W2E200-HH64-05

AC axial compact fan

sickled blades (S series)

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Nominal data

Type	**W2E200-HH64-05**
Motor	**M2E068-BF**

Phase		1~	1~	1~
Nominal voltage	VAC	230	230	230
Frequency	Hz	50	60	60
Type of data definition		fa	fa	fa
Valid for approval / standard		CE	CE	UL 2111
Speed	min^{-1}	2400	2450	2450
Power input	W	48	60	68
Current draw	A	0.21	0.26	0.30
Motor capacitor	µF	1	1	1
Capacitor voltage	VDB	400	400	400
Capacitor standard		P0 (CE)	P0 (CE)	UL
Max. back pressure	Pa	60	50	50
Min. ambient temperature	°C	-25	-25	-25
Max. ambient temperature	°C	70	60	60

ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit
Subject to alterations

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Technical features

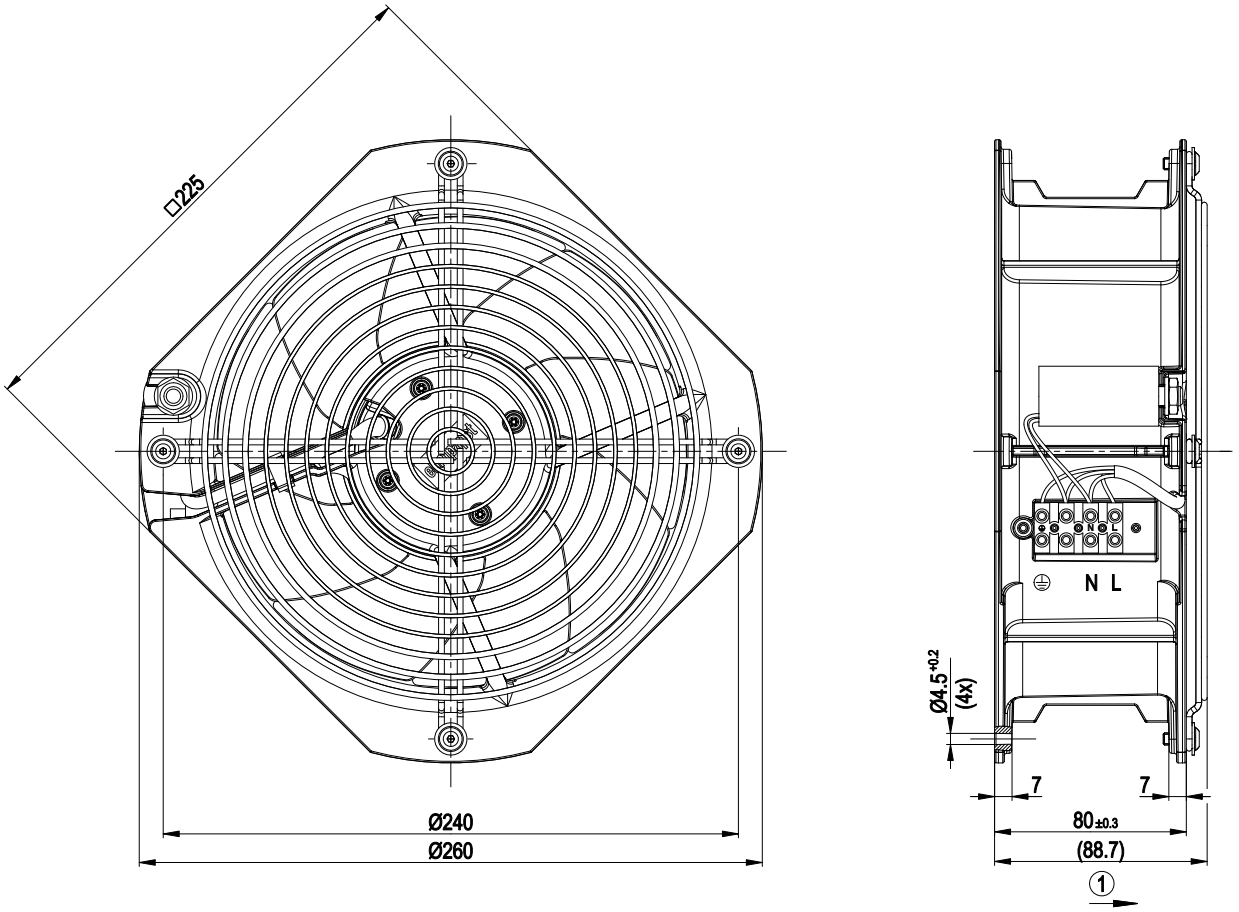
Mass	2.3 kg
Size	200 mm
Surface of rotor	Coated in black
Material of blades	Sheet steel, coated in black
Housing material	Die-cast aluminium
Material of guard grille	Steel, coated in grey plastic (RAL 9006)
Number of blades	9
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position
Insulation class	"B"
Humidity class	F0
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Any
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Electrical leads	Via terminals, capacitor connected via terminals
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Variable
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	CSA; VDE

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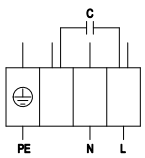
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Product drawing



1	Direction of air flow "V"

Connection screen



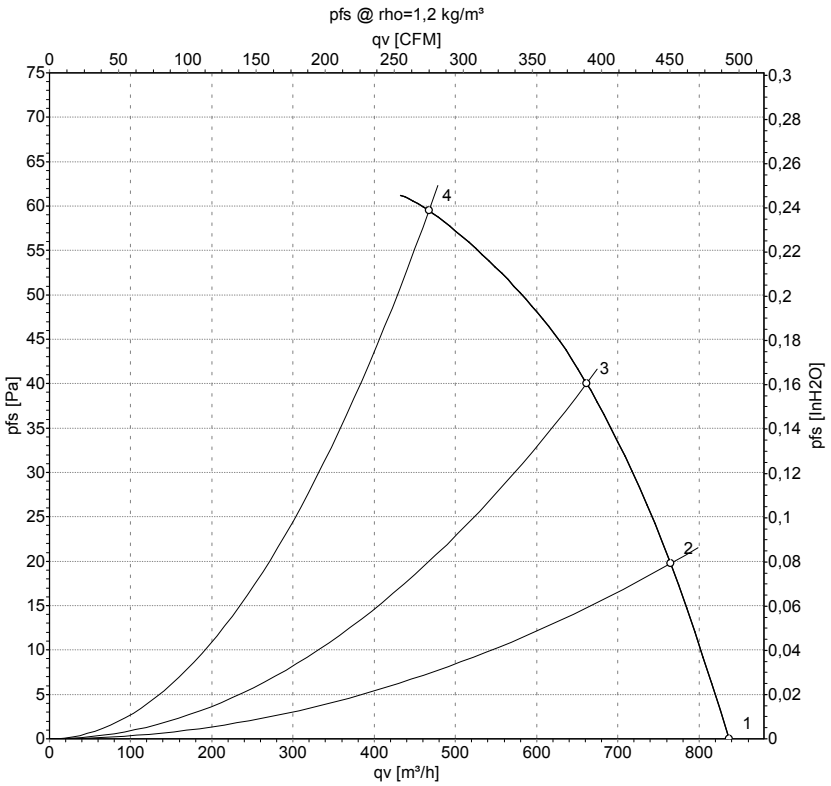
PE	green/yellow	N	blue	L	black

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sickled blades (S series)

Charts: Air flow 50 Hz



Measurement: LU-20468

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_e	I	qv	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa
1	230	50	2400	48	0.21	835	0
2	230	50	2260	52	0.23	765	20
3	230	50	2185	54	0.24	660	40
4	230	50	2055	57	0.25	465	60

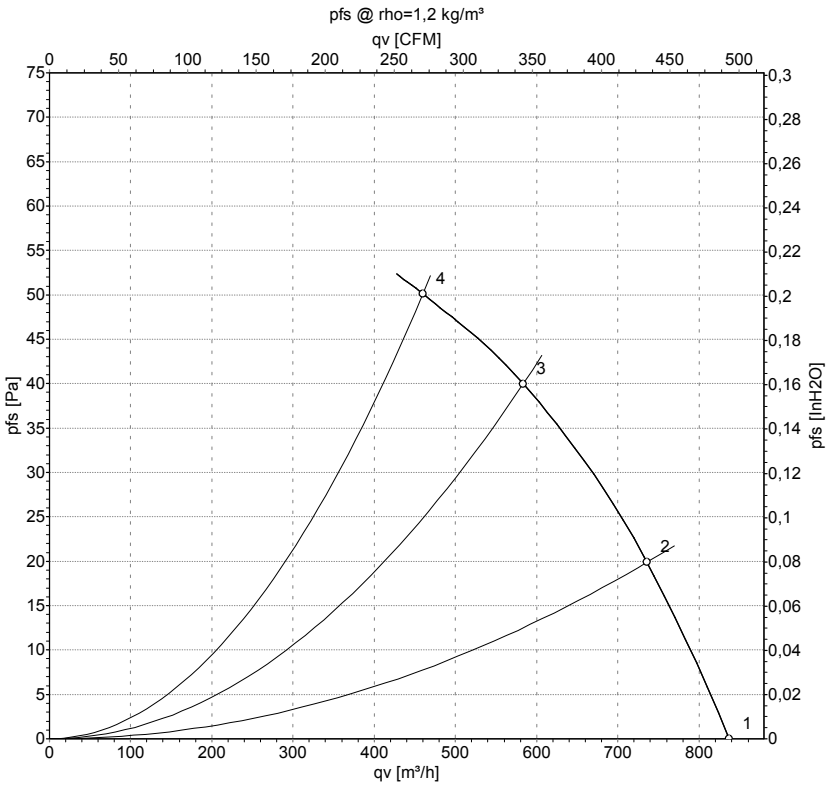
U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

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AC axial compact fan

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Charts: Air flow 60 Hz



Measurement: LU-20469

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_e	I	qv	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa
1	230	60	2450	60	0.26	835	0
2	230	60	2170	64	0.28	735	20
3	230	60	2020	66	0.28	585	40
4	230	60	1940	67	0.29	460	50

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

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