

# EC centrifugal fan

backward curved, Ø 133



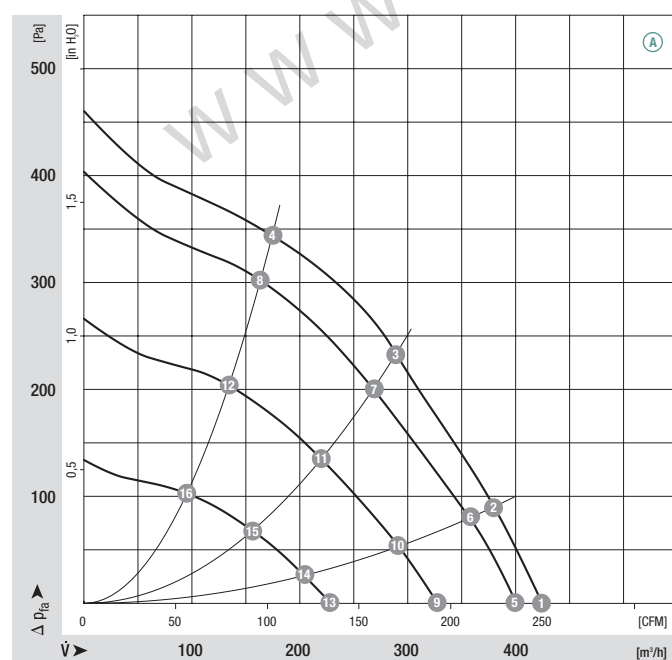
- **Material:** Impeller: PA plastic 6.6, fibreglass-reinforced  
Rotor: Galvanised  
Electronics enclosure: Die-cast aluminium
- **Number of blades:** 7
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 44
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

| Nominal data |            | Curve | Nominal voltage | Frequency | Speed/rpm | Max. power input <sup>(1)</sup> | Max. current draw <sup>(1)</sup> | Perm. amb. temp. | Electr. connection |
|--------------|------------|-------|-----------------|-----------|-----------|---------------------------------|----------------------------------|------------------|--------------------|
| Type         | Motor      |       | VAC             | Hz        | rpm       | W                               | A                                | °C               | p. 601             |
| R3G 133      | M3G 055-BD | Ⓐ     | 1~ 115          | 50/60     | 4350      | 50                              | 0.80                             | -25 to +60       | H1)                |

subject to alterations

(1) Nominal data in operating point with maximum load and 115 VAC

## Curves



|      | n [rpm] | P <sub>1</sub> [W] | I [A] | L <sub>pA</sub> [dB(A)] | η <sub>IL</sub> [%] |
|------|---------|--------------------|-------|-------------------------|---------------------|
| Ⓐ 1  | 4350    | 37                 | 0.55  | 75                      | —                   |
| Ⓐ 2  | 4310    | 41                 | 0.60  | 74                      | 39                  |
| Ⓐ 3  | 4260    | 46                 | 0.70  | 61                      | 61                  |
| Ⓐ 4  | 4340    | 41                 | 0.60  | 60                      | 45                  |
| Ⓐ 5  | 4150    | 34                 | 0.60  | 78                      | —                   |
| Ⓐ 6  | 4090    | 36                 | 0.60  | 69                      | 31                  |
| Ⓐ 7  | 4010    | 39                 | 0.60  | 58                      | 52                  |
| Ⓐ 8  | 4080    | 34                 | 0.60  | 58                      | 47                  |
| Ⓐ 9  | 3390    | 20                 | 0.40  | 67                      | —                   |
| Ⓐ 10 | 3350    | 22                 | 0.40  | 58                      | 30                  |
| Ⓐ 11 | 3300    | 23                 | 0.40  | 53                      | 53                  |
| Ⓐ 12 | 3350    | 22                 | 0.40  | 53                      | 46                  |
| Ⓐ 13 | 2370    | 10                 | 0.20  | 52                      | —                   |
| Ⓐ 14 | 2360    | 11                 | 0.20  | 49                      | 30                  |
| Ⓐ 15 | 2350    | 11                 | 0.20  | 45                      | 56                  |
| Ⓐ 16 | 2370    | 11                 | 0.20  | 44                      | 46                  |

- **Technical features:**
  - Control input 0-10 VDC / PWM
  - Output 10 VDC max. 1.1 mA
- **EMC:** Interference emission acc. to EN 61000-6-3  
Interference immunity acc. to EN 61000-6-1  
Harmonics acc. to DIN EN 61000-3-2/3
- **Leakage current:** < 3.5 mA acc. to EN 60950-1
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 60335-1, CE
- **Approvals:** GOST; VDE, UL, CSA, CCC are applied for
- Tach output
- Locked-rotor protection



Mass of  
centrifugal fan



Centrifugal fan

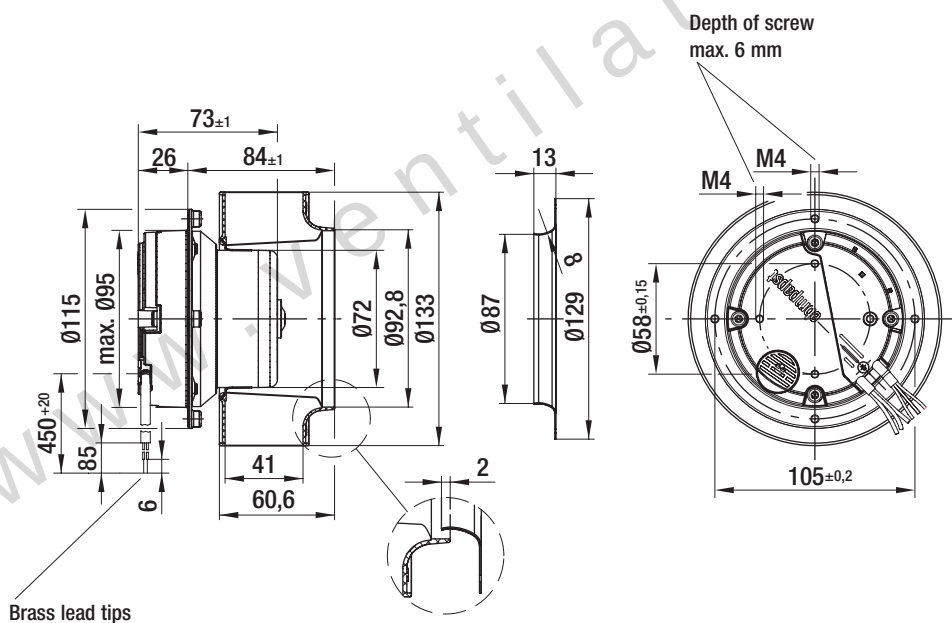
kg

Inlet nozzle  
(long)

R3G 133-AE17 -02

1.0

09566-2-4013



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backward curved, Ø 133

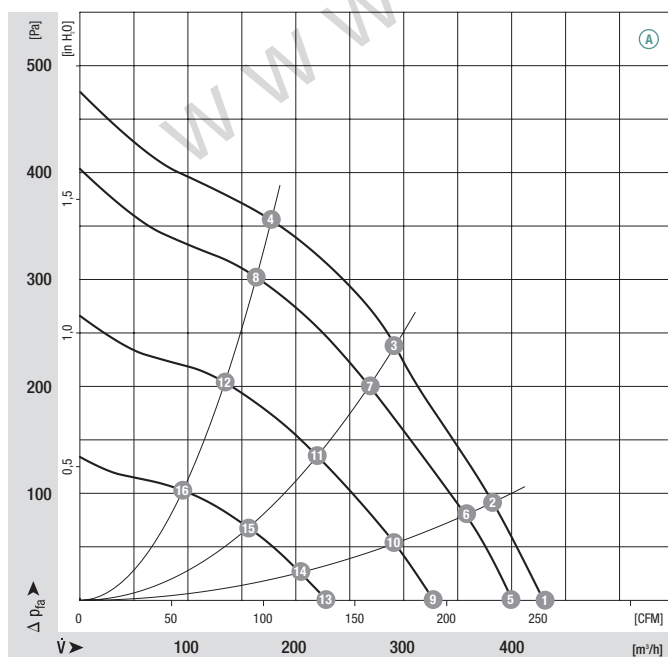


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- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

| Nominal data |            | Curve | Nominal voltage | Frequency | Speed/rpm | Max. power input <sup>(1)</sup> | Max. current draw <sup>(1)</sup> | Perm. amb. temp. | Electr. connection |
|--------------|------------|-------|-----------------|-----------|-----------|---------------------------------|----------------------------------|------------------|--------------------|
| Type         | Motor      |       | VAC             | Hz        | rpm       | W                               | A                                | °C               | p. 601             |
| R3G 133      | M3G 055-BD | Ⓐ     | 1~ 230          | 50/60     | 4480      | 52                              | 0.40                             | -25 to +60       | H1)                |

subject to alterations (1) Nominal data in operating point with maximum load and 230 VAC

## Curves



|      | n [rpm] | P <sub>1</sub> [W] | I [A] | L <sub>pA</sub> [dB(A)] | η <sub>IL</sub> [%] |
|------|---------|--------------------|-------|-------------------------|---------------------|
| Ⓐ 1  | 4480    | 43                 | 0.30  | 75                      | —                   |
| Ⓐ 2  | 4450    | 46                 | 0.35  | 74                      | 31                  |
| Ⓐ 3  | 4390    | 49                 | 0.40  | 61                      | 51                  |
| Ⓐ 4  | 4460    | 45                 | 0.35  | 60                      | 46                  |
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- **Leakage current:** < 3.5 mA acc. to EN 60950-1
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 60335-1, CE
- **Approvals:** GOST; VDE, UL, CSA, CCC are applied for



Mass of centrifugal fan



| Centrifugal fan  | kg  | Inlet nozzle (long) |
|------------------|-----|---------------------|
| R3G 133-AE07 -02 | 1.0 | 09566-2-4013        |

