

AC centrifugal blowers

dual inlet, Ø 225



- **Material:** Housing: Galvanised sheet steel
Impeller: Galvanised sheet steel
Rotor: Partially cast in aluminium
- **Direction of rotation:** Counter-clockwise, seen on rotor (opposite cable exit)
- **Type of protection:** IP 22
- **Insulation class:** "B"
- **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

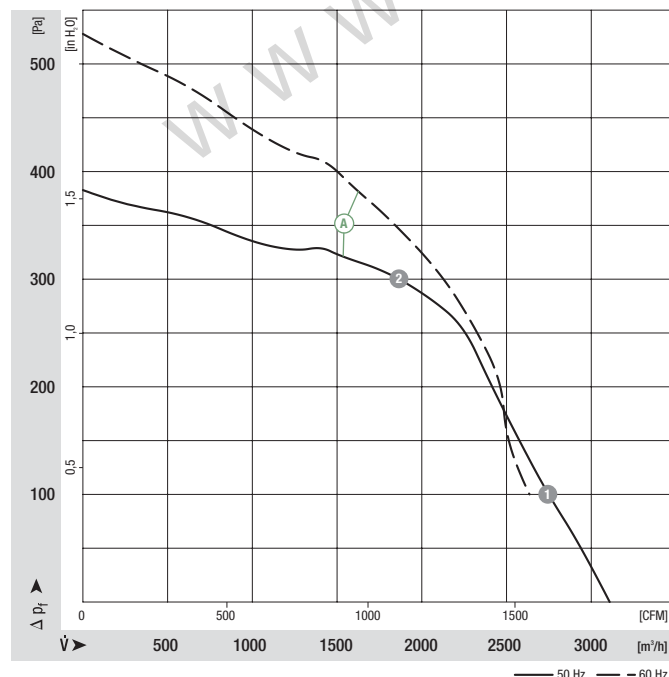
Type	Motor	Curve	Nominal voltage VAC	Frequency Hz	Air flow m³/h	Speed/rpm	Power input W	Current draw A	Capacitor µF/VDB	Sound pressure level dB(A)	Min. back pressure Pa	Perm. amb. temp. °C	Electr. connection p. 596 f.
D4D 225⁽¹⁾⁽²⁾	M4D 074-LA	Ⓐ	3~ 230/400 3~ 230/400	50 60	2980 2430	1000 1050	680 700	1.99/1.15 2.17/1.25	— —	64 62	0 100	-25 to +45 -25 to +35	C1)/C2)

subject to alterations

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

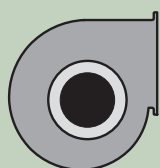
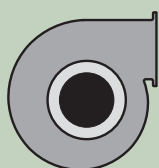
(2) 230 VAC Δ / 400 VAC Y

Curves



	n [rpm]	P ₁ [W]	I [A]
Ⓐ 1	1110	600	1.75/1.02
Ⓐ 2	1300	385	1.13/0.66

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



Mass of
centrifugal blower

Centrifugal blower
with flange

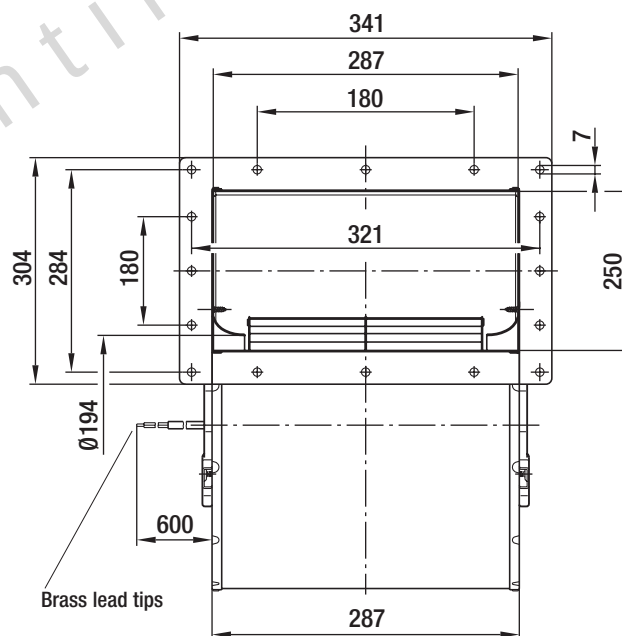
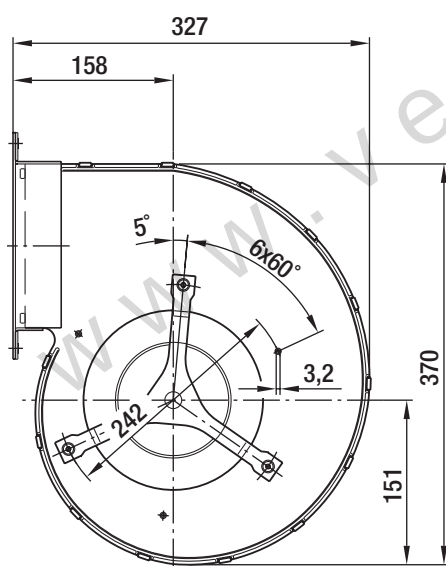
Centrifugal blower
with flange (large)

kg

—

D4D 225-CC01 -02

12.5



AC centrifugal blowers

dual inlet, Ø 225



- **Material:** Housing: Galvanised sheet steel
Impeller: Galvanised sheet steel
Rotor: Partially cast in aluminium
- **Direction of rotation:** Counter-clockwise, seen on rotor (opposite cable exit)
- **Type of protection:** (A) (B) IP 22, (C) IP 54
- **Insulation class:** "B"
- **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

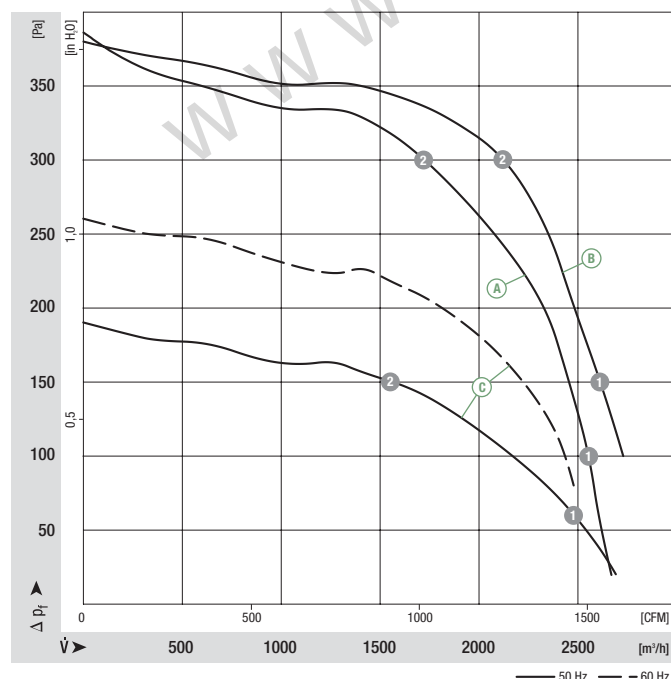
Nominal data

Type	Motor	Curve	Nominal voltage 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.
D4E 225	M4E 074-LA	(A)	1~ 230	50	2600	1100	700	3.05	25.0/400	67	20	-25 to +40	A1)
D4E 225 (1)	M4E 074-LA	(B)	1~ 230	50	2650	1150	650	2.84	25.0/400	65	100	-25 to +40	A1)
D6E 225 (1)	M6E 068-LA	(C)	1~ 230	50	2680	800	365	1.60	10.0/450	59	20	-25 to +40	A1)
			1~ 230	60	2480	900	410	1.80	10.0/450	59	80	-25 to +40	A1)

subject to alterations

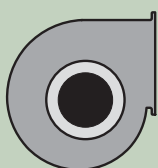
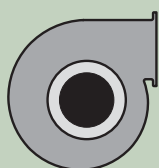
(1) data collected via exhaust duct (step diffuser, length 1 m)

Curves



		n [rpm]	P ₁ [W]	I [A]
(A)	1	1200	660	2.88
(A)	2	1370	480	2.13
(B)	1	1170	680	2.98
(B)	2	1300	550	2.44
(C)	1	850	330	1.45
(C)	2	940	245	1.08

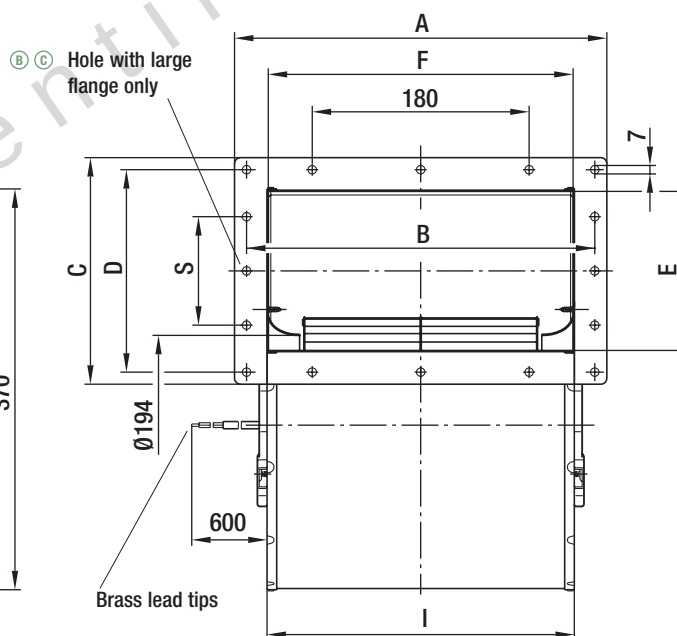
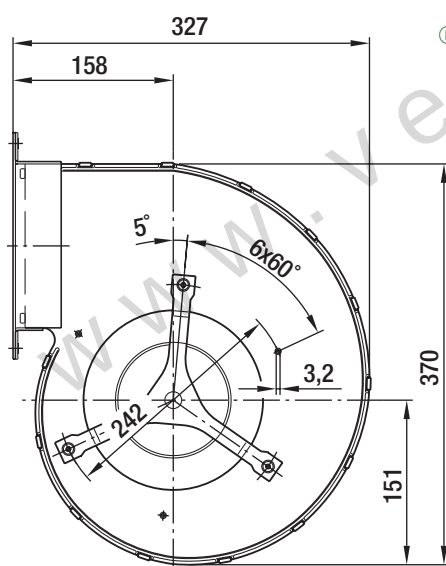
- **Motor protection:** TOP wired internally
- **Cable exit:** Variable
- **Protection class:** I
- **Capacitor:** (A) (B) FPU (P2) acc. to IEC 252
- **Product conforming to standards:** EN 60335-1, CE
- **Approvals:** (A) (B) CCC, (B) GOST



Mass of
centrifugal blower

Dimensions

Centrifugal blower with flange	Centrifugal blower with flange (large)	kg	A	B	C	D	E	F	I	S
D4E 225-BC01 -02	—	12.1	341.0	321.0	200.0	180.0	146.0	287.0	287.0	90.0
—	D4E 225-CC01 -02	12.4	341.0	321.0	304.0	284.0	250.0	287.0	287.0	180.0
—	D6E 225-FB07 -02	12.5	387.0	367.0	304.0	284.0	250.0	333.0	333.0	180.0



AC centrifugal blowers

dual inlet, Ø 225



- **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

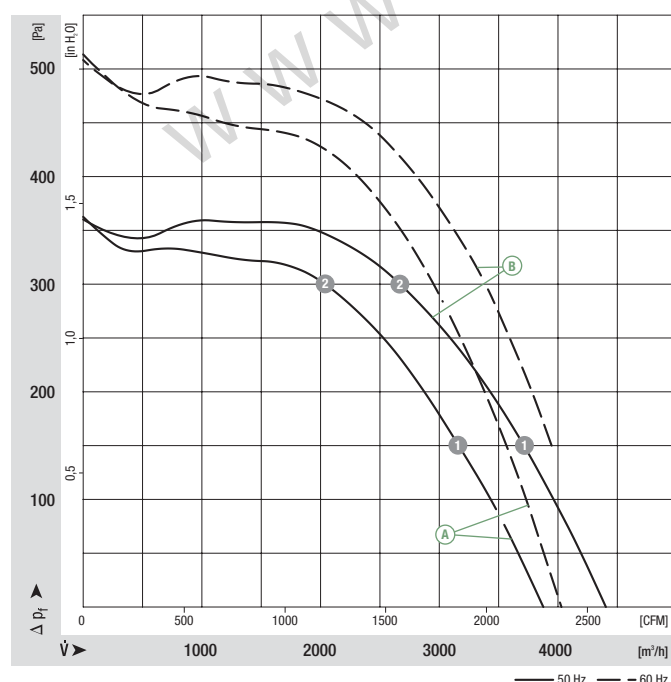
Nominal data		Curve	Nominal voltage	Frequency	Speed/rpm ⁽¹⁾	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Capacitor	Min. back pressure	Perm. amb. temp.	Electr. connection
Type	Motor		VAC	Hz	rpm	W	A	µF/VDB	Pa	°C	p. 596 f.
D4D 225	M4D 094-LA	(A)	3~ 400 Y	50	1300	950	1.82	—	0	-40 to +85	D1)
			3~ 400 Y	60	1350	1320	2.40	—	0	-40 to +40	
D4D 225 ⁽²⁾	M4D 094-LA	(B)	3~ 400 Y	50	1230	1140	2.10	—	0	-40 to +70	D1)
			3~ 400 Y	60	1360	1280	2.30	—	150	-40 to +50	

subject to alterations

(1) Nominal data in operating point with maximum load

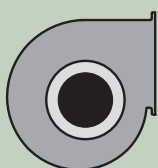
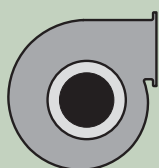
(2) Data collected via exhaust duct (step diffuser, 1 m length)

Curves



	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]
(A) 1	1360	717	1.50	69
(A) 2	1420	454	1.18	63
(B) 1	1320	877	1.70	72
(B) 2	1390	589	1.31	65

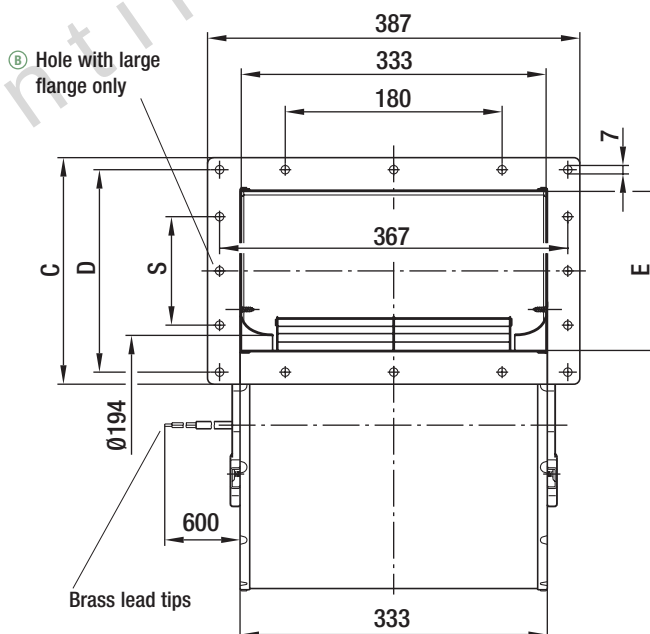
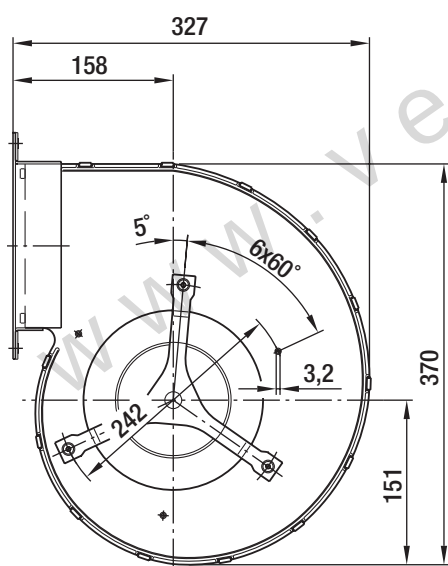
- **Motor protection:** Design with thermal overload protector
- **Cable exit:** Axial
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standard:** CE
- **Approvals:**  GOST
- **Options:** 400 VAC Δ/Y for two speed steps available on request, mounting brackets on request



Mass of
centrifugal blower

Dimensions

Centrifugal blower with flange	Centrifugal blower with flange (large)	kg	C	D	E	S
D4D 225-FH02 -01	—	15.6	200.0	180.0	146.0	90.0
—	D4D 225-GH02 -01	15.6	304.0	284.0	250.0	180.0



AC centrifugal blowers

dual inlet, Ø 225



- **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

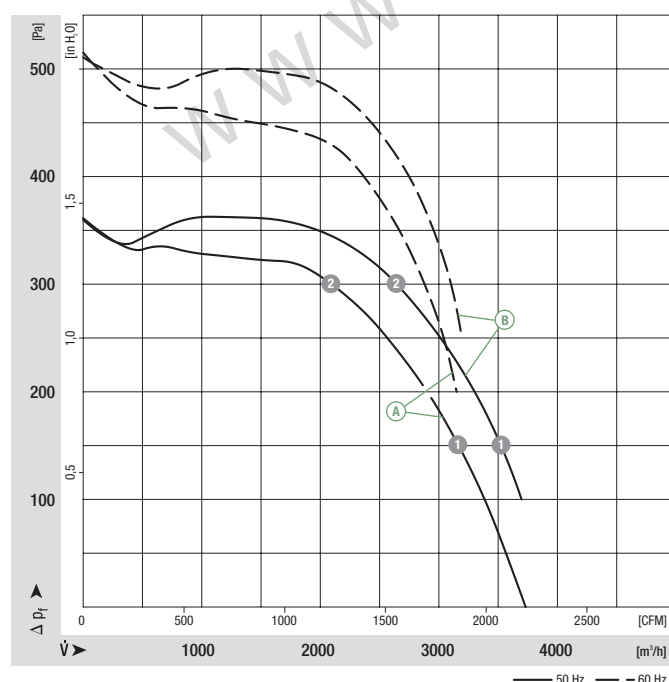
Nominal data		Curve	Nominal voltage	Frequency	Speed/rpm ⁽¹⁾	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Capacitor	Min. back pressure	Perm. amb. temp.	Electr. connection
Type	Motor		VAC	Hz	rpm	W	A	µF/VDB	Pa	°C	p. 596 f.
D4E 225	M4E 094-LA	A	1~ 230	50	1230	1060	5.38	10.0/450	0	-40 to +55	A2a)
			1~ 230	60	1410	1085	5.24	10.0/500	200	-40 to +45	
D4E 225 ⁽²⁾	M4E 094-LA	B	1~ 230	50	1230	1060	5.38	10.0/450	100	-40 to +55	A2a)
			1~ 230	60	1370	1120	5.40	10.0/500	250	-40 to +45	

subject to alterations

(1) Nominal data in operating point with maximum load

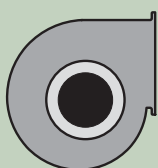
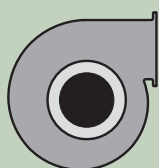
(2) Data collected via exhaust duct (step diffuser, 1 m length)

Curves



	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]
A 1	1330	802	4.16	69
A 2	1410	530	3.08	63
B 1	1270	947	4.81	71
B 2	1380	652	3.52	65

- **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 of
centrifugal blower

Dimensions

Centrifugal blower with flange	Centrifugal blower with flange (large)	kg	C	D	E	S
D4E 225-EH01 -01	—	16.7	200.0	180.0	146.0	90.0
—	D4E 225-DH01 -01	16.7	304.0	284.0	250.0	180.0

