W4E315-CP32-37

AC axial fan

sickled blades (S series)

Wall ring with guard grille

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Nominal data

Type	**W4E315-CP32-37**
Motor	**M4E068-DF**

Phase		1~	1~
Nominal voltage	VAC	208	208
Frequency	Hz	60	60
Type of data definition		fa	fa
Valid for approval / standard		UL	CE
Speed (rpm)	min^{-1}	1640	1640
Power input	W	115	115
Current draw	A	0.56	0.56
Motor capacitor	µF	5	5
Capacitor voltage	VDB	400	400
Capacitor standard		UL	P0 (CE)
Max. ambient temperature	°C	40	40

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	4.66 kg
Size	315 mm
Surface of rotor	Coated in black
Material of blades	Sheet steel, coated in black
Material of wall ring	Sheet steel, pre-galvanised and coated in black plastic
Material of guard grille	Steel, phosphated and coated in black plastic
Number of blades	5
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position as per EN 60034-5
Insulation class	"B"
Humidity (F)/environmental protection class (H)	F1-2
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Condensate discharge holes	Rotor-side
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Axial
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	CSA C22.2 No.77; UL 2111

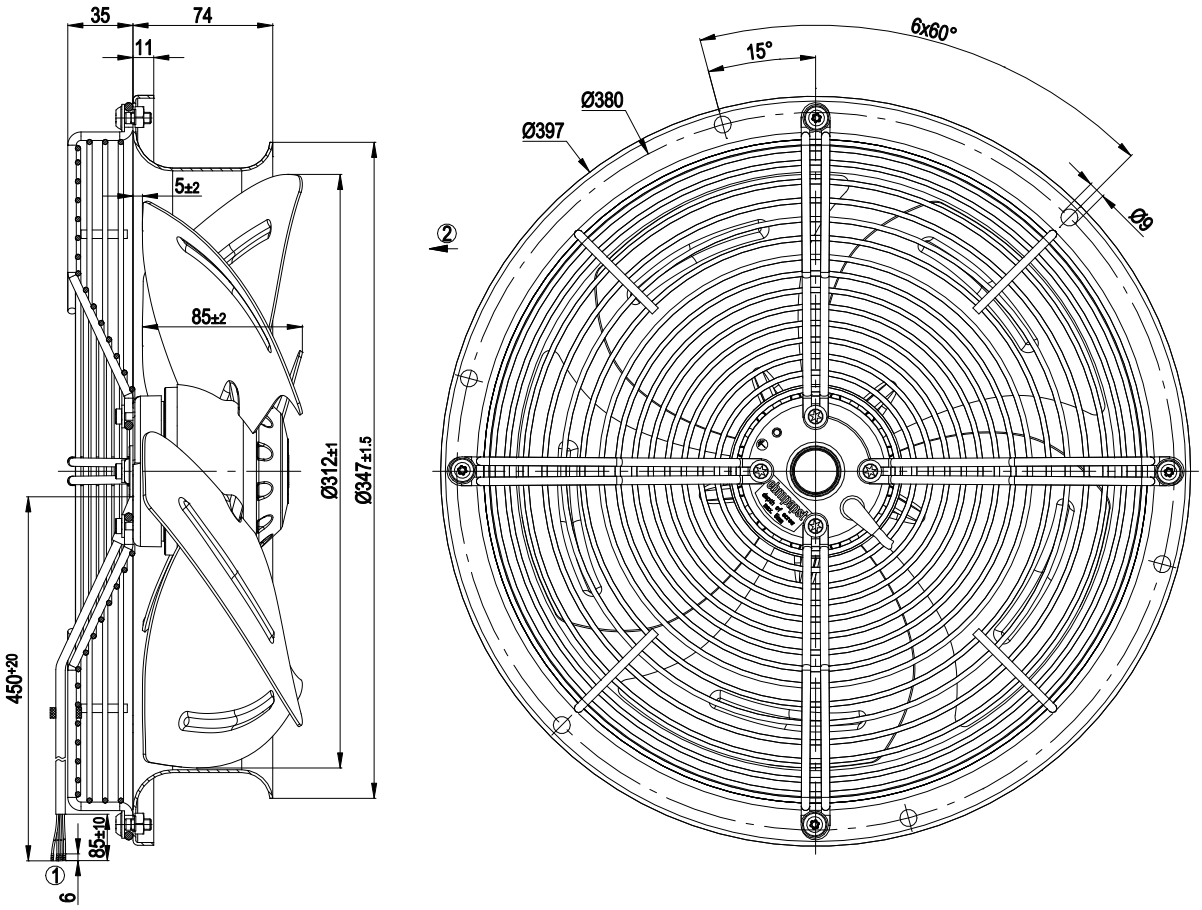
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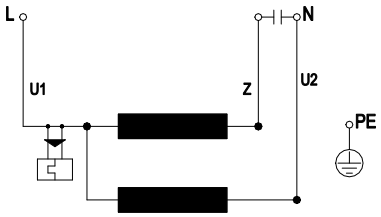
Wall ring with guard grille

Product drawing



1	Connection line PVC AWG20, 4 x brass lead tips crimped
2	Direction of air flow "V"

Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

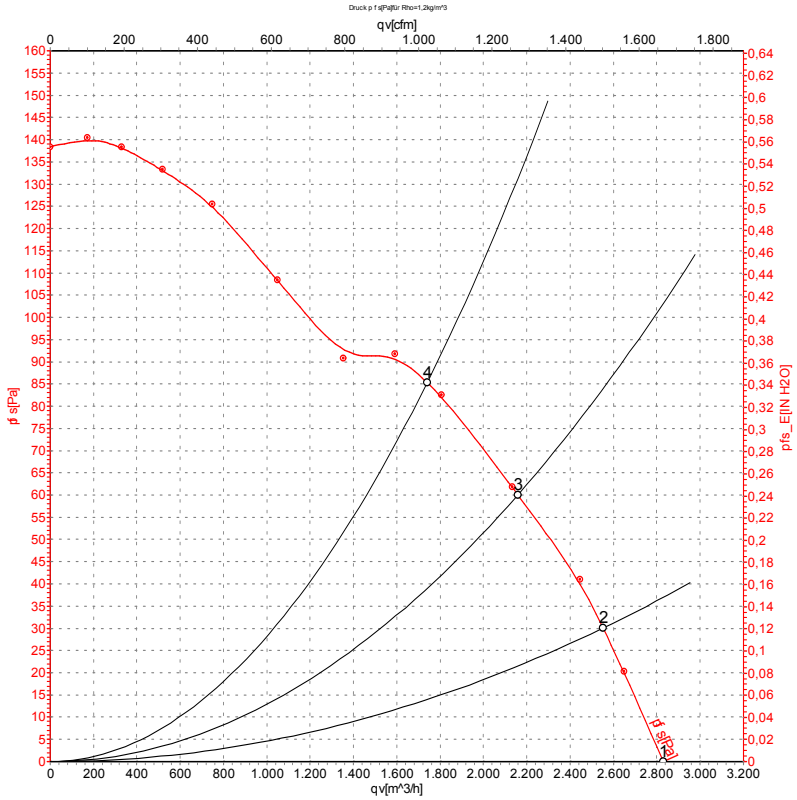
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Charts: Air flow 60 Hz



Measurement: LU-38938-1

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}	qv	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa	CFM	inH2O
1	208	60	1640	115	0.56	2830	0	1665	0.00
2	208	60	1620	125	0.60	2555	30	1505	0.12
3	208	60	1585	137	0.66	2160	60	1270	0.24
4	208	60	1550	148	0.71	1740	85	1025	0.34

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

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