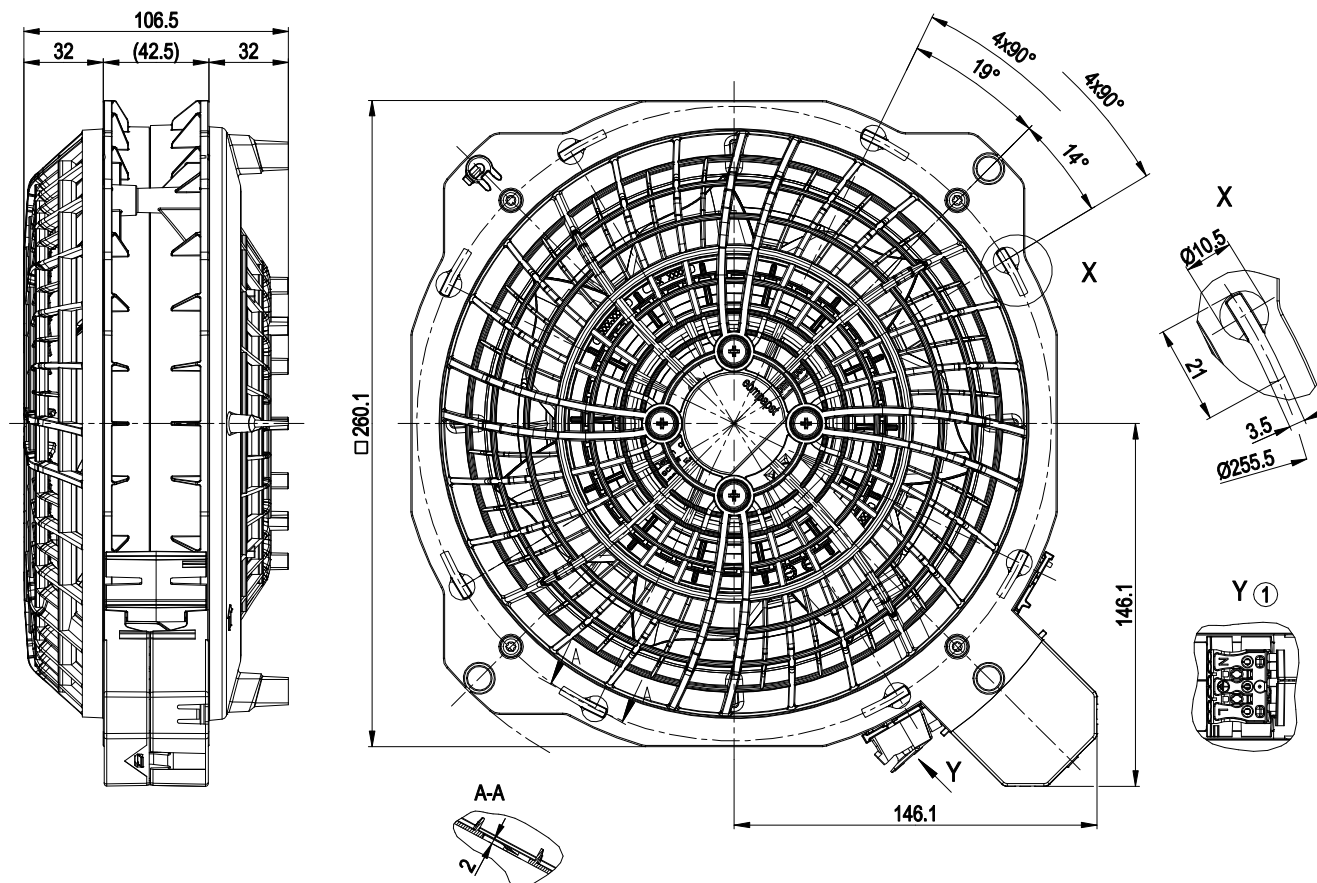


3. TECHNICAL DATA

3.1 Product drawing



All dimensions in mm.

1	Terminal strip Adels Contact LK 980-01 RZ/ 3 B V0
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3.2 Nominal data

Motor	M2E068-CF		
Phase	1~	1~	1~
Nominal voltage / VAC	230	230	230
Frequency / Hz	50	60	60
Method of obtaining data	ce	ce	ce
Valid for approval/ standard	CE	CE	UL 2111
Speed (rpm) / min ⁻¹	2700	3050	3100
Power consumption / W	70	87	86
Current draw / A	0.37	0.39	0.37
Capacitor / µF	1.5	1.5	1.5
Capacitor voltage / VDB	400	400	400
Capacitor standard	S0 (CE)	S0 (CE)	UL
Min. back pressure / Pa	0	0	0
Max. back pressure / Pa	115	150	150
Min. ambient temperature / °C	-30	-30	-30
Max. ambient temperature / °C	55	55	55
Starting current / A	0.87	0.85	0.88

ml = Max. load · me = Max. efficiency · fa = Free air
 cs = Customer specification · ce = Customer equipment

Subject to change

3.3 Technical description

Weight	2.4 kg
Size	200 mm
Motor size	68
Rotor surface	Unpainted
Impeller material	PA plastic
Housing material	PP plastic
Number of blades	7
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H1
Installation position	Any
Condensation drainage holes	None
Mode	S1
Motor mounting	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
Electrical hookup	Via terminals, capacitor connected
Motor protection	Thermal overload protector (TOP) internally connected
with cable	Variable
Protection class	I (with customer connection of protective earth)

Motor capacitor according to EN 60252-1 in safety protection class	S0
Conformity with standards	EN 60335-1; CE
Approval	CCC; UL 1004-3; CSA C22.2 No. 77



With regard to cyclic speed loads, note that the rotating parts of the device are designed for a maximum of one million load cycles. If you have special questions, consult ebm-papst for support.

⇒ Use the device in accordance with its degree of protection.

Information on surface quality

The surfaces of the products conform to the generally applicable industrial standard. The surface quality may change during the production period. This has no effect on strength, dimensional stability and dimensional accuracy.

The color pigments in the paints used perceptibly react to UV light over the course of time. This does not however in any way affect the technical properties of the products. The product is to be protected against UV radiation to prevent the formation of patches and fading. Changes in color are not a reason for complaint and are not covered by the warranty.

3.4 Mounting data

For screw clearance, see Chapter 3.1 Product drawing

Strength class of screws	8.8
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⇒ Secure the screws against unintentional loosening (e.g. use self-locking screws).

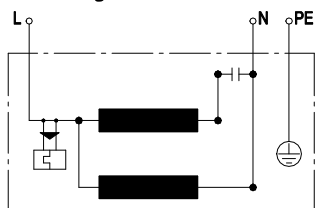
Any further mounting data required can be taken from the product drawing or Section Chapter 4.1 Mechanical connection.

3.5 Transport and storage conditions

Max. permitted ambient temp. for motor (transport/ storage)	+ 70 °C
Min. permitted ambient temp. for motor (transport/ storage)	- 25 °C



4.4 Connection diagram



L	blue
N	black
PE	green/yellow

