

AC centrifugal fan and blower

single inlet, Ø 180



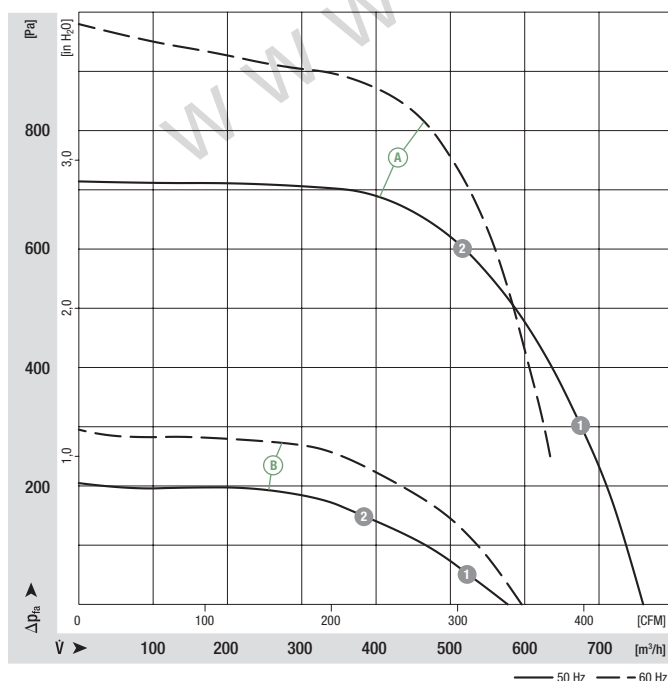
- **Material:** Housing: Die-cast aluminium
Impeller: Galvanised sheet steel
Rotor: (A) coated in black, (B) partially cast in aluminium
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 44
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** Rotor-side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data

Type	Motor	Curve	Nominal voltage	Frequency	Air flow	Speed/rpm	Power input	Current draw	Capacitor	Sound pressure level	Min. back pressure	Perm. amb. temp.	Electr. connection
			VAC	Hz	m³/h	rpm	W	A	µF/VDB	dB(A)	Pa	°C	p. 596 f.
G2E 180	M2E 074-EI	(A)	1~ 230	50	760	1950	400	1.75	8.0/400	73	0	-25 to +40	A1)
			1~ 230	60	630	2150	415	1.82	8.0/400	71	250	-25 to +40	
*4E 180	M4E 068-DF	(B)	1~ 230	50	575	1250	110	0.49	3.0/450	65	0	-25 to +55	A1)
			1~ 230	60	594	1300	145	0.64	3.0/450	65	0	-25 to +45	

subject to alterations

Curves



	n [rpm]	P ₁ [W]	I [A]
(A) 1	2290	335	1.47
(A) 2	2600	255	1.12
(B) 1	1300	105	0.47
(B) 2	1385	92	0.41

- **Motor protection:** TOP wired internally
- **Cable exit:** Axial
- **Protection class:** I
- **Product conforming to standards:** EN 60335-1, CE
- **Approvals:** CCC

General
information

AC centrifugal,
backward

AC centrifugal,
forward

EC centrifugal,
backward

EC centrifugal, back-
ward for clean rooms

EC centrifugal,
forward

EC-SYSTEMS

Accessories

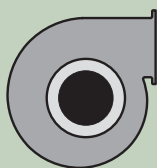
Technology

Contacts



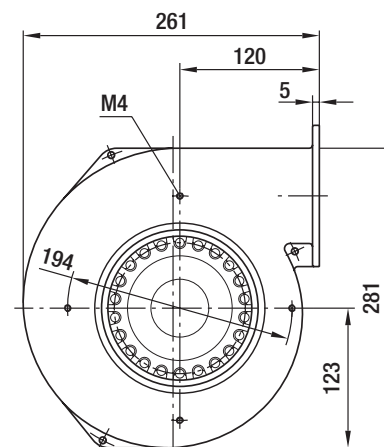
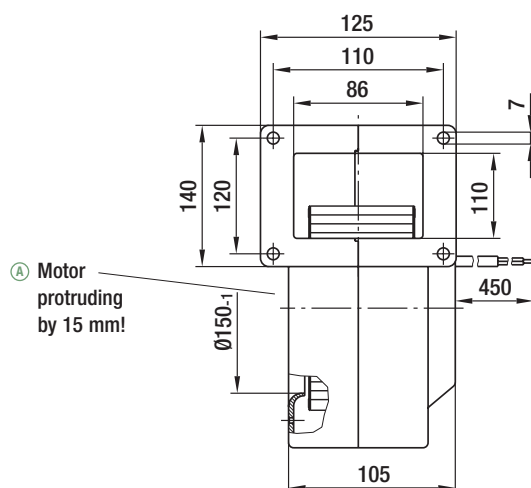
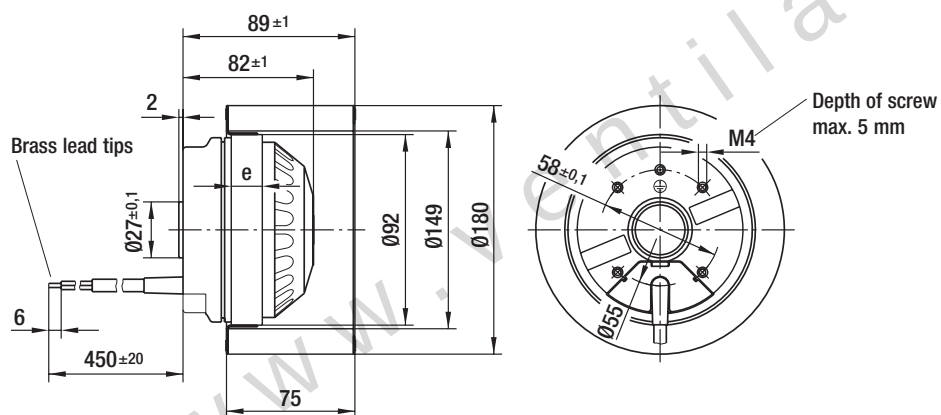
Mass of
centrifugal fan

Dimensions



Mass of
centrifugal blower

Centrifugal fan	kg	e	Centrifugal blower with flange	kg
—	—	48.0	G2E 180-EH03 -01	5.6
R4E 180-AB01 -05	1.7	35.0	G4E 180-AB01 -01	3.7



AC centrifugal fan and blower

single inlet, Ø 180



- **Material:** Housing: Galvanised sheet steel
Impeller: Galvanised sheet steel
Rotor: Coated in black
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 44
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** Rotor-side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data

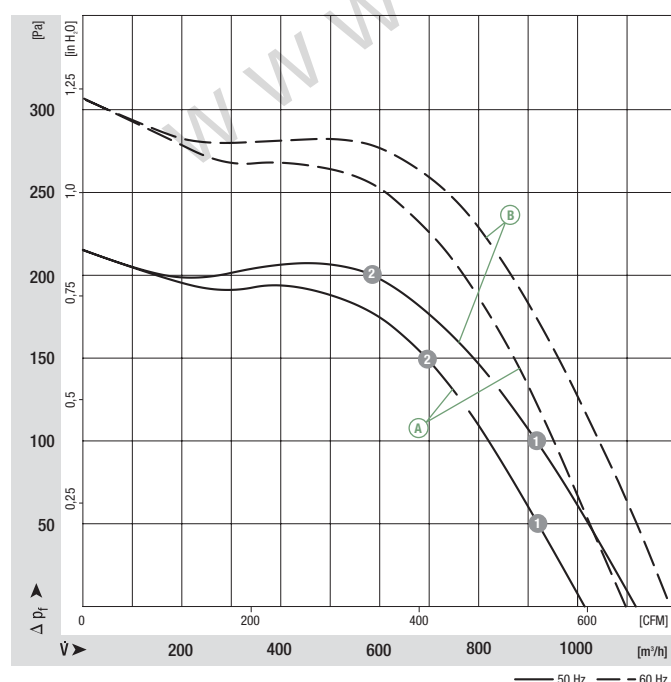
Type	Motor	Curve	Nominal voltage VAC	Frequency Hz	Air flow m³/h	Speed/rpm	Power input W	Current draw A	Capacitor µF/VDB	Sound pressure level dB(A)	Min. back pressure Pa	Perm. amb. temp. °C	Electr. connection p. 596 f.
*4D 180 ⁽²⁾	M4D 074-DF	A	3~ 230/400	50	1010	1330	175	0.68/0.39	—	67	0	-25 to +60	C1)/(C2)
			3~ 230/400	60	1090	1440	240	0.74/0.43	—	69	0	-25 to +55	
G4D 180 ^{(1)/(2)}	M4D 074-DF	B	3~ 230/400	50	1110	1290	195	0.69/0.40	—	69	0	-25 to +60	C1)/(C2)
			3~ 230/400	60	1180	1370	265	0.81/0.47	—	70	0	-25 to +45	

subject to alterations

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

(2) 230 VAC Δ / 400 VAC Y

Curves



	n [rpm]	P ₁ [W]	I [A]
A 1	1360	160	0.62/0.36
A 2	1410	120	0.46/0.27
B 1	1360	163	0.58/0.33
B 2	1420	105	0.38/0.22

- **Motor protection:** Without thermal protection
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 60335-1, CE
- **Approvals:** CCC

General
information

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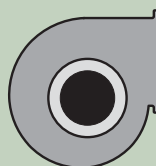
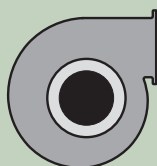
Accessories

Technology

Contacts



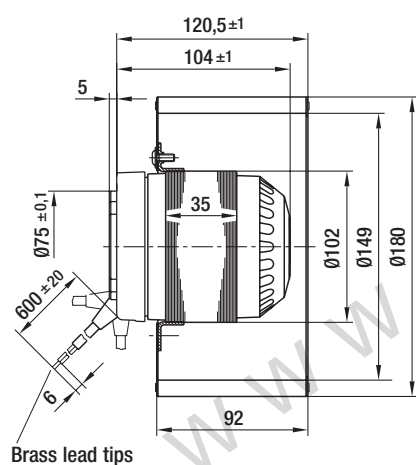
Mass of
centrifugal fan



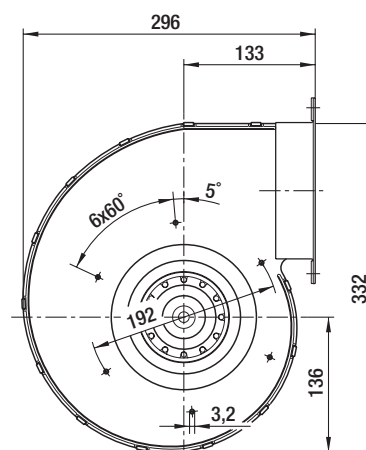
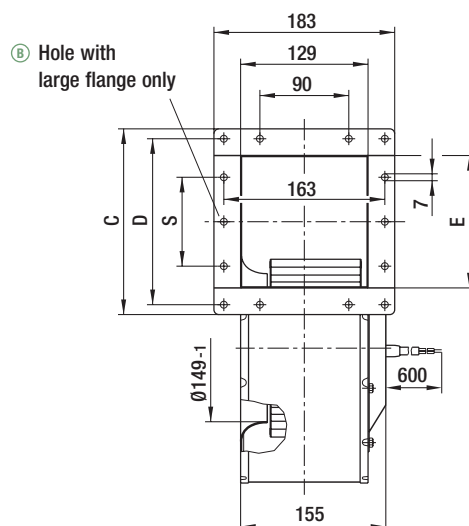
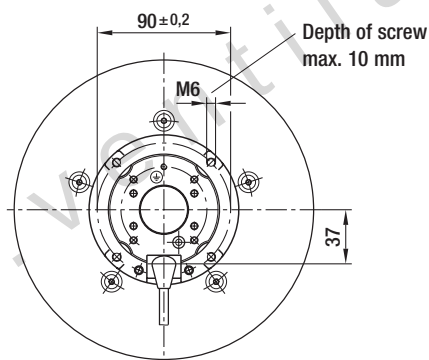
Mass of
centrifugal blower

Dimensions

Centrifugal fan	kg	Centrifugal blower with flange (small)	Centrifugal blower with flange (large)	kg	C	D	E	S
R4D 180-AF20 -05	3.2	G4D 180-FF20 -01	—	6.4	188.0	168.0	134.0	90.0
—	—	—	G4D 180-GF20 -01	6.4	278.0	258.0	224.0	180.0



Brass lead tips



AC centrifugal fan and blower

single inlet, Ø 180

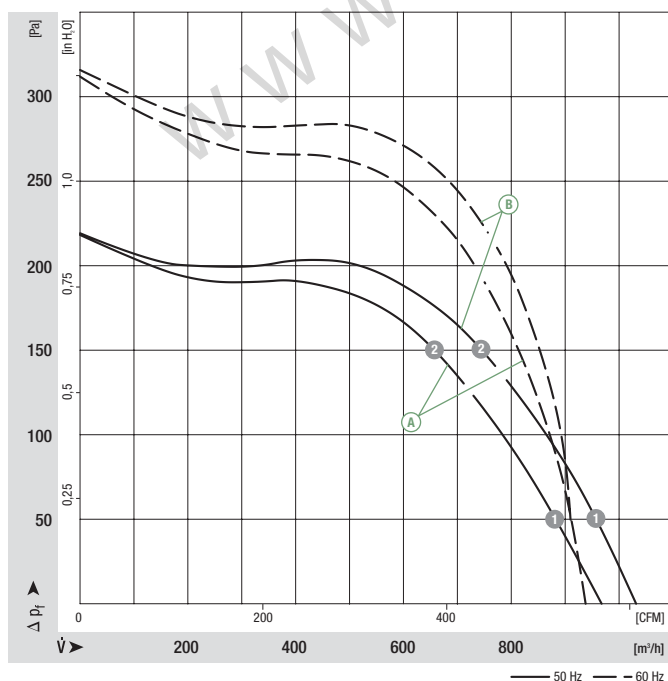


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Impeller: Galvanised sheet steel
Rotor: Coated in black
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 44
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** Rotor-side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data		Curve	Nominal voltage	Frequency	Air flow	Speed/rpm	Power input	Current draw	Capacitor	Sound pressure level	Min. back pressure	Perm. amb. temp.	Electr. connection
Type	Motor		VAC	Hz	m³/h	rpm	W	A	µF/VDB	dB(A)	Pa	°C	p. 596 f.
*4E 180	M4E 074-DF	A	1~ 230	50	965	1220	160	0.71	4.0/400	66	0	-25 to +60	A1)
			1~ 230	60	935	1200	197	0.87	4.0/400	65	0	-25 to +40	
G4E 180 ⁽¹⁾	M4E 074-DF	B	1~ 230	50	1030	1130	180	0.80	4.0/400	66	0	-25 to +45	A1)
			1~ 230	60	910	1170	200	0.88	4.0/400	64	50	-25 to +35	

subject to alterations (1) data collected via exhaust duct (step diffuser, length 1 m)

Curves



	n [rpm]	P ₁ [W]	I [A]
A 1	1280	142	0.63
A 2	1375	112	0.50
B 1	1210	160	0.71
B 2	1340	123	0.55

- **Motor protection:** TOP wired internally
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 60335-1, CE
- **Approvals:** CCC

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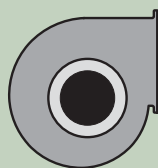
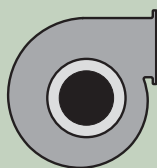
Accessories

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Contacts



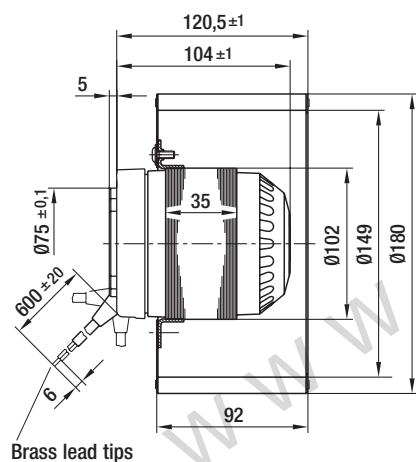
Mass of
centrifugal fan



Mass of
centrifugal blower

Dimensions

Centrifugal fan	kg	Centrifugal blower with flange (small)	Centrifugal blower with flange (large)	kg	C	D	E	S
R4E 180-AS11 -05	3.2	G4E 180-FS11 -01	—	6.4	188.0	168.0	134.0	90.0
—	—	—	G4E 180-GS11 -01	6.4	278.0	258.0	224.0	180.0



Brass lead tips

