

## Nominal data

<b>Type</b>	<b>W2E143-AB15-06</b>		
<b>Motor</b>	<b>M2E052-BF</b>		
Phase		1~	1~
Nominal voltage	VAC	115	115
Frequency	Hz	50	60
Type of data definition		fa	fa
Valid for approval / standard		CE	CE
Speed	min <sup>-1</sup>	2850	3300
Power input	W	26	29
Current draw	A	0.25	0.26
Motor capacitor	µF	3	3
Capacitor voltage	VDB	250	250
Capacitor standard		P0 (CE)	P0 (CE)
Max. ambient temperature	°C	60	75

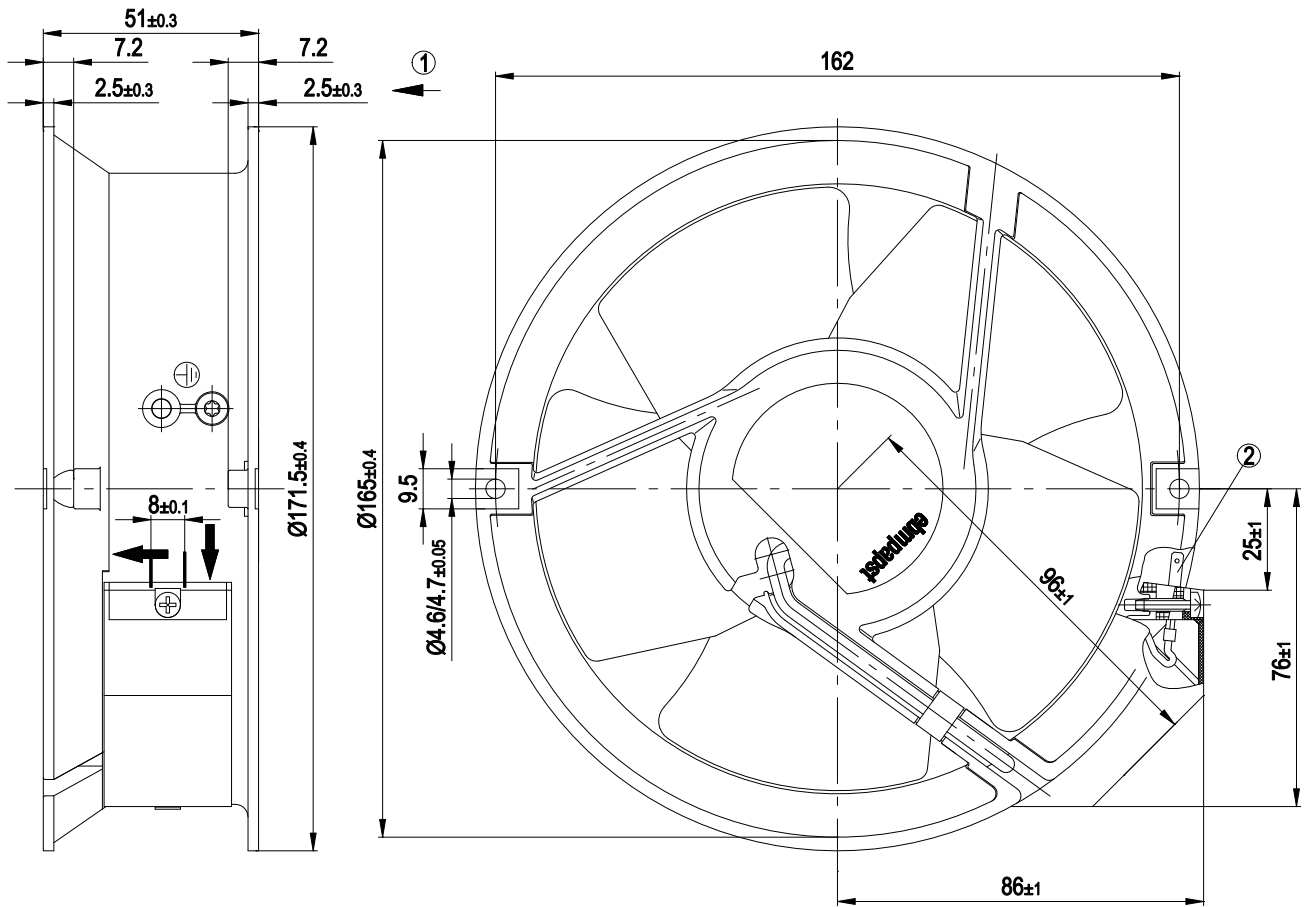
ml = max. load · me = max. efficiency · fa = running at free air · cs = customer specs · cu = customer unit  
Subject to alterations



## Technical features

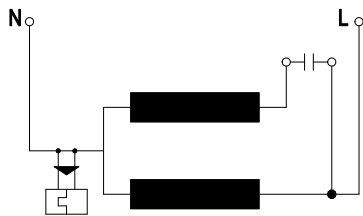
<b>Mass</b>	0.9 kg
<b>Size</b>	143 mm
<b>Surface of rotor</b>	Rotor open, coated in black
<b>Material of blades</b>	Sheet steel, coated in black
<b>Material of wall ring</b>	Die-cast aluminium, coated in black
<b>Number of blades</b>	5
<b>Direction of air flow</b>	"V"
<b>Direction of rotation</b>	Counter-clockwise, seen on rotor
<b>Type of protection</b>	IP 20
<b>Insulation class</b>	"B"
<b>Max. permissible ambient motor temp. (transp./ storage)</b>	+ 80 °C
<b>Min. permissible ambient motor temp. (transp./storage)</b>	- 40 °C
<b>Mounting position</b>	Any
<b>Condensate discharge holes</b>	None, open rotor
<b>Operation mode</b>	S1
<b>Motor bearing</b>	Ball bearing
<b>Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)</b>	< 0.75 mA
<b>Electrical leads</b>	With plug
<b>Motor protection</b>	Thermal overload protector (TOP) wired internally
<b>Protection class</b>	I (if protective earth is connected by customer)
<b>Product conforming to standard</b>	EN 60335-1; CE
<b>Approval</b>	UL 507; VDE; CSA C22.2 Nr.113

## Product drawing

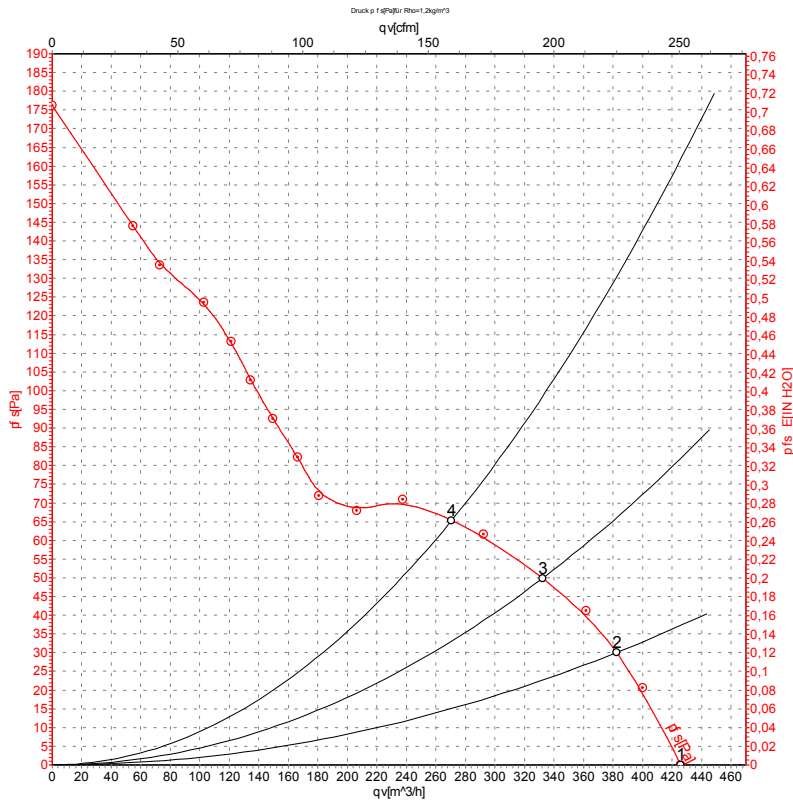


- |   |                           |
|---|---------------------------|
| 1 | Direction of air flow "V" |
| 2 | Flat plug 2.8 x 0.5 mm    |

## Connection screen



## Charts: Air flow 50 Hz



Measurement: LU-31564

Air performance measured as per ISO 5801 Installation category A. For detailed information on the measuring set-up, please contact ebm-papst. Suction-side noise levels: L<sub>wA</sub> measured as per ISO 13347 / L<sub>pA</sub> measured with 1m distance to fan axis. The values given are valid under the measuring conditions mentioned above and may vary according to the actual installation situation. With any deviation from the standard set-up, the specific values have to be checked and reviewed with the unit installed.

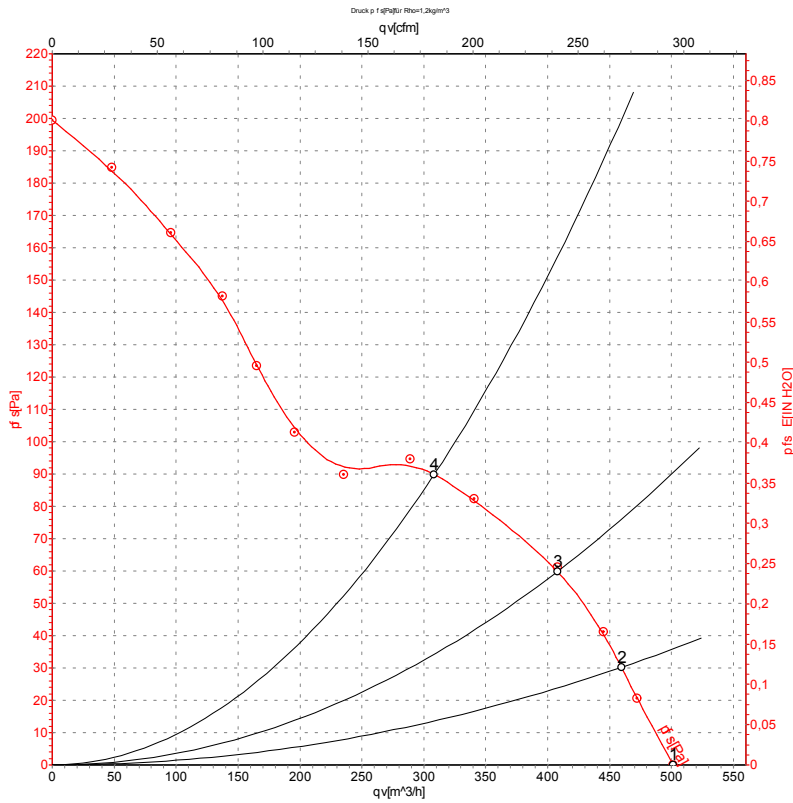
## Measured values

	U	f	n	P <sub>e</sub>	I	qv	p <sub>fs</sub>
	V	Hz	min <sup>-1</sup>	W	A	m <sup>3</sup> /h	Pa
1	115	50	2850	26	0.25	425	0
2	115	50	2790	27	0.25	380	30
3	115	50	2775	27	0.26	330	50
4	115	50	2765	28	0.26	270	65

U = Supply voltage · f = Frequency · n = Speed · P<sub>e</sub> = Power input · I = Current draw · qv = Air flow · p<sub>fs</sub> = Pressure increase



## Charts: Air flow 60 Hz



Measurement: LU-31565

Air performance measured as per ISO 5801 Installation category A. For detailed information on the measuring set-up, please contact ebm-papst. Suction-side noise levels: LwA measured as per ISO 13347 / LpA measured with 1m distance to fan axis. The values given are valid under the measuring conditions mentioned above and may vary according to the actual installation situation. With any deviation from the standard set-up, the specific values have to be checked and reviewed with the unit installed.

## Measured values

	U	f	n	P <sub>e</sub>	I	qv	P <sub>fs</sub>
	V	Hz	min <sup>-1</sup>	W	A	m <sup>3</sup> /h	Pa
1	115	60	3300	29	0.26	500	0
2	115	60	3230	32	0.27	460	30
3	115	60	3200	33	0.28	410	60
4	115	60	3165	34	0.29	310	90

U = Supply voltage · f = Frequency · n = Speed · P<sub>e</sub> = Power input · I = Current draw · qv = Air flow · P<sub>fs</sub> = Pressure increase

