

EC centrifugal fan and blowers

single inlet, Ø 133



- **Material:** Housing: Hot-dip galvanised sheet steel
Impeller: Hot-dip galvanised sheet steel
Rotor: Galvanised
Electronics enclosure: Die-cast aluminium
- **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

Type

Motor

Curve

Nominal voltage

Frequency

Speed/rpm

Max. power input (1)

Max. current draw (1)

Min. back pressure

Perm. amb. temp.

Electr. connection

*3G 133

M3G 055-BD

Ⓐ

1~ 115

50/60

2000

42

0.60

0

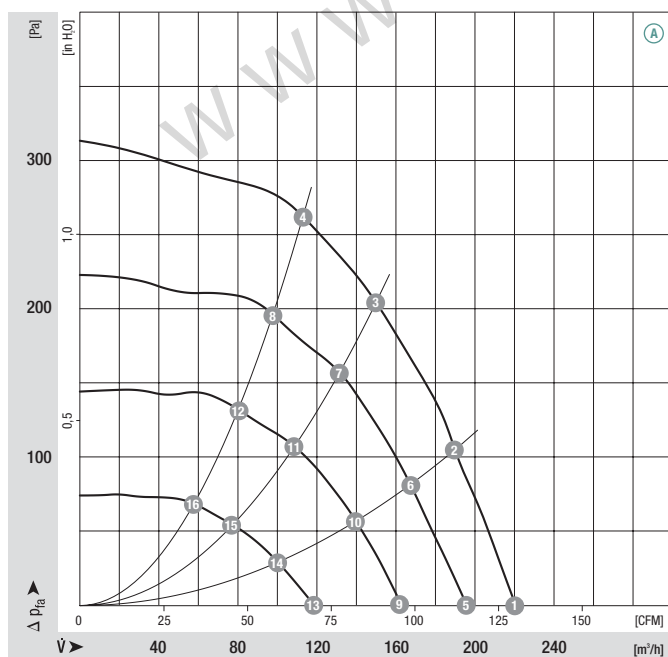
-25 to +60

H1)

subject to alterations

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

Curves

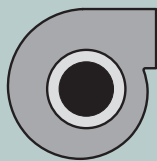


	n [rpm]	P ₁ [W]	I [A]	L _{pA} [dB(A)]	η _{IL} [%]
Ⓐ 1	2000	42	0.60	64	—
Ⓐ 2	2140	37	0.55	62	42
Ⓐ 3	2310	30	0.45	60	52
Ⓐ 4	2460	23	0.35	58	51
Ⓐ 5	1780	30	0.45	60	—
Ⓐ 6	1870	26	0.40	59	45
Ⓐ 7	1995	21	0.30	56	53
Ⓐ 8	2120	17	0.25	56	51
Ⓐ 9	1495	18	0.30	55	—
Ⓐ 10	1570	16	0.25	54	45
Ⓐ 11	1640	13	0.20	51	53
Ⓐ 12	1730	10	0.20	50	51
Ⓐ 13	1100	9	0.20	49	—
Ⓐ 14	1140	8	0.20	47	45
Ⓐ 15	1200	7	0.20	44	53
Ⓐ 16	1250	6	0.20	41	51

- **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



Mass of centrifugal blower

Centrifugal fan

kg

Centrifugal blower without flange

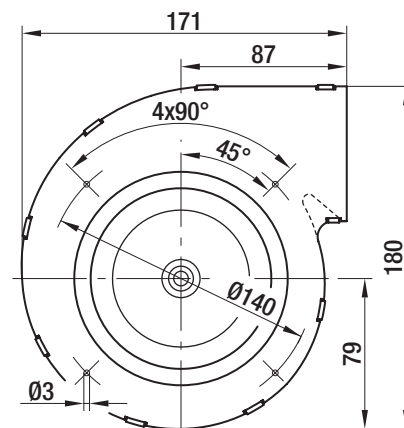
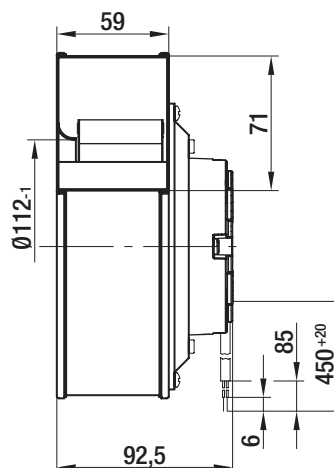
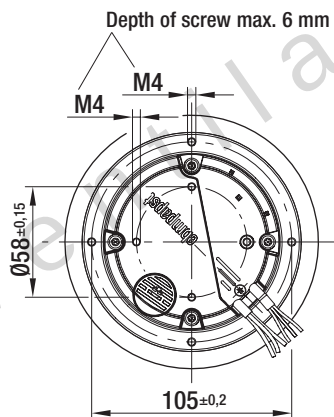
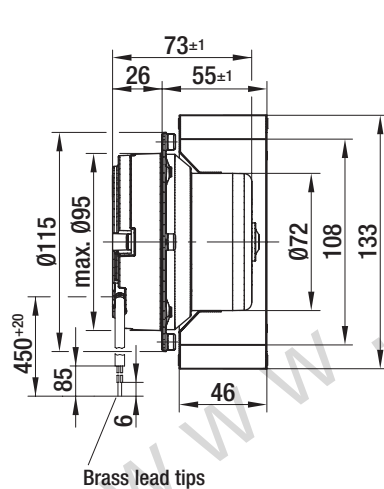
kg

R3G 133-AD11 -02

1.0

G3G 133-DD11 -02

1.5



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- **Bearings:** Maintenance-free ball bearings

Nominal data

Type

Motor

Curve

Nominal voltage

Frequency

Speed/rpm

Max. power input (1)

Max. current draw (1)

Min. back pressure

Perm. amb. temp.

Electr. connection

*3G 133

M3G 055-BD

Ⓐ

1~ 230

50/60

1925

38

0.30

0

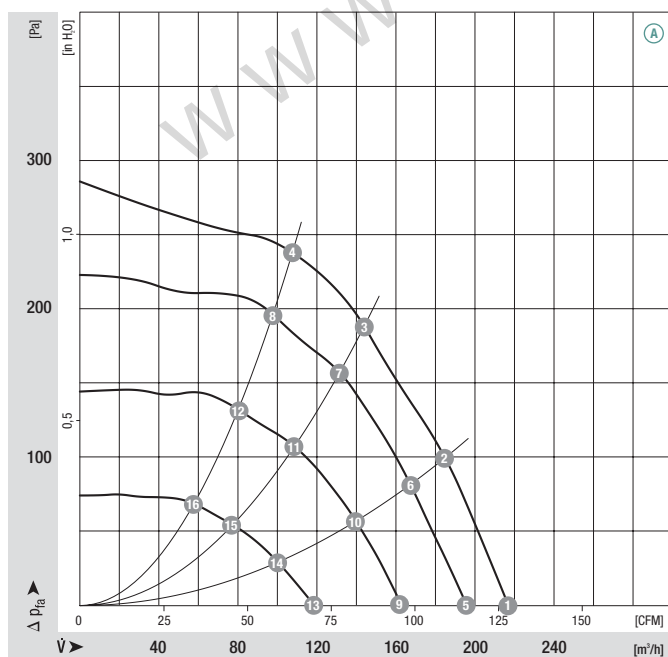
-25 to +60

H1)

subject to alterations

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

Curves

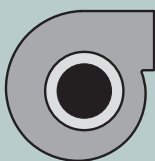


	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]	η _{IL} [%]
Ⓐ 1	1925	38	0.30	63	—
Ⓐ 2	2070	34	0.25	62	45
Ⓐ 3	2210	27	0.20	60	53
Ⓐ 4	2330	21	0.15	59	51
Ⓐ 5	1780	30	0.25	60	—
Ⓐ 6	1870	26	0.20	59	45
Ⓐ 7	1995	21	0.15	56	53
Ⓐ 8	2120	17	0.15	56	51
Ⓐ 9	1495	18	0.15	55	—
Ⓐ 10	1570	16	0.15	54	45
Ⓐ 11	1640	13	0.10	51	53
Ⓐ 12	1730	10	0.10	50	51
Ⓐ 13	1100	9	0.10	49	—
Ⓐ 14	1140	8	0.10	47	45
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- Tach output
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Mass of centrifugal fan



Mass of centrifugal blower

Centrifugal fan

kg

Centrifugal blower without flange

kg

R3G 133-AD05 -02

1.0

G3G 133-DD05 -02

1.5

