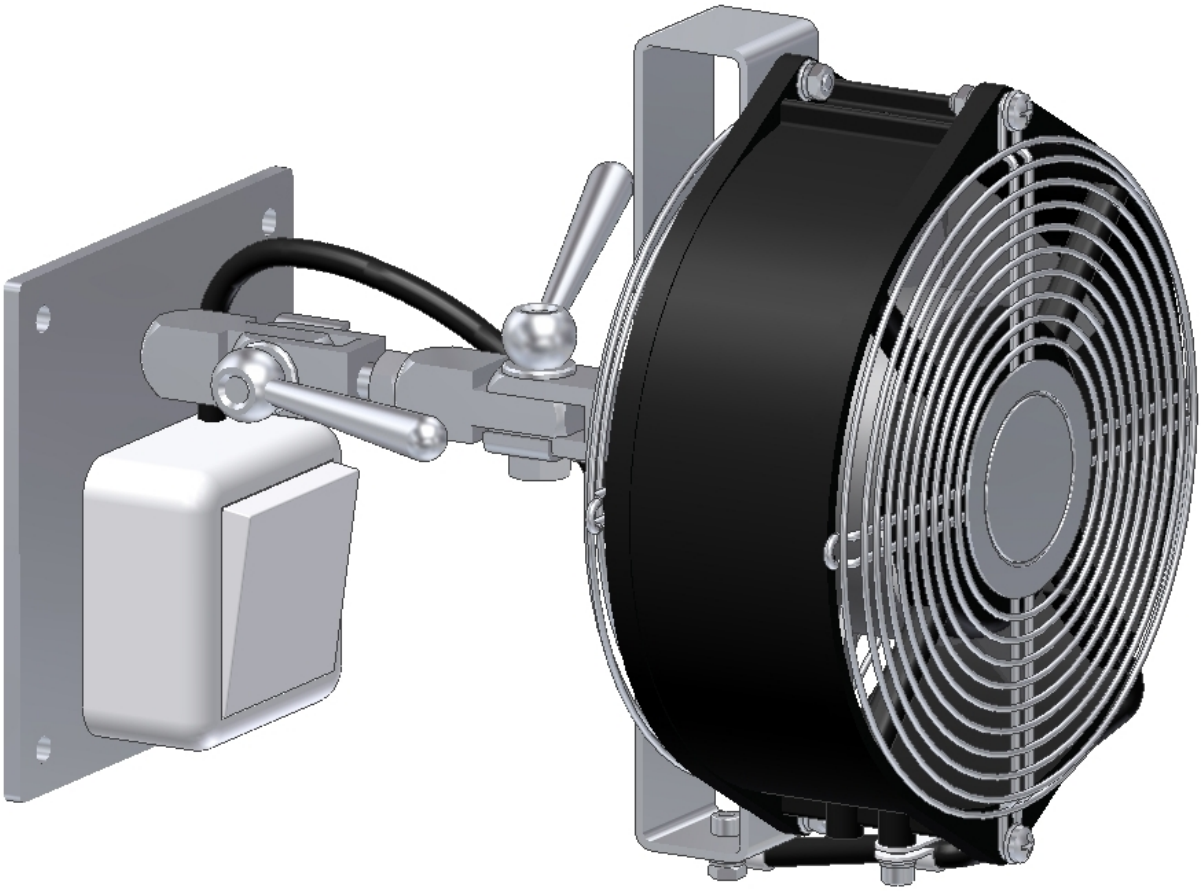
DC AXIAL FLOW FAN



RC-KV-7210N-VAR.413 *110 VDC*

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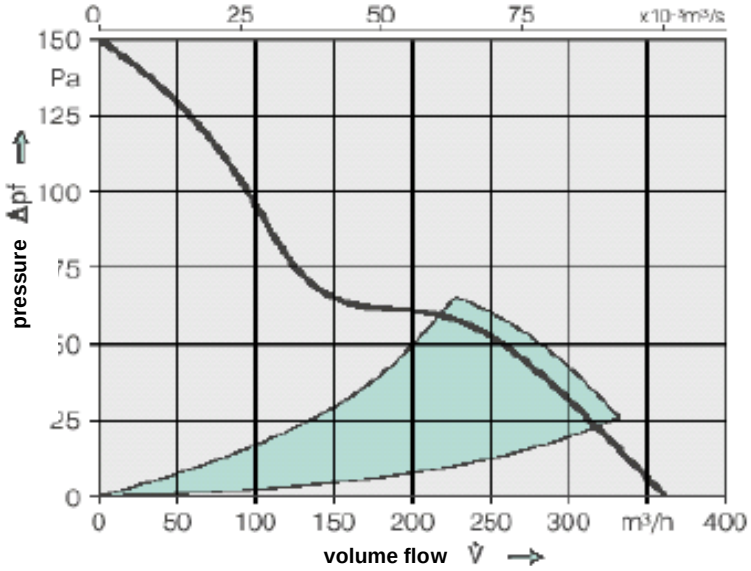
Characteristics @ 110 V:	Type	RC-KV-7210N-VAR.413
	Nominal voltage	110 V DC
	Voltage range	75 … 135 V DC
	Power consumption	17 W
	Current consumption	160 mA
	Pressure over volume flow	see performance curve
	Max. flow rate	360 m^3/h
	Rated speed	3050 min^{-1}
	Sound pressure level	50 dB (A)
	Max. adm. ambient operating temperature	-25 to +65°C
	Fan weight	1.5 kg
Technical Description:	Electrical connection	two strands AWG 22, TR 64
	Bearings	maintenance-free ball bearings
	Expected service life (40°C)	70,000 operating hours, at 40°C ambient temperature
	Expected service life (T_{max})	30,000 operating hours at T_{max}
	Motor construction type	voltage-controllable direct current external rotor motor
	Fan casing	metal, colour-coated, black
	Impeller	material: PA 6.6
	Fan rack	material: stainless steel, A2
	Direction of rotation	counter-clockwise (viewed from the rotor side)
	Direction of movement	blowing via the webs

Particularities:

State-of-the-art semiconductor technology allows for application within a broad operating voltage range.
Commutation electronics are completely integrated into the fan hub.
Volume flow and noise level are adjustable by change of the operating voltage within the permissible voltage range.
The axial flow fan is individually positionable by means of the two fork joints.
The fan is switched on or off by means of the preinstalled change-over switch.

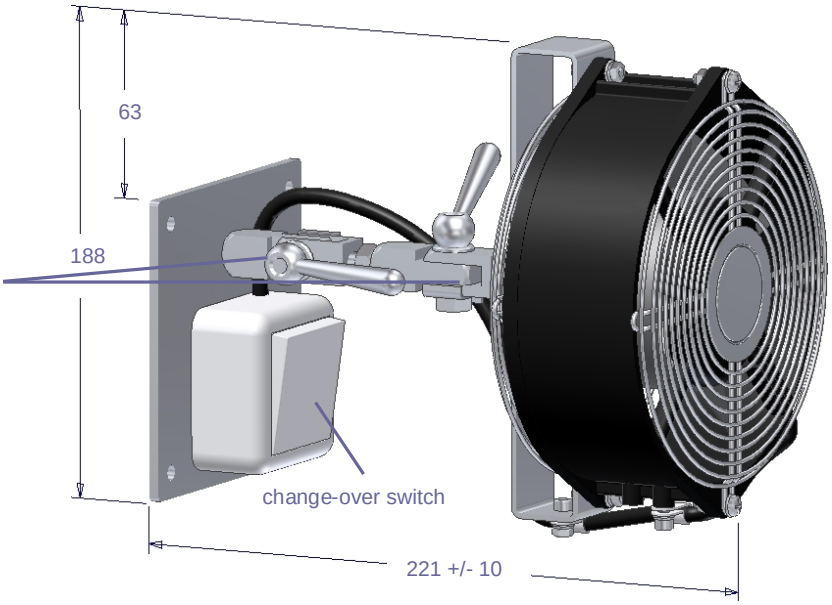
- With reverse polarity and blocking protection
- Autonomous restart after removal of blocking
- Limitation of starting current by means of internal electronics
- Extremely large voltage range
- For a short time: +/- 160 VDC for 1 s, then 2 s break
  +/- 200 VDC for 0.1 s, then 2 s break
- Burst up to 4.4 kV

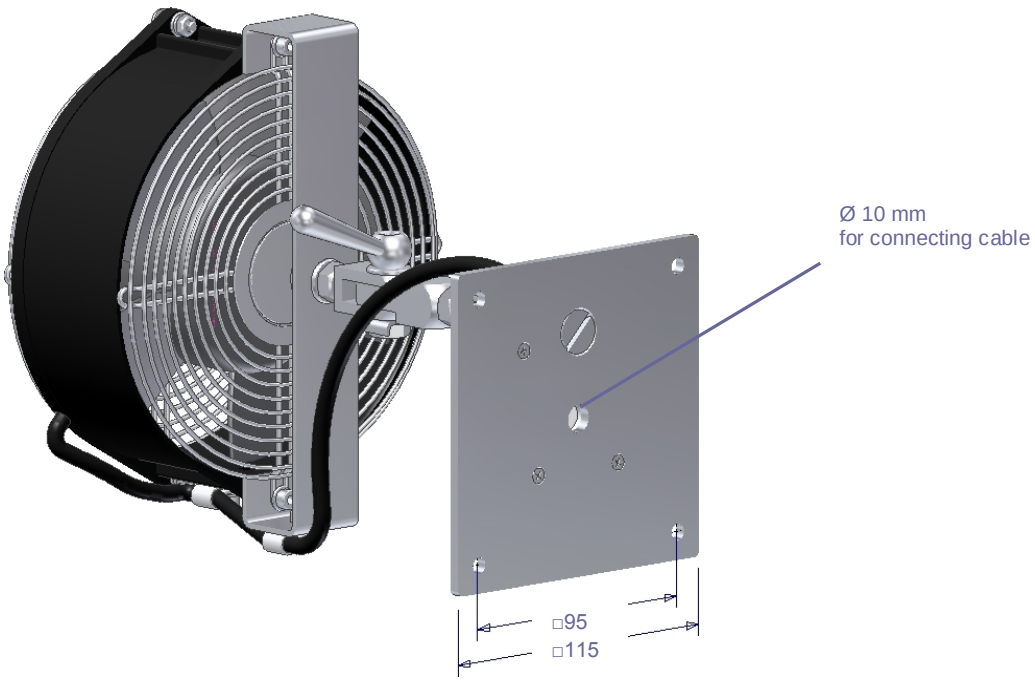
Performance curve:



Dimensional drawing:

By means of the two fork joints the fan is horizontally and/or vertically rotatable by +/-150°.
Thus the axial flow fan is individually positionable.





Specific drawing: