

AC centrifugal blowers

dual inlet, Ø 250



- **Material:** Housing: Galvanised sheet steel
Impeller: Galvanised sheet steel
Rotor: Cast in aluminium
- **Direction of rotation:** Counter-clockwise, seen on rotor (on cable exit)
- **Type of protection:** IP 20 (acc. to EN 60527)
- **Insulation class:** "F"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Design:** EW motor anti-vibration mounted on both sides
- **Bearings:** Maintenance-free ball bearings

Nominal data

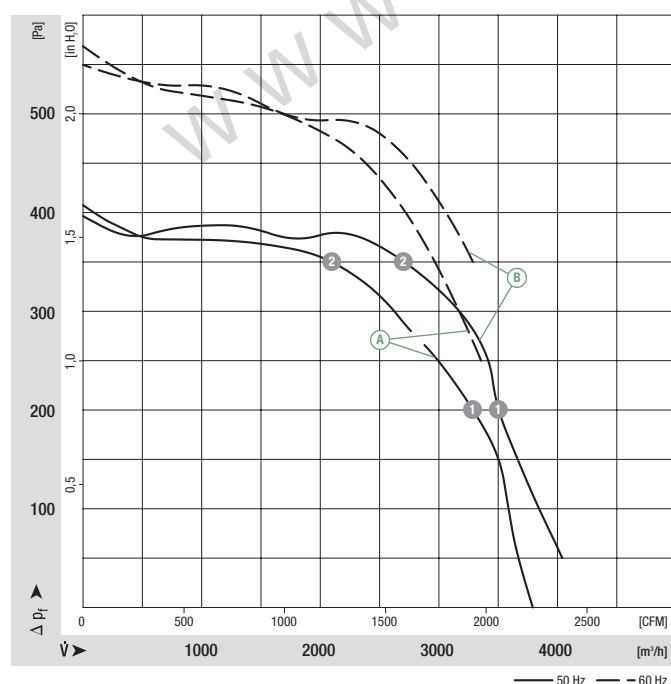
Type	Motor	Curve	Nominal voltage	Frequency	Speed/rpm ⁽¹⁾	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Capacitor	Min. back pressure	Perm. amb. temp.	Electr. connection
			VAC	Hz	rpm	W	A	µF/VDB	Pa	°C	p. 596 f.
D4D 250	M4D 094-LA	(A)	3~ 400 Y	50	1240	1140	2.10	—	0	-40 to +60	D1)
			3~ 400 Y	60	1410	1210	2.20	—	250	-40 to +45	
D4D 250 ⁽²⁾	M4D 094-LA	(B)	3~ 400 Y	50	1200	1270	2.30	—	50	-40 to +45	D1)
			3~ 400 Y	60	1410	1270	2.20	—	350	-40 to +45	

subject to alterations

(1) Nominal data in operating point with maximum load

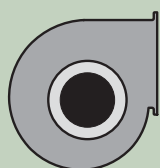
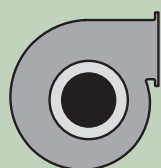
(2) Data collected via exhaust duct (step diffuser, 1 m length)

Curves



	n	P ₁	I	L _{pA}
	[rpm]	[W]	[A]	[dB(A)]
(A) 1	1320	875	1.73	71
(A) 2	1410	481	1.21	65
(B) 1	1280	1001	1.89	72
(B) 2	1370	675	1.43	69

- **Motor protection:** Design with thermal overload protector
- **Cable exit:** Axial
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standard:** CE
- **Options:** 400 VAC Δ/Y for two speed steps available on request, mounting brackets on request



Mass of
centrifugal blower

Dimensions

Centrifugal blower
with flange

Centrifugal blower
with flange (large)

kg

C	D	E	S	U
218.0	190.0	167.0	90.0	198.0
313.0	285.0	262.0	180.0	293.0

D4D 250-BA02 -01

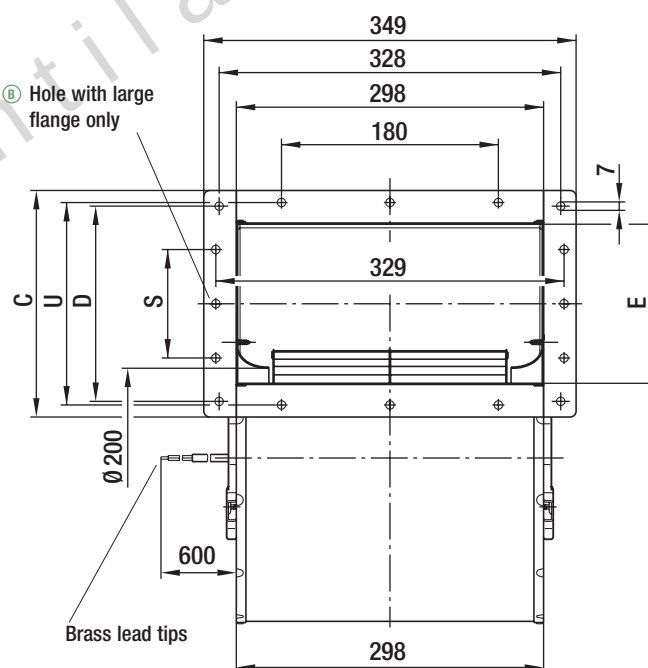
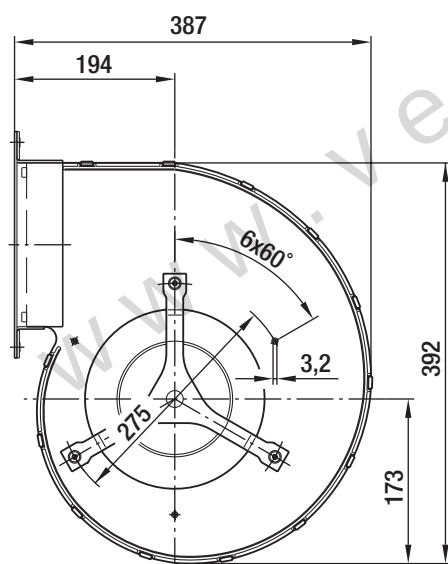
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16.7

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D4D 250-CA02 -01

16.7



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

Nominal data

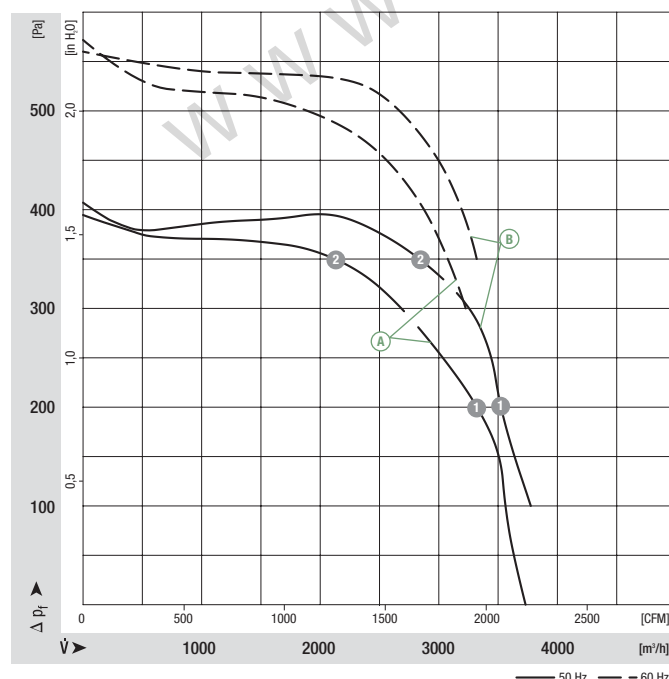
Type	Motor	Curve	Nominal voltage	Frequency	Speed/rpm ⁽¹⁾	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Capacitor	Min. back pressure	Perm. amb. temp.	Electr. connection
			VAC	Hz	rpm	W	A	µF/VDB	Pa	°C	p. 596 f.
D4E 250	M4E 094-LA	A	1~ 230	50	1210	1240	6.00	14.0/500	0	-40 to +40	A2a)
			1~ 230	60	1460	1230	5.54	14.0/500	300	-40 to +45	
D4E 250 ⁽²⁾	M4E 094-LA	B	1~ 230	50	1200	1250	6.00	14.0/500	100	-40 to +40	A2a)
			1~ 230	60	1400	1285	5.90	14.0/500	350	-40 to +40	

subject to alterations

(1) Nominal data in operating point with maximum load

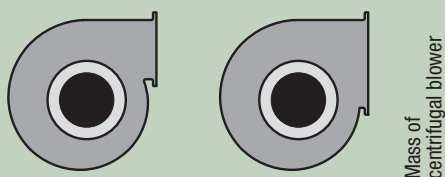
(2) Data collected via exhaust duct (step diffuser, 1 m length)

Curves

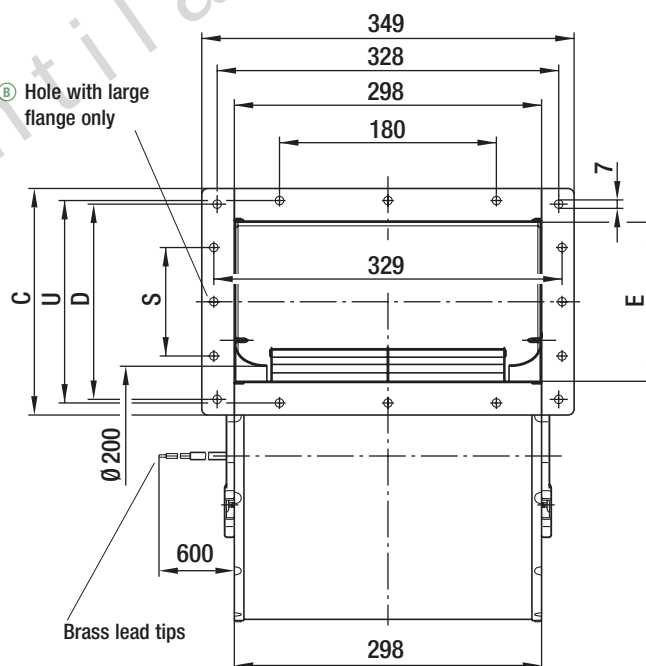
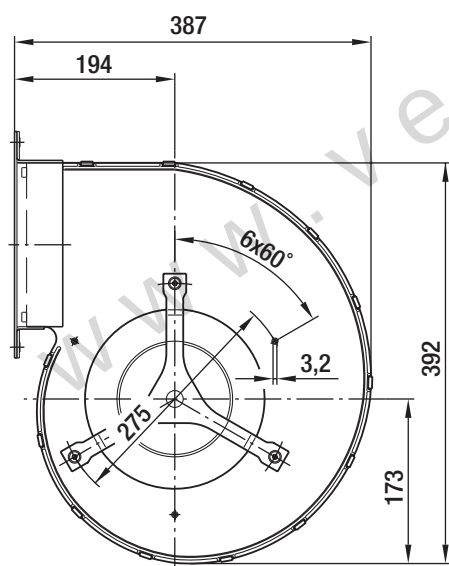


	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]
A 1	1320	975	4.74	71
A 2	1400	665	3.50	65
B 1	1270	1100	5.31	72
B 2	1370	788	3.94	69

- **Motor protection:** Design with thermal overload protector
- **Cable exit:** Axial
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standard:** CE
- **Approvals:**  GOST
- **Options:** Mounting brackets on request



		Mass cent	Dimensions					
Centrifugal blower with flange	Centrifugal blower with flange (large)		kg	C	D	E	S	U
D4E 250-BA01 -01	—	16.3	218.0	190.0	167.0	90.0	198.0	
—	D4E 250-CA01 -01	16.3	313.0	285.0	262.0	180.0	293.0	



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- **Mode of operation:** Continuous operation (S1)
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- **Bearings:** Maintenance-free ball bearings

Nominal data

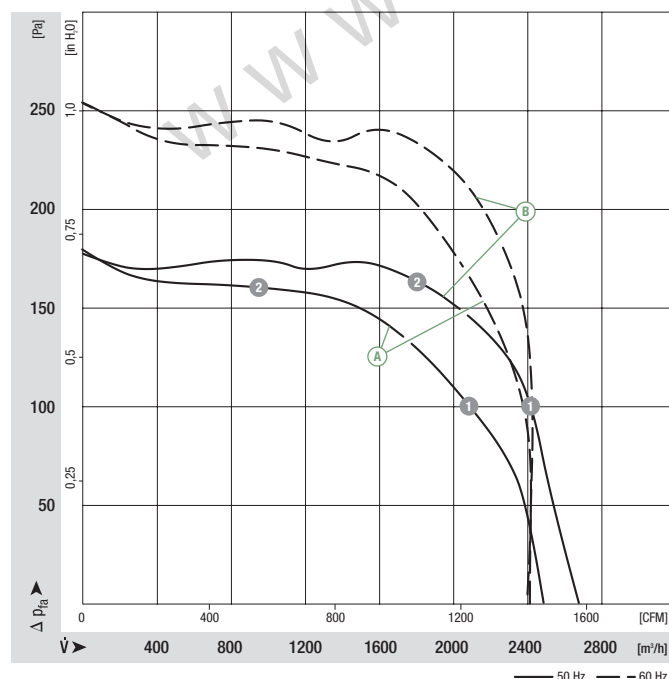
Type	Motor	Curve	Nominal voltage	Frequency	Speed/rpm ⁽¹⁾	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Capacitor	Min. back pressure	Perm. amb. temp.	Electr. connection
			VAC	Hz	rpm	W	A	µF/VDB	Pa	°C	p. 596 f.
D6E 250	M6E 094-HA	(A)	1~ 230	50	800	400	1.85	10.0/400	0	-40 to +80	A2a)
			1~ 230	60	770	480	2.15	10.0/450	0	-40 to +80	
D6E 250 ⁽²⁾	M6E 094-HA	(B)	1~ 230	50	680	470	2.20	10.0/400	0	-40 to +70	A2a)
			1~ 230	60	580	500	2.30	10.0/450	0	-40 to +55	

subject to alterations

(1) Nominal data in operating point with maximum load

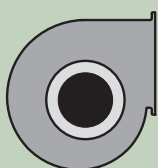
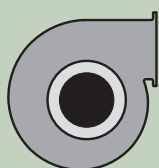
(2) Data collected via exhaust duct (step diffuser, 1 m length)

Curves



	n [rpm]	P ₁ [W]	I [A]	L _{pA} [dB(A)]
(A) 1	890	318	1.51	59
(A) 2	940	244	1.25	53
(B) 1	830	375	1.74	65
(B) 2	900	304	1.45	57

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



Mass of
centrifugal blower

Dimensions

Centrifugal blower with flange	Centrifugal blower with flange (large)	kg	C	D	E	S	U
D6E 250-BA01 -01	—	14.4	218.0	190.0	167.0	90.0	198.0
—	D6E 250-CA01 -01	14.4	313.0	285.0	262.0	180.0	293.0

