



# R3G140AW0549

Kaavuton keskipakopuhallin, varaosapuhallin

- Kierrosnopeuden säätö 0-10 V signaalilla tai PWM:llä
- Tachoulostulo
- Moottorin / elektronikan ylikuumentumissuoja

## Tekniset tiedot

|                         |                                                            |
|-------------------------|------------------------------------------------------------|
| Kuvaus                  | Kaavuton keskipakopuhallin, varaosapuhallin                |
| Jännite                 | 1~230 VAC                                                  |
| Jännitealue             | 200 ... 240 VAC                                            |
| Taajuus                 | 50 / 60 Hz                                                 |
| Teho                    | 100 W                                                      |
| Nimellisvirta           | 0,85 A                                                     |
| Kierrosluku             | 2050 rpm                                                   |
| Ilmavirta               | 138.88 l/s                                                 |
| Ilmavirta               | 500.0 m3/h                                                 |
| Käyttölämpötila-alue    | -25...+55 °C                                               |
| Pyörimissuunta          | Vastapäivään roottoripuolelta katsottuna                   |
| Moottorin tyyppi        | M3G055-CF                                                  |
| Moottorin malli         | Energiaa säästävä EC-moottori integroidulla elektronikalla |
| Moottorisuoja / Suoja   | Sisäänrakennettu lukkiutumisen esto                        |
| Suojausluokka           | IP54                                                       |
| Moottorin eristysluokka | B                                                          |
| Laakerit                | Kuulalaakerit                                              |
| Siipipyörä              | F-pyörä, muovia PA                                         |
| Asennusasento           | Vapaa                                                      |
| Hyväksynät              | EN 60335-1; CE                                             |
| Koko                    | ø 140 mm                                                   |
| C-mitta                 | 140 mm                                                     |
| Paino                   | 1.2 kg                                                     |
| Tuotenumero             | R3G140AW0549                                               |

Katso päivitettyt tiedot netistä [www.ebmpapst.fi](http://www.ebmpapst.fi)



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## Tarvikkeet R3G140AW0549

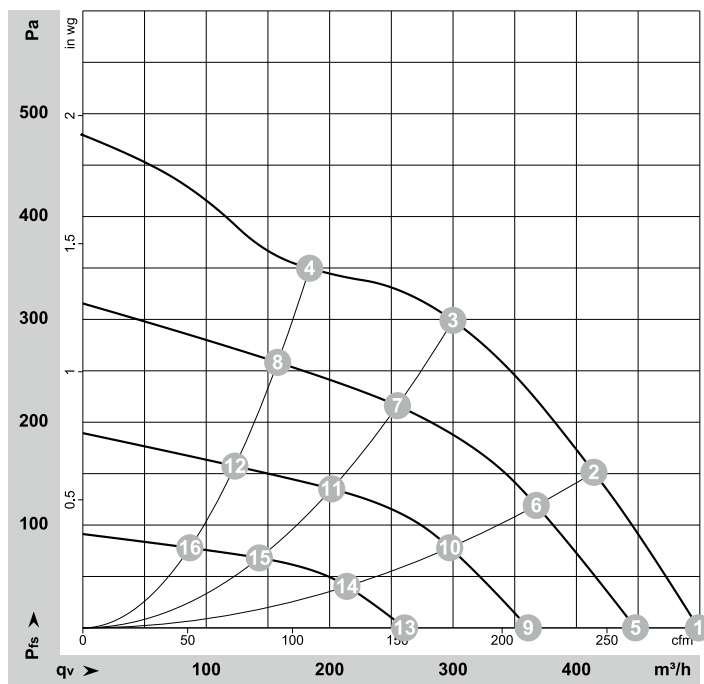
| Nimitys               | Tuotenumero  | Tiedot                    |
|-----------------------|--------------|---------------------------|
| Imukartio 140/175/190 | 09576-2-4013 |                           |
| RM-ECi                | 358-RMECI    | Yleissäädin potentiometri |
| RM-ECs                | RM-ECs       | Yleissäädin potentiometri |
| RM-ECv                | 358-RMECV    | Yleissäädin potentiometri |



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## Ominaiskäyrä



$$\rho = 1.15 \text{ kg/m}^3 \pm 2 \%$$

Measurement: LU-174764-1  
Measurement: LU-173479-1  
Measurement: LU-173481-1  
Measurement: LU-173483-1

Air performance measured as per ISO 5801  
Installation category A. For detailed  
information on the measuring set-up, please  
contact ebm-papst. Suction-side noise  
levels: LwA measured as per ISO 13347 /  
LpA measured with 1m distance to fan axis.  
The values given are valid under the  
measuring conditions mentioned above and  
may vary according to the actual installation  
situation. With any deviation from the  
standard set-up, the specific values have to  
be checked and reviewed with the unit  
installed.

## Measured values

|    | U   | f  | n                 | P <sub>ed</sub> | I    | LpA <sub>in</sub> | LwA <sub>in</sub> | q <sub>v</sub>    | p <sub>fs</sub> | q <sub>v</sub> | p <sub>fs</sub>    |
|----|-----|----|-------------------|-----------------|------|-------------------|-------------------|-------------------|-----------------|----------------|--------------------|
|    | V   | Hz | min <sup>-1</sup> | W               | A    | dB(A)             | dB(A)             | m <sup>3</sup> /h | Pa              | cfm            | inH <sub>2</sub> O |
| 1  | 230 | 50 | 2050              | 100             | 0.85 | 66                | 72                | 500               | 0               | 295            | 0.00               |
| 2  | 230 | 50 | 2195              | 86              | 0.74 | 64                | 71                | 415               | 150             | 245            | 0.60               |
| 3  | 230 | 50 | 2420              | 70              | 0.62 | 62                | 68                | 300               | 300             | 175            | 1.20               |
| 4  | 230 | 50 | 2670              | 52              | 0.48 | 61                | 68                | 185               | 350             | 110            | 1.41               |
| 5  | 230 | 50 | 1785              | 66              | 0.61 | 62                | 69                | 450               | 0               | 265            | 0.00               |
| 6  | 230 | 50 | 1900              | 56              | 0.53 | 60                | 67                | 365               | 121             | 215            | 0.49               |
| 7  | 230 | 50 | 2050              | 45              | 0.43 | 58                | 65                | 255               | 216             | 150            | 0.87               |
| 8  | 230 | 50 | 2165              | 36              | 0.35 | 57                | 64                | 160               | 261             | 95             | 1.05               |
| 9  | 230 | 50 | 1435              | 36              | 0.35 | 57                | 64                | 360               | 0               | 210            | 0.00               |
| 10 | 230 | 50 | 1530              | 29              | 0.29 | 54                | 62                | 295               | 80              | 175            | 0.32               |
| 11 | 230 | 50 | 1625              | 22              | 0.23 | 52                | 60                | 200               | 135             | 120            | 0.54               |
| 12 | 230 | 50 | 1700              | 19              | 0.19 | 51                | 59                | 125               | 158             | 70             | 0.63               |
| 13 | 230 | 50 | 1040              | 14              | 0.15 | 48                | 56                | 260               | 0               | 155            | 0.00               |
| 14 | 230 | 50 | 1100              | 12              | 0.13 | 46                | 54                | 215               | 42              | 125            | 0.17               |
| 15 | 230 | 50 | 1160              | 10.0            | 0.11 | 44                | 52                | 145               | 68              | 85             | 0.27               |
| 16 | 230 | 50 | 1215              | 8.0             | 0.10 | 42                | 51                | 85                | 78              | 50             | 0.31               |

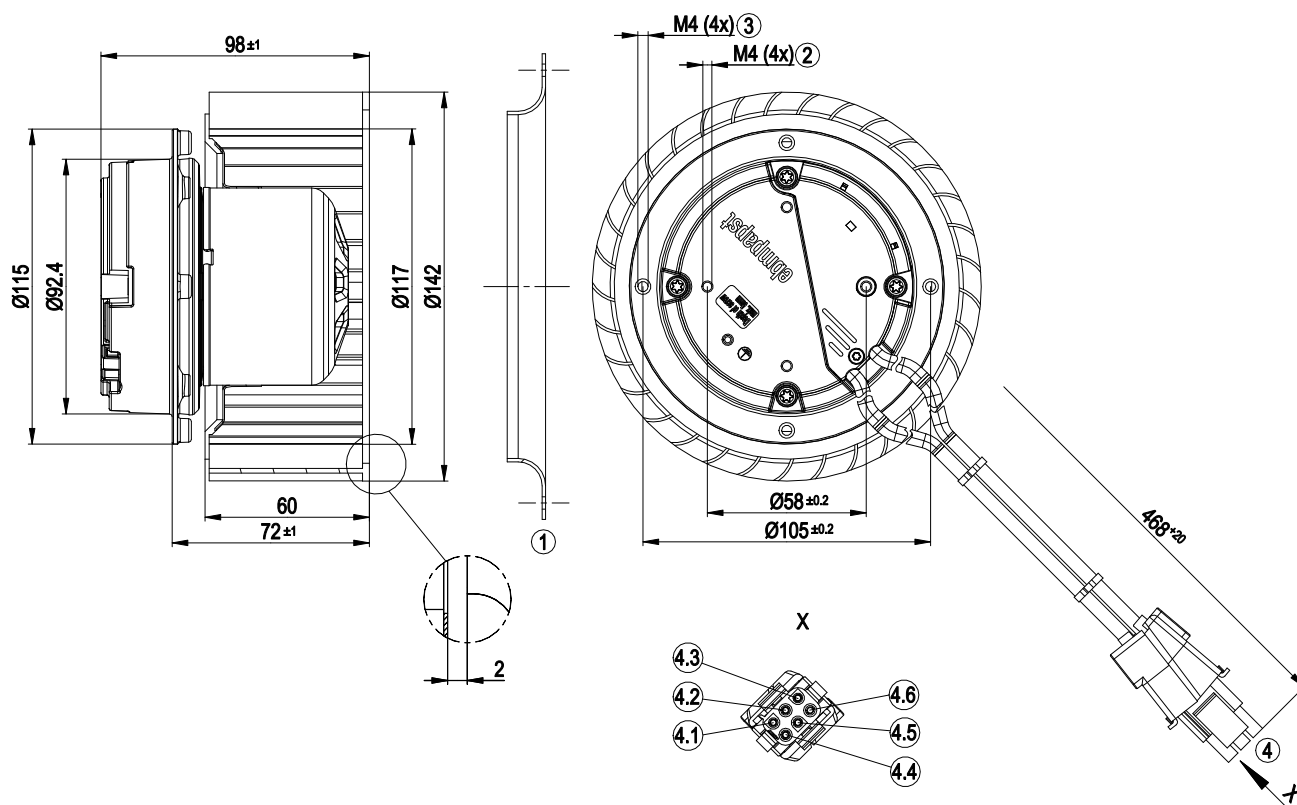
U = Supply voltage · f = Frequency · n = Speed (rpm) · P<sub>ed</sub> = Power input · I = Current draw · LpA<sub>in</sub> = Sound pressure level inlet side · LwA<sub>in</sub> = Sound power level inlet side · q<sub>v</sub> = Air flow  
p<sub>fs</sub> = Pressure increase



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## Piirros



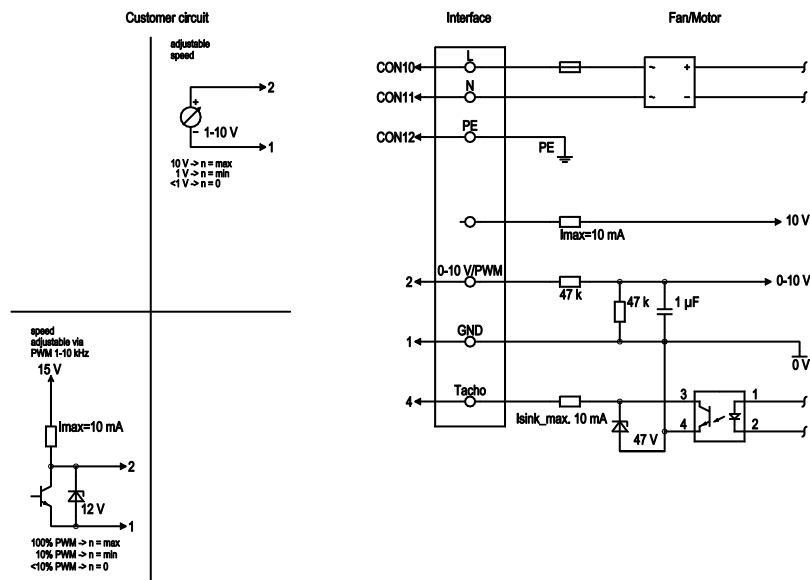
|     |                                                                                                                                                                                                                                               |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Accessory part: Inlet nozzle: 09576-2-4013 not included in scope of delivery                                                                                                                                                                  |
| 2   | Thread reach max. 6 mm                                                                                                                                                                                                                        |
| 3   | Thread reach max. 6 mm                                                                                                                                                                                                                        |
| 4   | Connection line PVC 3G 0.5 mm <sup>2</sup> , connection line 3x 0.25 mm <sup>2</sup> , 6-pole connector housing tyco 1-640721-0, 6-pole connector housing tyco 1586846-1, 1x plug pin tyco 350654-1 (green/yellow), 5x plug pin tyco 926885-1 |
| 4.1 | 0-10 V PWM (yellow)                                                                                                                                                                                                                           |
| 4.2 | GND (blue)                                                                                                                                                                                                                                    |
| 4.3 | Tach (white)                                                                                                                                                                                                                                  |
| 4.4 | L (brown)                                                                                                                                                                                                                                     |
| 4.5 | N (blue)                                                                                                                                                                                                                                      |
| 4.6 | PE (green/yellow)                                                                                                                                                                                                                             |



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## Kytentäkaavio



| No. | Conn. | Designation | Colour       | Function / assignment                                                                    |
|-----|-------|-------------|--------------|------------------------------------------------------------------------------------------|
|     | CON10 | L           | brown        | Mains connection, power supply, phase, see type plate for voltage range                  |
|     | CON11 | N           | blue         | Mains connection, power supply, neutral conductor, see type plate for voltage range      |
|     | CON12 | PE          | green/yellow | Earth connection                                                                         |
|     | 2     | 0- 10V PWM  | yellow       | 0-10 V/PWM control input, Ri=100 k $\Omega$ , SELV                                       |
|     | 4     | Tach        | white        | Speed monitoring output, open collector, 1 pulse per revolution, Isink max = 10 mA, SELV |
|     | 1     | GND         | blue         | Signal ground for control interface, SELV                                                |

## Yhteystiedot

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