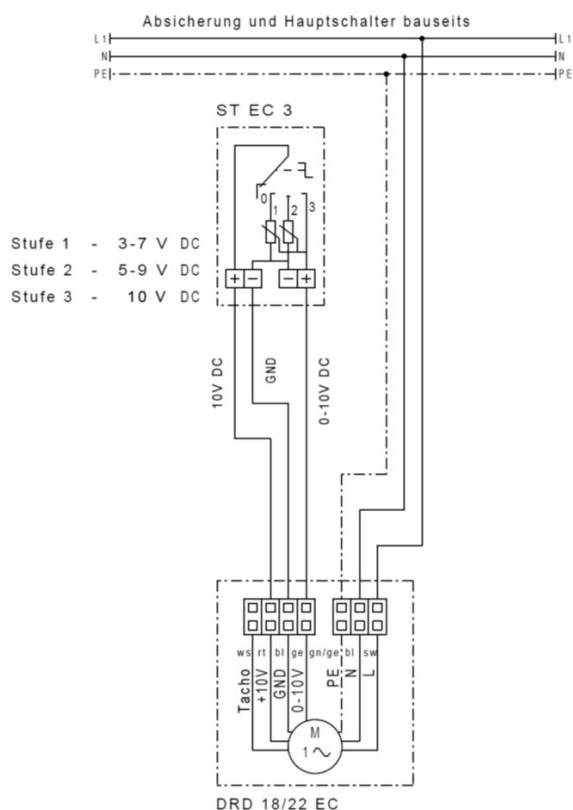
Dimensioned drawing [mm]



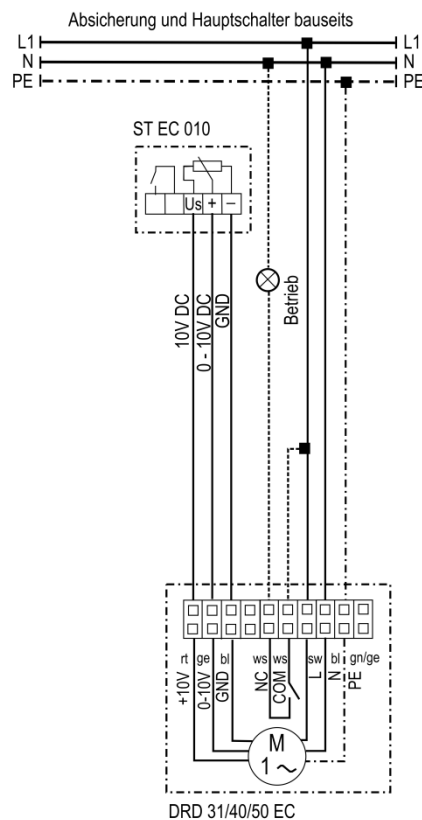
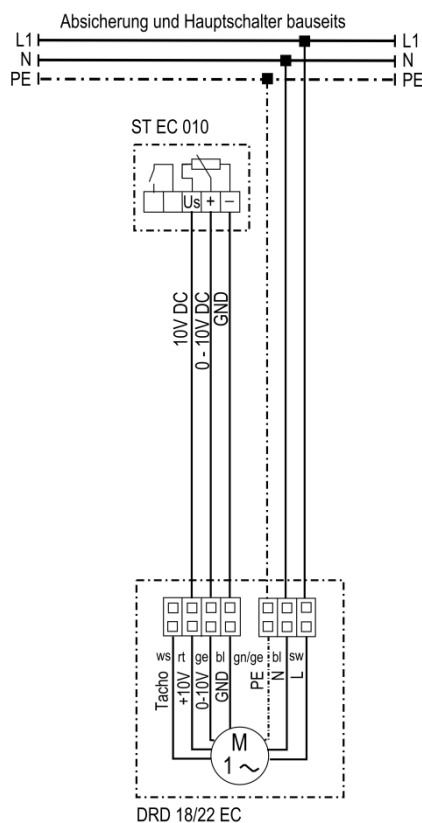
- ① Clear width
- ② Number of holes: 3

Installation instructions

6.2 Version with EC 3



6.3 Version with EC 010



Installation instructions

6.4 Version with EC 230

