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Nominal data

Type	RG 90-18/14 N	
Nominal voltage	VDC	24
Nominal voltage range	VDC	12 .. 28
Speed (rpm)	min ⁻¹	2200
Power consumption	W	6.2
Min. ambient temperature	°C	-30
Max. ambient temperature	°C	75
Air flow	m ³ /h	55
Sound power level	B	5.5

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
Subject to change



DC centrifugal compact fan

single-intake

Technical description

General description	Forward-curved impeller
Weight	0.440 kg
Dimensions	135 x 135 x 38 mm
Impeller material	Glass-fiber reinforced plastic
Housing material	Scroll housing made of glass-fiber reinforced plastic, housing base made of sheet steel.
Airflow direction	Axial intake, radial discharge from outlet.
Storage	Ball bearing
Service life L10 at 40 °C	62500 h
Service life L10 at maximum temperature	27500 h
Cable	With leads AWG 22, TR 64
Motor protection	Protection against reverse polarity and blocked rotor.
Locked-rotor protection	Locked-rotor and overload protection.
Approval	VDE, CSA, UL, CE
Option	Speed signal



DC centrifugal compact fan

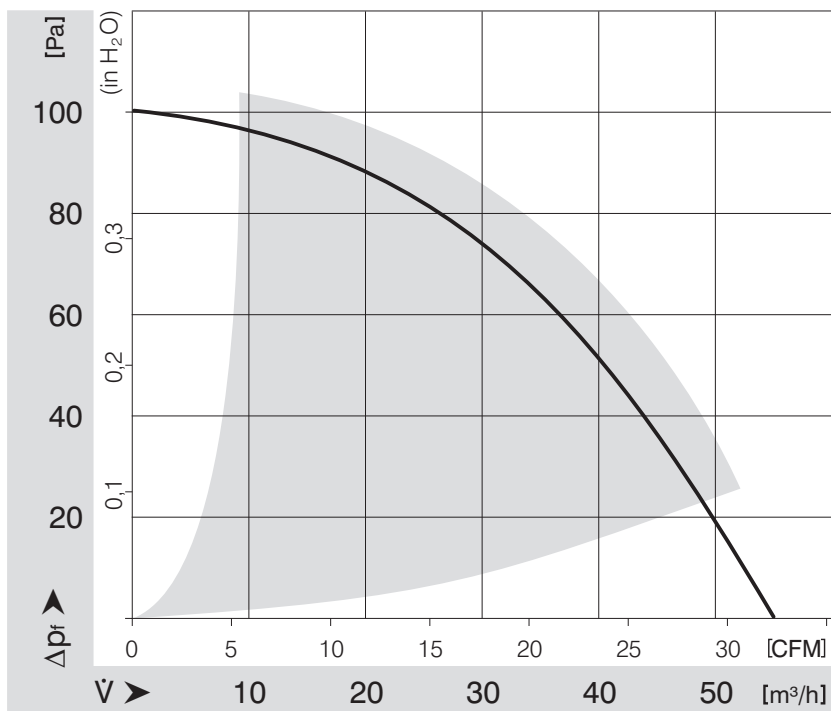
single-intake

Technical drawing of a square duct with a circular fan in the center. The drawing shows a 3D perspective view of the duct with a fan mounted on its front face. The duct has a square cross-section with rounded corners. The fan has a circular frame with a diameter of 80 mm. Various dimensions are provided for the duct's size, fan size, and mounting details.

Dimensions shown in the drawing:

- Top edge width: 38 ± 0.3
- Top edge thickness: 1 ± 0.1
- Top edge depth: 6 ± 0.3
- Right edge width: 32.5 ± 0.2
- Right edge depth: 73.5 ± 0.2
- Bottom edge width: 4.3 ± 0.15
- Bottom edge depth: 4.3 ± 0.15
- Bottom edge thickness: 6 ± 1
- Left edge width: 340 ± 10
- Left edge depth: 6 ± 1
- Front face width: 113.3 ± 0.2
- Front face depth: 122 ± 0.2
- Front face thickness: 135 ± 0.4
- Fan diameter: $\varnothing 80$

Curves: Air performance



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