

# AC centrifugal blowers

dual inlet, Ø 097

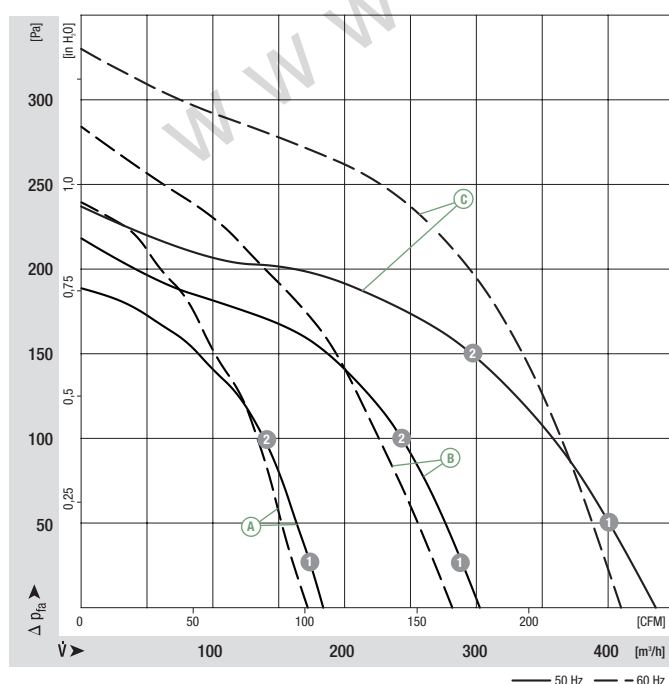


- **Material:** Housing: Galvanised sheet steel  
Impeller: Galvanised sheet steel  
Rotor: Partially cast in aluminium
- **Direction of rotation:** Counter-clockwise, seen on rotor
- **Type of protection:** IP 20
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Design:** Standard external-rotor motor mounted via brackets on one side
- **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.	
D2E 097	M2E 052-BF	A	1~ 230	50	180	1550	28	0.13	1.0/400	46	0	-25 to +85	A1)
			1~ 230	60	170	1450	32	0.15	1.0/400	44	0	-25 to +80	
D2E 097	M2E 052-BF	B	1~ 230	50	300	1350	50	0.23	1.5/400	50	0	-25 to +70	A1)
			1~ 230	60	280	1250	55	0.25	1.5/400	48	0	-25 to +55	
D2E 097	M2E 052-CA	C	1~ 230	50	435	1950	87	0.39	2.0/400	58	0	-25 to +40	A1)
			1~ 230	60	410	1850	100	0.45	2.0/400	57	0	-25 to +35	

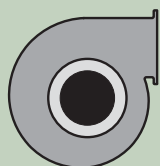
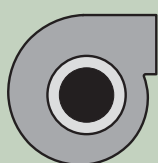
subject to alterations

## Curves



	n [rpm]	P <sub>1</sub> [W]	I [A]
A 1	1670	27	0.13
A 2	2080	25	0.12
B 1	1490	48	0.22
B 2	2000	44	0.20
C 1	2150	83	0.37
C 2	2475	73	0.33

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



Mass of centrifugal blower

**Dimensions**

Centrifugal blower without flange	Centrifugal blower with flange	kg	A	B	C	D	E	H	I	K	L	M	N	O	P
D2E 097-CH85 -02	D2E 097-CH85 -48	1.5	140.0	128.0	78.0	66.0	46.0	80.0	108.0	144.0	76.0	137.0	62.0	96.0	51.0
D2E 097-BK66 -02	D2E 097-BK66 -48	1.5	180.0	168.0	100.0	88.0	67.0	79.5	146.0	162.0	86.0	165.0	68.0	114.0	62.5
D2E 097-BI56 -02	D2E 097-BI56 -48	1.5	180.0	168.0	100.0	88.0	67.0	79.5	146.0	162.0	86.0	165.0	68.0	114.0	62.5

