

Radial blowers dual inlet

D2E 146 with AC external-rotor motor



- **Material:** Housing: PP plastic, black
Impeller: PP plastic, red-brown
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 via support plate
- ebm-papst • Muldingen**

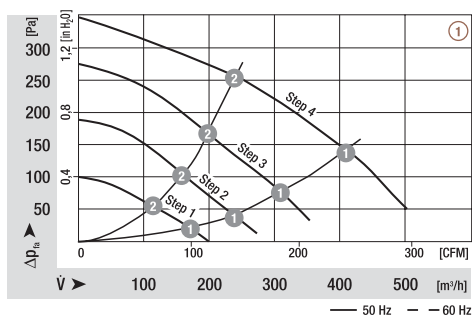
Nominal data		characteristic curve	voltage	frequency	air flow	speed	power input	rated current	capacitor	noise level	back pressure min.	perm. ambient temp.
type	motor		VAC	Hz	m3/h	min-1	W	A	µF/VDB	dB(A)	Pa	°C
D2E 146	M2E 068-CA	①	1~ 230	50	520	1350	120	0,53	3,0/400	51	50	-25 to +55
			1~ 230	60	375	1400	125	0,55	3,0/400	53	100	-25 to +40
D2E 146	M2E 068-CF	②	1~ 230	50	665	1250	160	0,70	4,0/400	53	0	-25 to +50
			1~ 230	60	390	1950	170	0,75	4,0/400	58	200	-25 to +40

subject to alterations

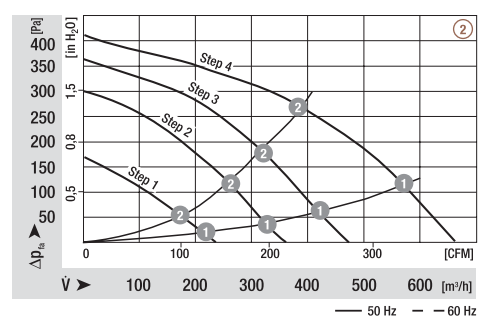
			n [min ⁻¹]	P ₁ [W]	I [A]	L _{pA} [dBA]
①	①	Step 1	660	48	0,27	31
①	②	Step 1	960	46	0,26	38
①	①	Step 2	925	58	0,31	40
①	②	Step 2	1355	55	0,30	47
①	①	Step 3	1210	72	0,36	48
①	②	Step 3	1740	66	0,35	53
①	①	Step 4	1635	113	0,49	55
①	②	Step 4	2115	104	0,45	58

			n [min-1]	P ₁ [W]	I [A]
②	①	Step 1	660	71	0,37
②	②	Step 1	960	68	0,36
②	①	Step 2	950	85	0,43
②	②	Step 2	1440	80	0,42
②	①	Step 3	1230	101	0,50
②	②	Step 3	1800	92	0,47
②	①	Step 4	1675	151	0,66
②	②	Step 4	2185	136	0,60

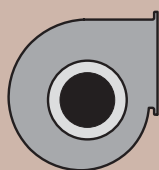
Characteristic curves



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



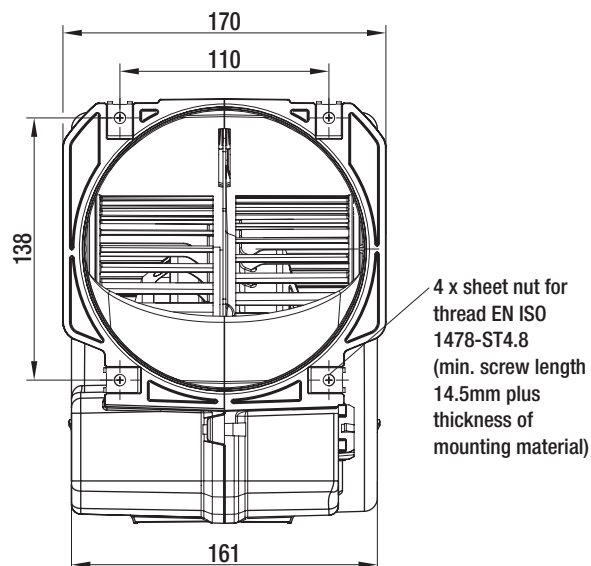
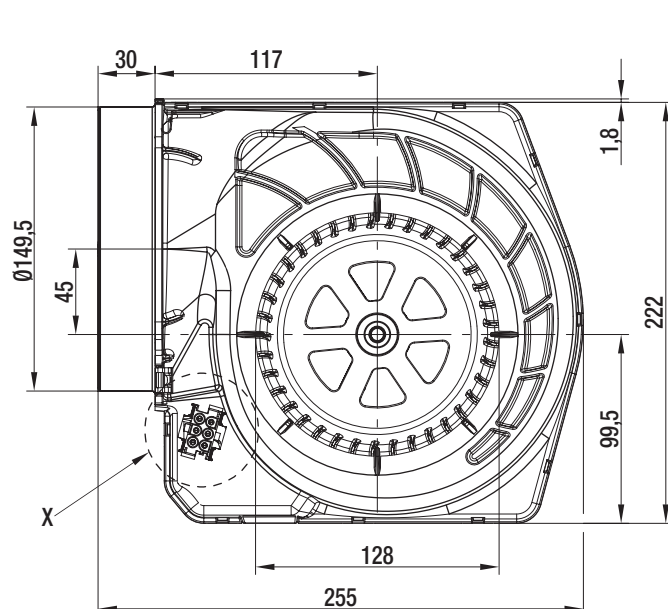
Mass of
centrifugal blower

Centrifugal blower
with flange

kg

D2E 146-KA45 -01 2,5

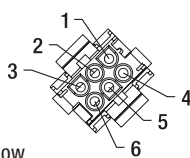
D2E 146-KB27 -01 2,7



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.

