

RL 90-18/50

# AC centrifugal compact fan

single inlet



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## Nominal data

Type	RL 90-18/50	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50
Speed	min <sup>-1</sup>	2450
Power input	W	20.0
Min. ambient temperature	°C	-10
Max. ambient temperature	°C	50
Air flow	m <sup>3</sup> /h	40
Sound power level	B	5.6

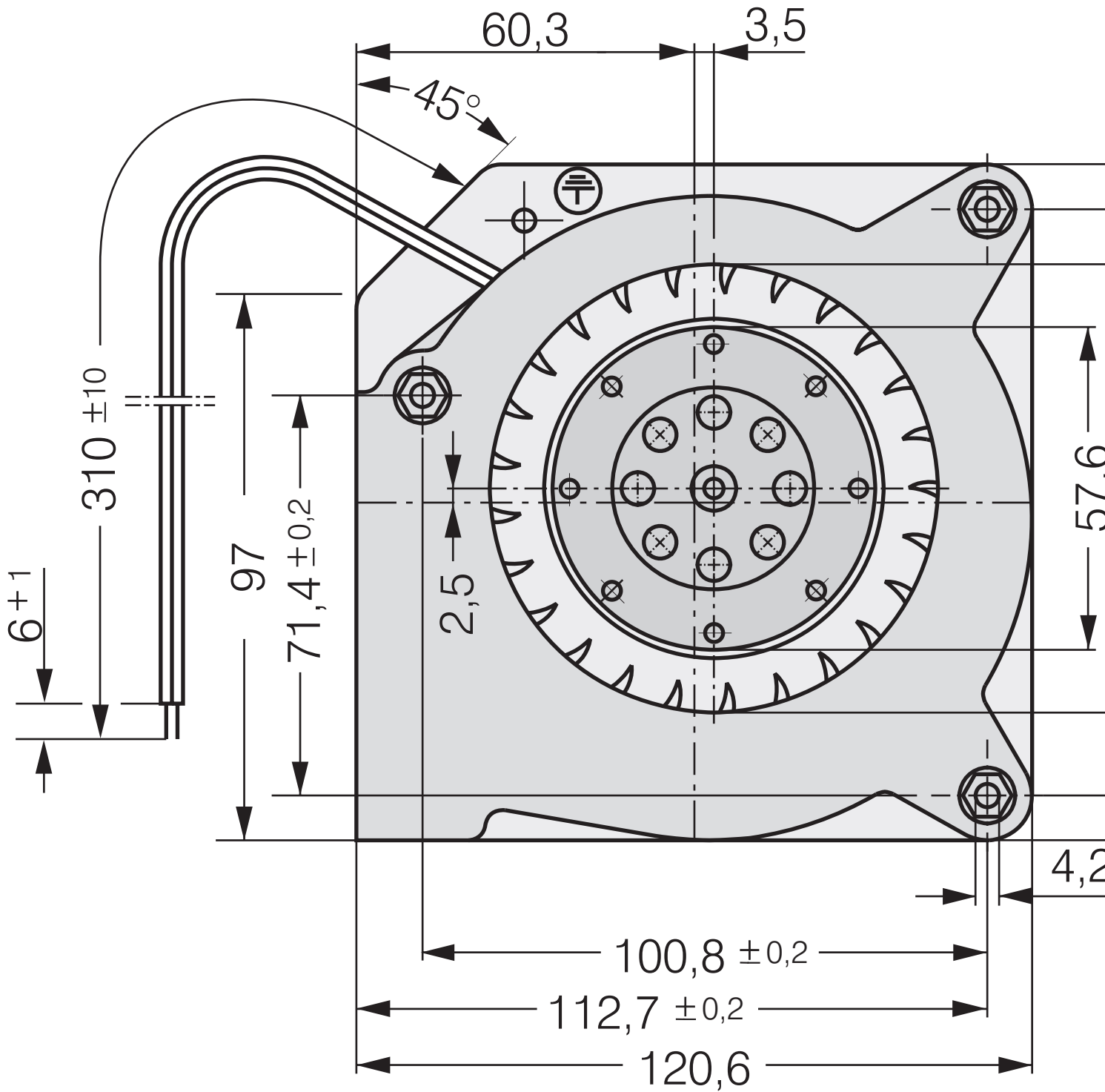
ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit  
Subject to alterations



## Technical features

<b>Dimensions</b>	121 x 121 x 37 mm
<b>General description</b>	AC voltage fan with external rotor motor shaded-pole motor. Protected from overload by impedance protection. Scroll housing and impeller made of fibreglass-reinforced plastic. Housing base of galvanized sheet steel. Housing base with flat plug 6.3 x 0.8 mm for protective earth Centrifugal direction of air flow, air outlet from the housing window. Rotational direction clockwise looking at rotor. Electrical connection to 2 single strands. Strand ends bared and tin-plated. Mass 680 g.
<b>Connection line</b>	2 single strands AWG 18, TR 32
<b>Direction of rotation</b>	Right, looking at rotor
<b>Direction of air flow</b>	Centrifugal, air exhaust out of housing window
<b>Bearing</b>	Sintec sleeve bearing system
<b>Lifetime L10 at 40 °C</b>	37500 h
<b>Lifetime L10 at maximum temperature</b>	30000 h
<b>Mass</b>	0.680 kg
<b>Housing material</b>	Spiral housing of fiberglass-reinforced plastic, housing base of galvanized sheet steel.
<b>Material of impeller</b>	Fiberglass-reinforced plastic
<b>Motor protection</b>	Protected from overload using impedance protection
<b>Approval</b>	VDE, CSA, UL, CE

Product drawing



\*Federmutter M4 oder 8-32UNC. Ein  
Speed nut M4 or 8-32UNC. Screw-i

## Charts: Air flow

