

AC centrifugal blowers

dual inlet, Ø 146

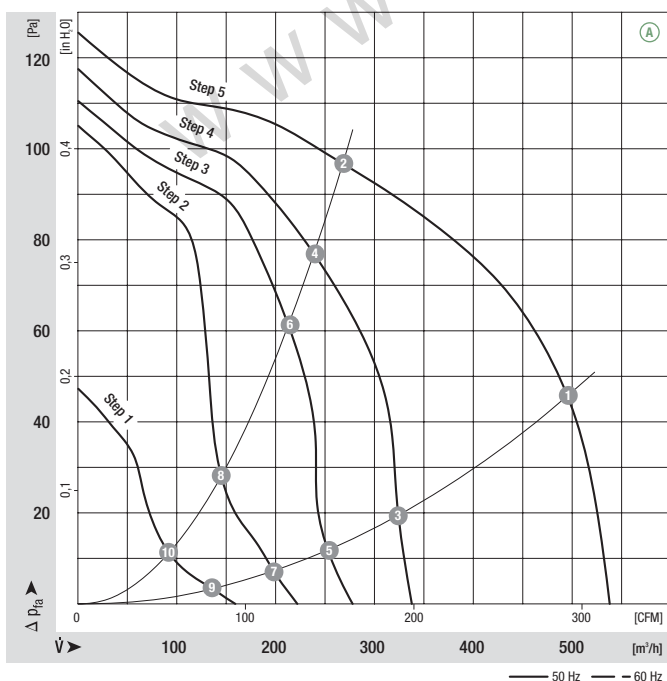


- **Material:** Housing: PP plastic, black
Impeller: PA plastic, black
Rotor: Partially cast in aluminium
Terminal box: PP plastic, black
- **Direction of rotation:** Counter-clockwise, seen on cable exit
- **Type of protection:** IP 44
- **Insulation class:** "F"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Design:** 5-step blower with integrated terminal box, EW motor anti-vibration mounted on both sides
- **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		
D4E 146	M4E 068-CF	Ⓐ 1~ 230 1~ 230	50 60	565 510	780 710	65 68	0.29 0.30	2.0/400 2.0/400	46 42	0 0	-25 to +50 -25 to +40	—	

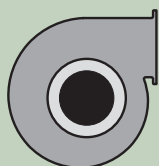
subject to alterations

Curves



	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]
Ⓐ 1	1080	58	0.25	45
Ⓐ 2	1345	43	0.19	46
Ⓐ 3	695	52	0.23	33
Ⓐ 4	1210	39	0.18	43
Ⓐ 5	560	48	0.22	26
Ⓐ 6	1080	40	0.19	39
Ⓐ 7	450	20	0.16	21
Ⓐ 8	735	20	0.16	29
Ⓐ 9	315	13	0.13	17
Ⓐ 10	475	13	0.13	20

- **Motor protection:** TOP wired internally
- **Connection leads:** Via plug
- **Protection class:** I
- **Capacitor:** FPU (P2) integrated in terminal box completely wired up and ready for plug-in
- **Product conforming to standards:** EN 60335-1, CE



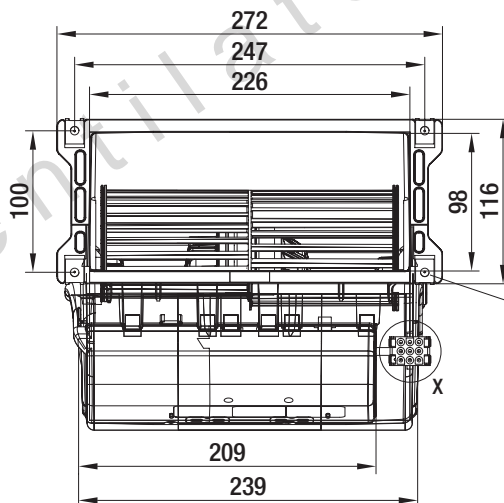
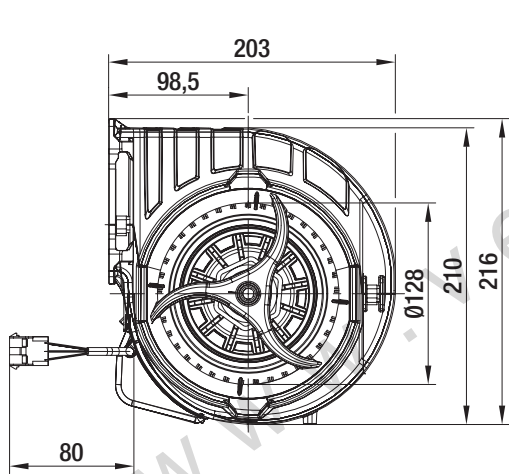
Mass of centrifugal blower

Centrifugal blower with flange

kg

D4E 146-LV19 -14

2.5

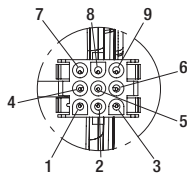


4 x sheet metal nut for thread EN ISO 1478-ST4.8 (min. screw length 14.5 mm plus thickness of mounting material)

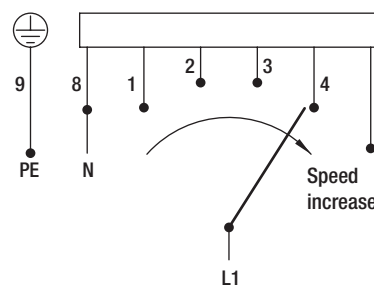
View X

AMP Universal Mate-N-Lok coded plug system
Connector shell: AMP 927 231-3
7 x plug pin: AMP 926 886-1

- 1 = Step 1 (min.)
- 2 = Step 2
- 3 = Step 3
- 4 = Step 4
- 5 = Step 5 (max.)
- 8 = N
- 9 = Protective earth



Electrical connection:
When changing speeds, switch must break the circuit



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dual inlet, Ø 146

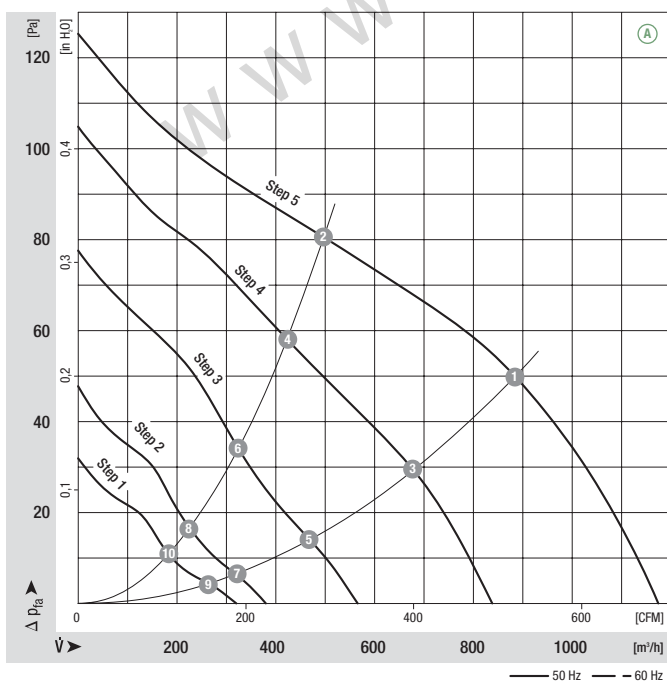


- **Material:** Housing: PP plastic, black
Impeller / motor suspension: PA plastic, black
Rotor: Partially cast in aluminium
Terminal box: PP plastic, black
- **Direction of rotation:** Counter-clockwise, seen on cable exit
- **Type of protection:** IP 44
- **Insulation class:** "F"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Design:** 5-step dual blower with integrated terminal box, standard external-rotor motor anti-vibration mounted on both sides
- **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		
K4E 146	M4E 068-DF	Ⓐ 1~ 230	50	1180	750	85	0.38	2.5/450	47	0	-25 to +50	—	

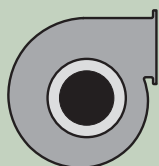
subject to alterations

Curves



	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]
Ⓐ 1	1050	76	0.33	45
Ⓐ 2	1240	65	0.28	46
Ⓐ 3	810	59	0.27	39
Ⓐ 4	1060	51	0.24	41
Ⓐ 5	570	47	0.22	29
Ⓐ 6	820	43	0.21	35
Ⓐ 7	400	13	0.15	25
Ⓐ 8	580	13	0.15	28
Ⓐ 9	330	10	0.13	25
Ⓐ 10	480	10	0.13	26

- **Motor protection:** TOP wired internally
- **Connection leads:** Via plug
- **Protection class:** I
- **Capacitor:** FPU (P2) integrated in terminal box completely wired up and ready for plug-in
- **Product conforming to standards:** EN 60335-1, CE
- **Approvals:** CCC



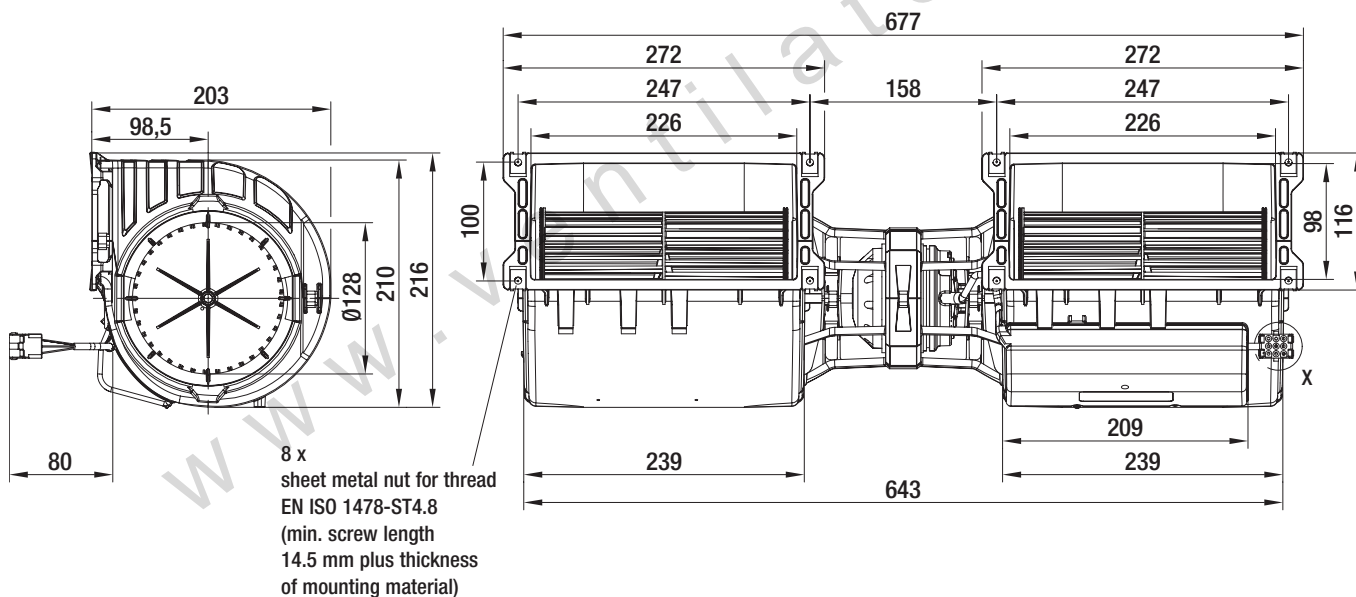
Mass of dual centrifugal blower

Dual centrifugal blower with flange

kg

K4E 146-AB73 -21

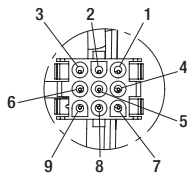
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View X

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 Connector shell: AMP 927 231-3
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- 1 = Step 1 (min.)
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- 3 = Step 3
- 4 = Step 4
- 5 = Step 5 (max.)
- 8 = N
- 9 = Protective earth



Electrical connection:
 When changing speeds, switch must break the circuit

