

# Radial blowers dual inlet

D2E 140

with AC external-rotor motor



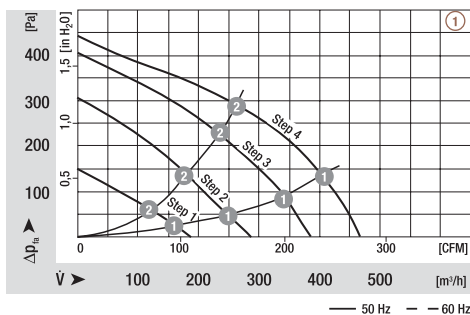
- **Material:** Housing: PP plastic, black  
Impeller: PP plastic, white  
Rotor: Partially cast in aluminium  
Terminal box: PP plastic, black
  - **Direction of rotation:** Clockwise, seen on rotor
  - **Type of protection:** IP 44
  - **Insulation class:** "F"
  - **Mounting position:** Any
  - **Condensate discharges:** None
  - **Mode of operation:** Continuous operation (S1)
  - **Design:** 4-step blower with integrated terminal box, standard external-rotor motor anti-vibration mounted on one side
- ebm-papst • Muldingen**

Nominal data		characteristic curve	voltage	frequency	air flow	speed	power input	rated current	capacitor	noise level	back pressure min.	perm. ambient temp.
type	motor		VAC	Hz	m <sup>3</sup> /h	min <sup>-1</sup>	W	A	µF/VDB	dB(A)	Pa	°C
D2E 140	M2E 068-CF	①	1~ 230	50	470	1150	130	0,58	2,0/400	58	0	-25 to +50
			1~ 230	60	430	1050	130	0,58	2,0/400	56	0	-25 to +40

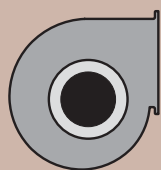
subject to alterations

	n [min-1]	P <sub>1</sub> [W]	I [A]	L <sub>pA</sub> [dBA]
① ① Step 1	690	56	0,26	36
① ② Step 1	1015	55	0,25	38
① ① Step 2	1000	73	0,33	46
① ② Step 2	1540	68	0,31	49
① ① Step 3	1385	93	0,41	52
① ② Step 3	2020	80	0,36	56
① ① Step 4	1675	118	0,51	56
① ② Step 4	2235	100	0,43	59

## Characteristic curves



- **Bearings:** Maintenance-free ball bearings
- **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 60335-2-31, CE
- **Approvals:** VDE



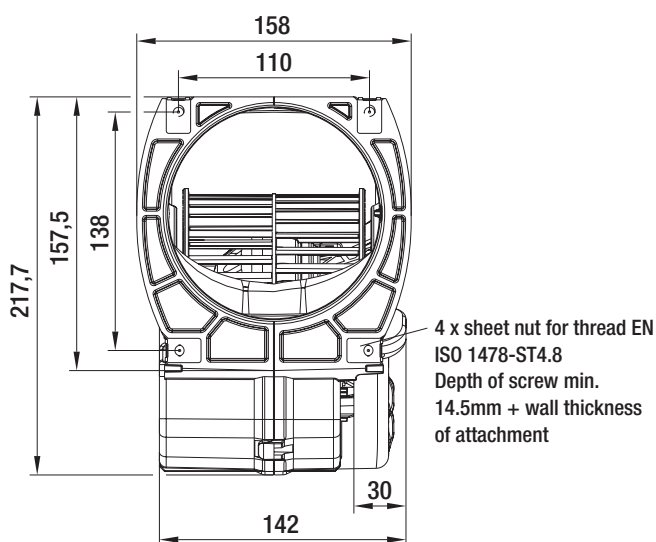
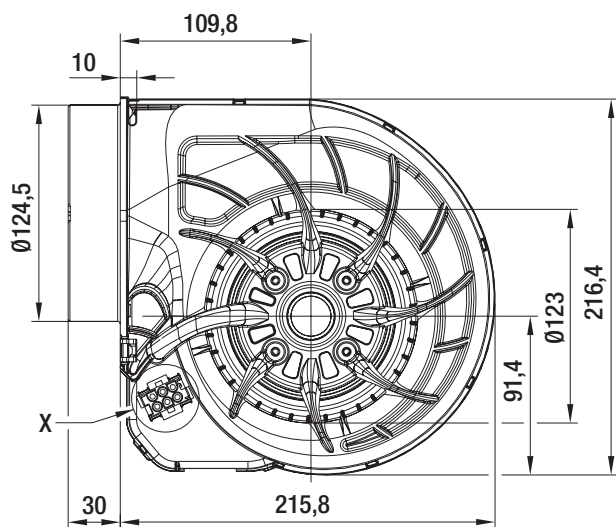
Mass of centrifugal blower

Centrifugal blower with flange

kg

D2E 140-HR97 -07

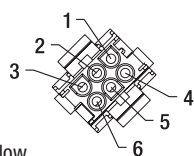
2,3



**Detail X**

Coded plug system AMP Universal-Mate-N-Lok  
connector shell: AMP 926 682-3  
6 x pin connector: AMP 926 886-1

- 1 = step 1 (min.) white
- 2 = step 2 red
- 3 = step 3 grey
- 4 = step 4 (max.) black
- 5 = N blue
- 6 = Ground green/yellow



**Connection diagram**

Switch has to break contact when turned.

