

AC centrifugal fan and blower

single inlet, Ø 180

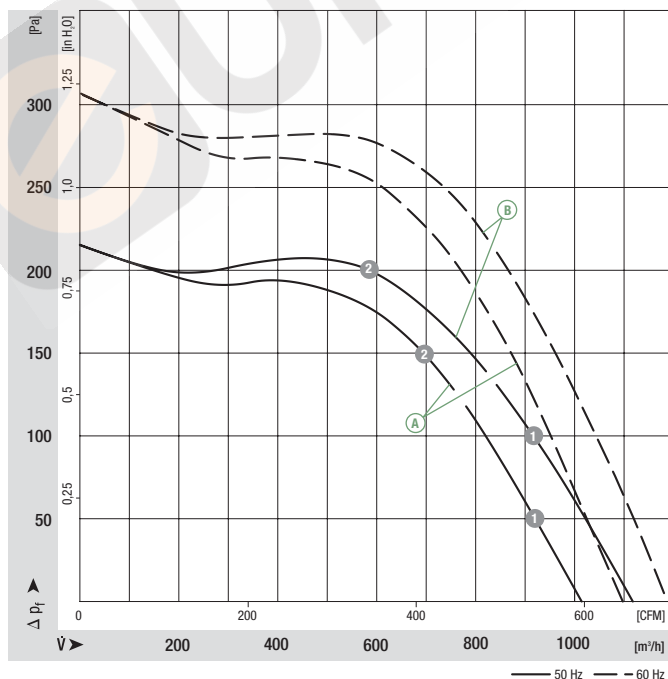


- **Material:** Housing: Galvanised sheet steel
Impeller: Galvanised sheet steel
Rotor: Coated in black
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 44
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** Rotor-side
- **Mode of operation:**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

Nominal data		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.	
*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

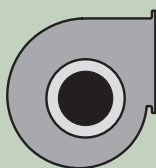
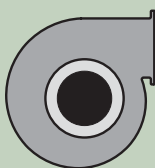


	n [rpm]	P ₁ [W]	I [A]
A 1	1360	160	0.62/0.36
A 2	1410	120	0.46/0.27
B 1	1360	163	0.58/0.33
B 2	1420	105	0.38/0.22

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



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

