

W2E200-HK86-01

# AC axial compact fan



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## Nominal data

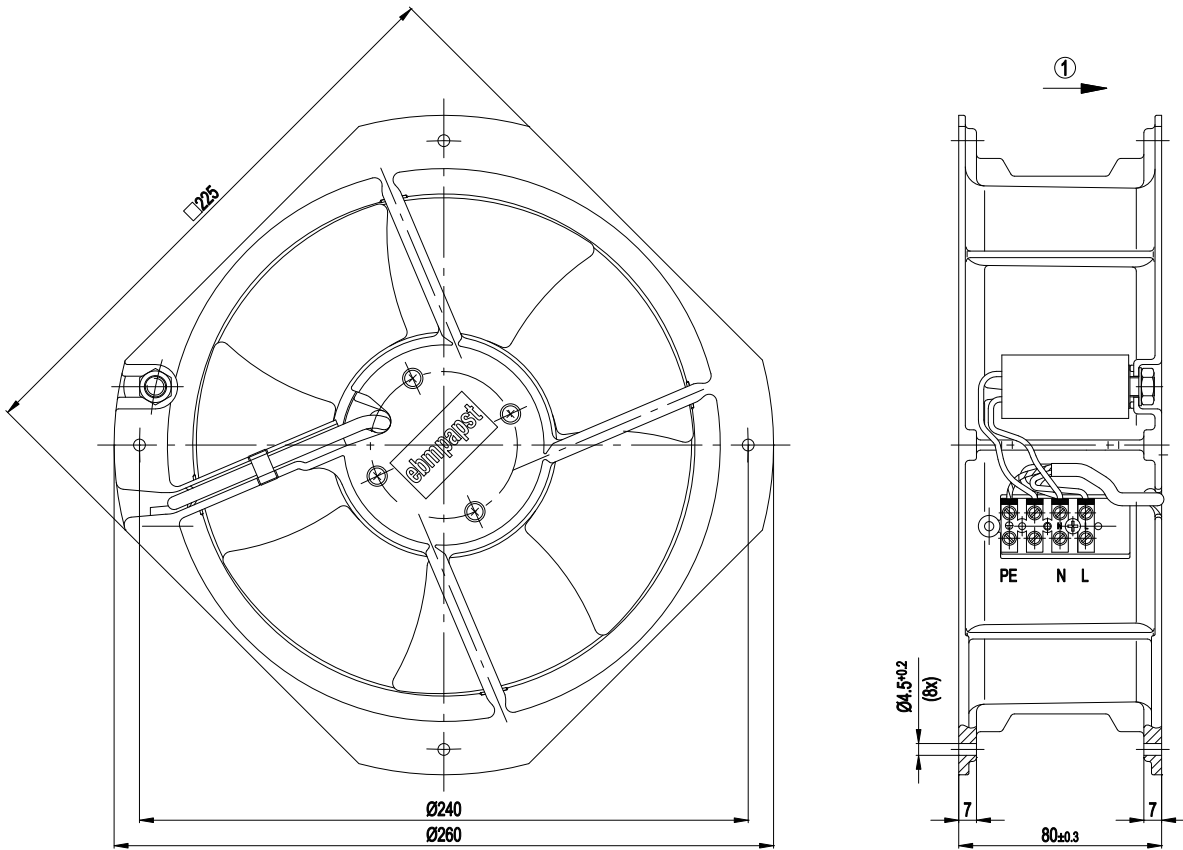
Type	W2E200-HK86-01		
Motor	M2E068-BF		
Phase		1~	1~
Nominal voltage	[V]	115	115
Frequency	[Hz]	50	60
Type of data definition		rfa	rfa
Valid for approval / standard		CE	CE
Speed	[min <sup>-1</sup> ]	2550	2800
Power input	[W]	64	80
Current draw	[A]	0.58	0.70
Motor capacitor	[μF]	5	5
Capacitor voltage	[VDB]	220	220
Capacitor standard		P0 (CE)	P0 (CE)
Max. back pressure	[Pa]	100	120
Max. ambient temperature	[°C]	60	65

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit  
Subject to alterations

### Technical features

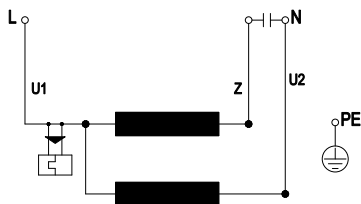
Leackage current	< 0.75 mA
Size	200 mm
Operation mode	S1
Direction of rotation	Counter-clockwise, seen on rotor
Mounting position	Any
Electrical leads	Via terminals, capacitor connected via terminals
Humidity class	F0
Direction of air flow	"V"
Insulation class	"B"
Cable exit	Variable
Condensate discharge holes	None
Bearing motor	Ball bearing
Mass	2.0 kg
Material of blades	Sheet steel, coated in black
Material of wall ring	Die-cast aluminium
Motor protection	Thermal overload protector (TOP) wired internally
Product conforming to standard	CE; EN 60335-1
Surface of rotor	Coated in black
Number of blades	7
Type of protection	IP 44; Depending on installation and position
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CCC; CSA C22.2 Nr.113; GOST; UL 507; VDE

## Product drawing



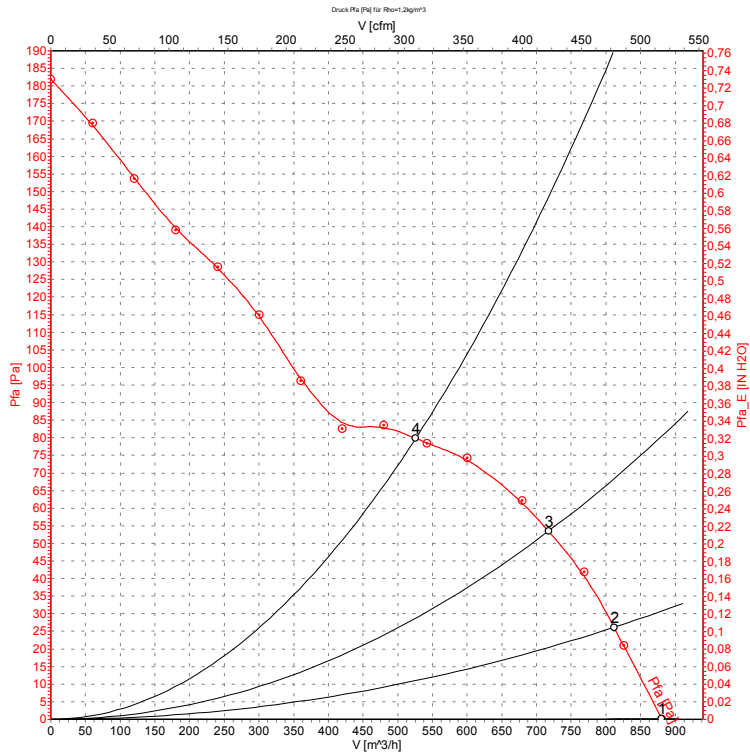
1 Direction of air flow "V"

## Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

## Charts: Air flow 50 Hz

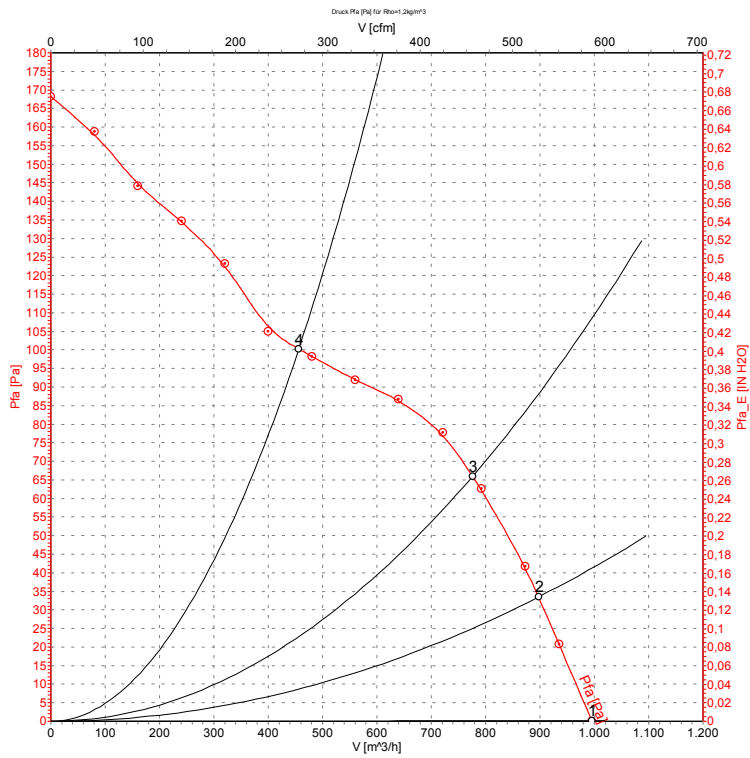


Measurement: LU-72320

### Measured values

	U	f	n	$P_1$	I	$\hat{V}$	$P_{fa}$
	[V]	[Hz]	[ $min^{-1}$ ]	[W]	[A]	[ $m^3/h$ ]	[Pa]
1	115	50	2640	56	0.56	880	0
2	115	50	2595	58	0.57	810	26
3	115	50	2550	61	0.58	720	54
4	115	50	2480	64	0.60	525	80

## Charts: Air flow 60 Hz



Measurement: LU-72321

### Measured values

	U	f	n	P <sub>1</sub>	I	$\hat{V}$	P <sub>fa</sub>
	[V]	[Hz]	[min <sup>-1</sup> ]	[W]	[A]	[m³/h]	[Pa]
1	115	60	2980	67	0.58	995	0
2	115	60	2880	71	0.62	895	34
3	115	60	2790	75	0.65	775	66
4	115	60	2660	80	0.69	455	100