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**Nominal data**

| Type                     | 4412 FGL          |         |
|--------------------------|-------------------|---------|
| Nominal voltage          | VDC               | 12      |
| Nominal voltage range    | VDC               | 7 .. 14 |
| Speed (rpm)              | min <sup>-1</sup> | 1600    |
| Power consumption        | W                 | 1.3     |
| Min. ambient temperature | °C                | -20     |
| Max. ambient temperature | °C                | 75      |
| Air flow                 | m <sup>3</sup> /h | 94      |
| Sound power level        | B                 | 3.9     |
| Sound pressure level     | dB(A)             | 26      |

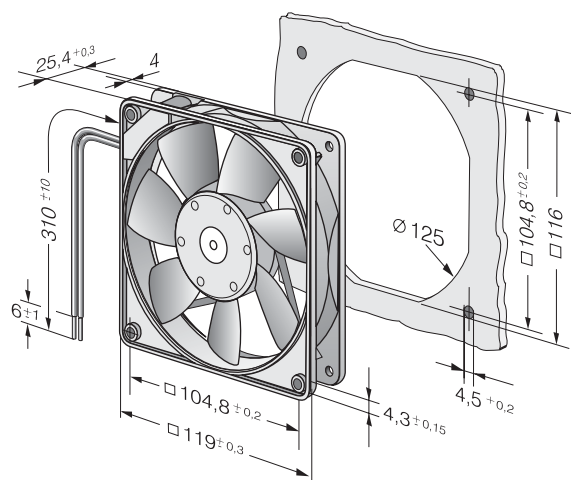
ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment  
Subject to change



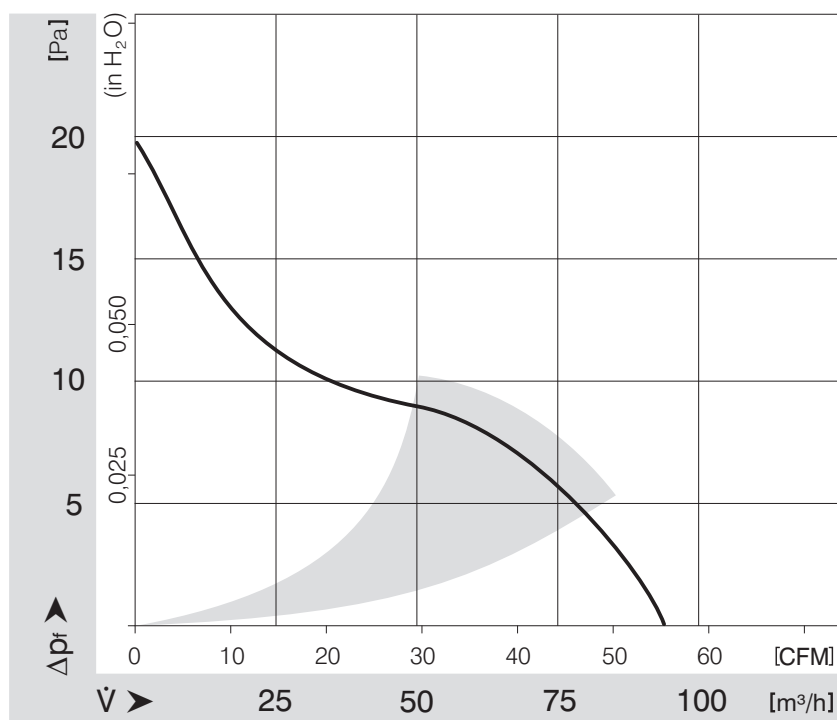
**Technical description**

|                                                |                                                        |
|------------------------------------------------|--------------------------------------------------------|
| <b>Housing material</b>                        | Glass-fiber reinforced PBT plastic                     |
| <b>Impeller material</b>                       | Glass-fiber reinforced PA plastic                      |
| <b>Weight</b>                                  | 0.175 kg                                               |
| <b>Dimensions</b>                              | 119 x 119 x 25 mm                                      |
| <b>Airflow direction</b>                       | Exhaust over struts                                    |
| <b>Direction of rotation</b>                   | Counterclockwise, viewed toward rotor                  |
| <b>Storage</b>                                 | Sintec sleeve bearing                                  |
| <b>Service life L10 at 40 °C</b>               | 80000 h                                                |
| <b>Service life L10 at maximum temperature</b> | 35000 h                                                |
| <b>Cable</b>                                   | Leads AWG 24, TR 64, stripped and tin-plated.          |
| <b>Motor protection</b>                        | Protection against reverse polarity and blocked rotor. |
| <b>Locked-rotor protection</b>                 | Locked-rotor and overload protection                   |
| <b>Approval</b>                                | VDE, CSA, UL, CE                                       |
| <b>Option</b>                                  | Speed signal, alarm signal                             |

## Product drawing



## Curves: Air performance



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