

RL 90-18/12 N

# DC centrifugal compact fan

single inlet



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## Nominal data

| Type                     | RL 90-18/12 N     |         |
|--------------------------|-------------------|---------|
| Nominal voltage          | VDC               | 12      |
| Nominal voltage range    | VDC               | 7 .. 15 |
| Speed                    | min <sup>-1</sup> | 2500    |
| Power input              | W                 | 6.3     |
| Min. ambient temperature | °C                | -30     |
| Max. ambient temperature | °C                | 75      |
| Air flow                 | m <sup>3</sup> /h | 40      |
| Sound power level        | B                 | 5.8     |

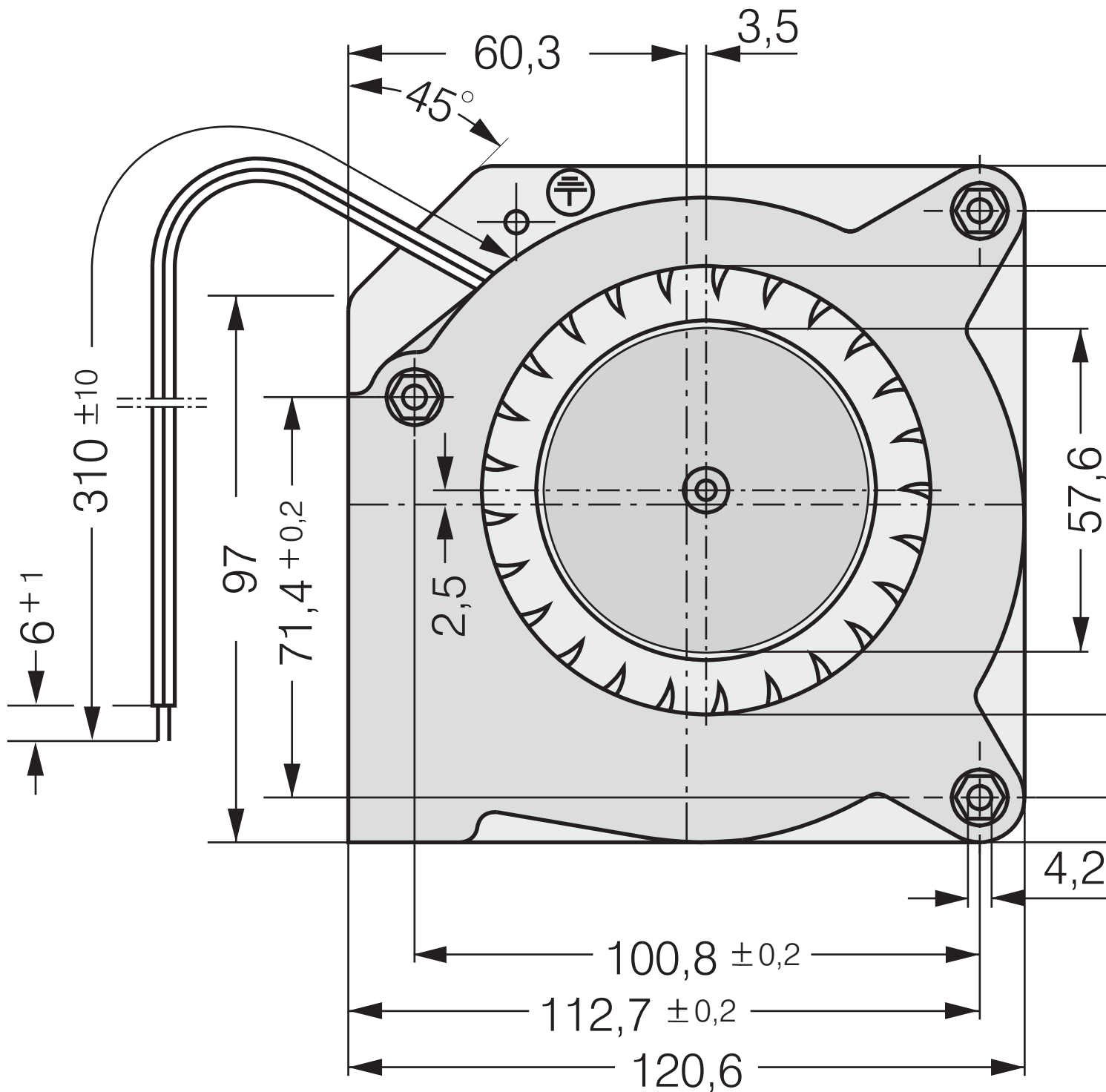
ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit  
Subject to alterations



## Technical features

|                                     |                                                                               |
|-------------------------------------|-------------------------------------------------------------------------------|
| General description                 | Forward-curved impeller                                                       |
| Mass                                | 0.420 kg                                                                      |
| Dimensions                          | 121 x 121 x 37 mm                                                             |
| Material of impeller                | Fiberglass-reinforced plastic                                                 |
| Housing material                    | Scroll housing of fiberglass-reinforced plastic, housing base of sheet steel. |
| Direction of air flow               | Axial air intake, centrifugal air exhaust out of the outlet.                  |
| Bearing                             | Ball bearings                                                                 |
| Lifetime L10 at 40 °C               | 62500 h                                                                       |
| Lifetime L10 at maximum temperature | 27500 h                                                                       |
| Connection line                     | With single strands AWG 22, TR 64                                             |
| Motor protection                    | Protected against reverse polarity and locking.                               |
| Locked-rotor protection             | Blocking and overload protection                                              |
| Approval                            | VDE, CSA, UL, CE                                                              |

## Product drawing



\*Federmutter M4 oder 8-32UNC. Eins

## Charts: Air flow

