

**ASIA PACIFIC SHENGRUI LIMITED**

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**Nominal data**

| Type                     | 424 JH            |            |
|--------------------------|-------------------|------------|
| Nominal voltage          | VDC               | 24         |
| Nominal voltage range    | VDC               | 16 .. 26,4 |
| Speed (rpm)              | min <sup>-1</sup> | 17250      |
| Power consumption        | W                 | 6.9        |
| Min. ambient temperature | °C                | -20        |
| Max. ambient temperature | °C                | 65         |
| Air flow                 | m <sup>3</sup> /h | 38         |
| Sound power level        | B                 | 6.6        |
| Sound pressure level     | dB(A)             | 54         |

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

**Technical description**

|                                  |                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Weight</b>                    | 0.045 kg                                                                                                                                                         |
| <b>Dimensions</b>                | 40 x 40 x 28 mm                                                                                                                                                  |
| <b>Impeller material</b>         | Glass-fiber reinforced PA plastic                                                                                                                                |
| <b>Housing material</b>          | Glass-fiber reinforced PBT plastic                                                                                                                               |
| <b>Airflow direction</b>         | Exhaust over struts                                                                                                                                              |
| <b>Direction of rotation</b>     | Counterclockwise, viewed toward rotor                                                                                                                            |
| <b>Storage</b>                   | Ball bearing                                                                                                                                                     |
| <b>Service life L10 at 20 °C</b> | 60.000 h                                                                                                                                                         |
| <b>Service life L10 at 60 °C</b> | 32.500 h                                                                                                                                                         |
| <b>Cable</b>                     | With leads AWG 28, UL 1061                                                                                                                                       |
| <b>Approval</b>                  | VDE, CSA, UL                                                                                                                                                     |
| <b>Option</b>                    | Possible custom designs:<br>Speed signal<br>Go / No-go alarm<br>External temperature sensor<br>PWM control input<br>Moisture protection<br>Salt spray protection |

Technical drawing of the cooling unit assembly showing dimensions and tolerances:

- Top view dimensions:  $40 \pm 0,15$  (width),  $28 \pm 0,25$  (depth),  $310 \pm 10$  (height),  $6 \pm 1$  (flange thickness),  $3 \pm 0,15$  (flange thickness).
- Front view dimensions:  $\emptyset 3,7 \pm 0,15$  (flange hole diameter),  $\emptyset 42,5 \pm 0,3$  (main body diameter),  $\emptyset 4,5 \pm 0,2$  (flange hole diameter).
- Side view dimensions:  $32 \pm 0,3$  (flange thickness),  $38,4 \pm 0,25$  (flange thickness).

## Curves

