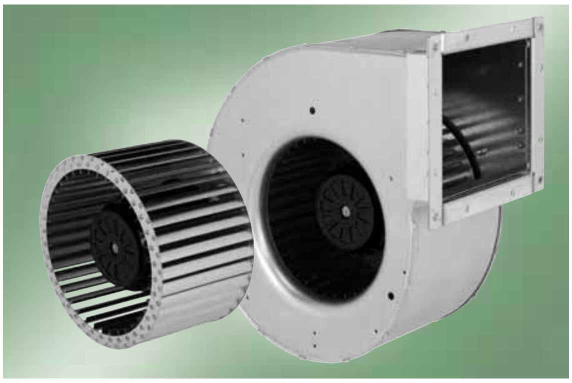
AC centrifugal fan and blowers

single inlet, Ø 250



- **Material:** Housing: Galvanised sheet steel
  Impeller: Galvanised sheet steel
  Rotor: Coated in black
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54 (acc. to EN 60529)
- **Insulation class:** "F"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data

Type	Motor	Curve	Nominal voltage VAC	Frequency Hz	Speed/rpm (1) rpm	Max. power input (1) W	Max. current draw (1) A	Capacitor µF/VDB	Min. back pressure Pa	Perm. amb. temp. °C	Electr. connection p. 596 f.
***6E 250**	M6E 094-FA	Ⓐ	1~ 230 1~ 230	50 60	850 900	220 295	1.00 1.30	6.0/450 6.0/500	0 0	-40 to +80 -40 to +80	A2a)
G6E 250 (2)	M6E 094-FA	Ⓑ	1~ 230 1~ 230	50 60	780 760	255 305	1.15 1.35	6.0/450 6.0/500	0 0	-40 to +80 -40 to +70	A2a)

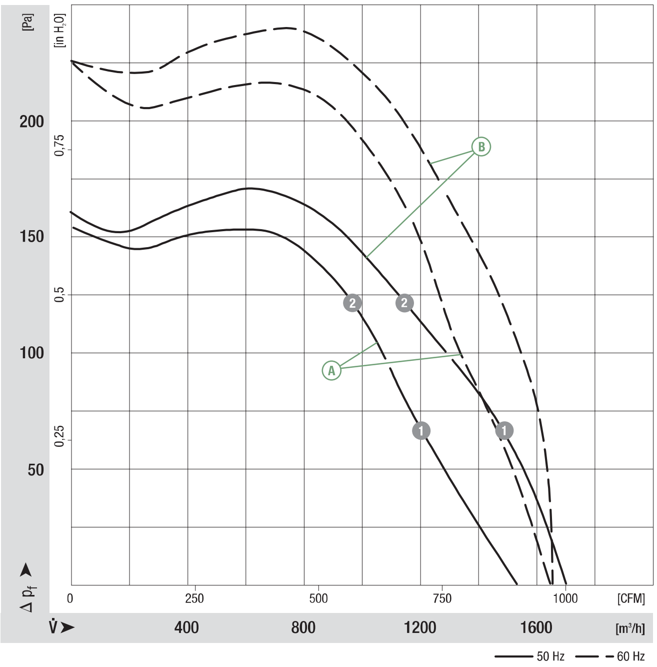
subject to alterations

(1) Nominal data in operating point with maximum load

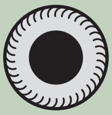
(2) Data collected via exhaust duct (step diffuser, 1 m length)

Curves

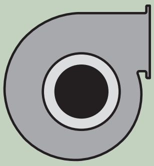
		n [rpm]	P_1 [W]	I [A]	Lp_A [dB(A)]
Ⓐ	❶	900	180	0.82	63
Ⓐ	❷	930	156	0.74	61
Ⓑ	❶	855	215	0.96	65
Ⓑ	❷	910	173	0.79	62

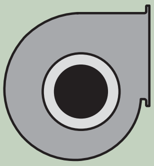


- **Motor protection:** Design with thermal overload protector
- **Cable exit:** Diagonal
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standard:** CE



Mass of centrifugal fan

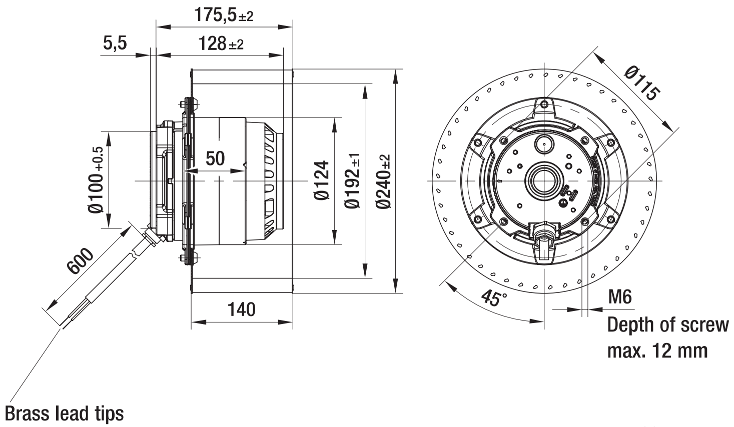


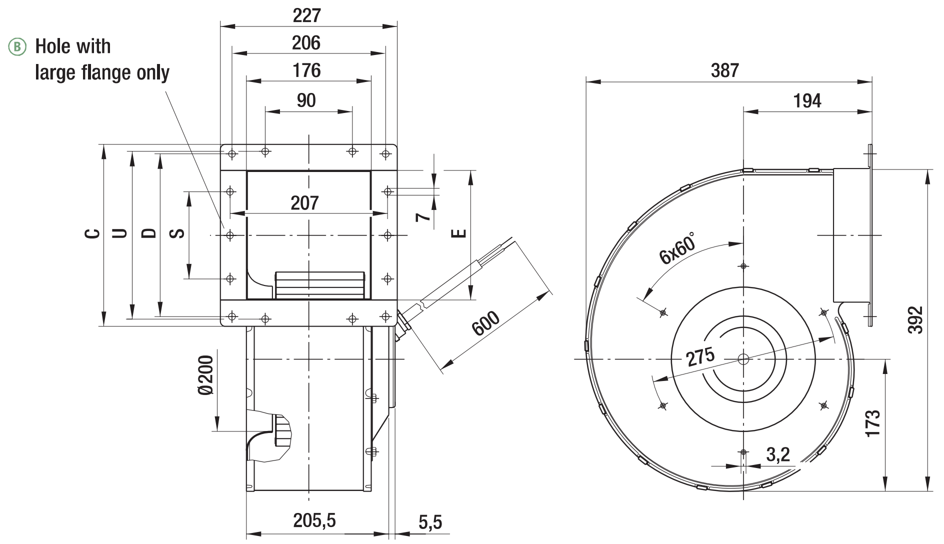


Mass of centrifugal blower

Dimensions

Centrifugal fan	kg	Centrifugal blower with flange (small)	Centrifugal blower with flange (large)	kg	C	D	E	S	U
R6E 250-AK05 -03	7.0	**G6E 250-DK05 -03**	**—**	10.5	218.0	190.0	167.0	90.0	198.0
—	—	**—**	**G6E 250-EK05 -03**	10.9	313.0	285.0	262.0	180.0	293.0


175,5±2
128±2
5,5
50
Ø100+0.5
Ø124
Ø192±1
Ø240±2
600
140
Brass lead tips
Ø115
45°
M6
Depth of screw
max. 12 mm


Ⓑ Hole with
large flange only
227
206
176
90
207
7
E
C
U
D
S
600
Ø200
205,5
5,5
387
194
6x60°
275
392
173
3,2

Inlet nozzle
p. 552
Capacitor
p. 560 f.
Electr. connections
p. 596 f.