A2E200-AK38-01

AC axial fan

sickle-shaped blades (S series)

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Nominal data

Type	**A2E200-AK38-01**
Motor	**M2E068-BF**

Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Method of obtaining data		fa	fa
Valid for approval/standard		CE	CE
Speed (rpm)	min^{-1}	2670	3050
Power consumption	W	60	70
Current draw	A	0.30	0.31
Capacitor	µF	1.5	1.5
Capacitor voltage	VDB	450	450
Capacitor standard		S0 (CE)	S0 (CE)
Max. back pressure	Pa	150	150
Max. back pressure	inH2O	0.6	0.6
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	65	75
Starting current	A	0.55	0.54

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

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Technical description

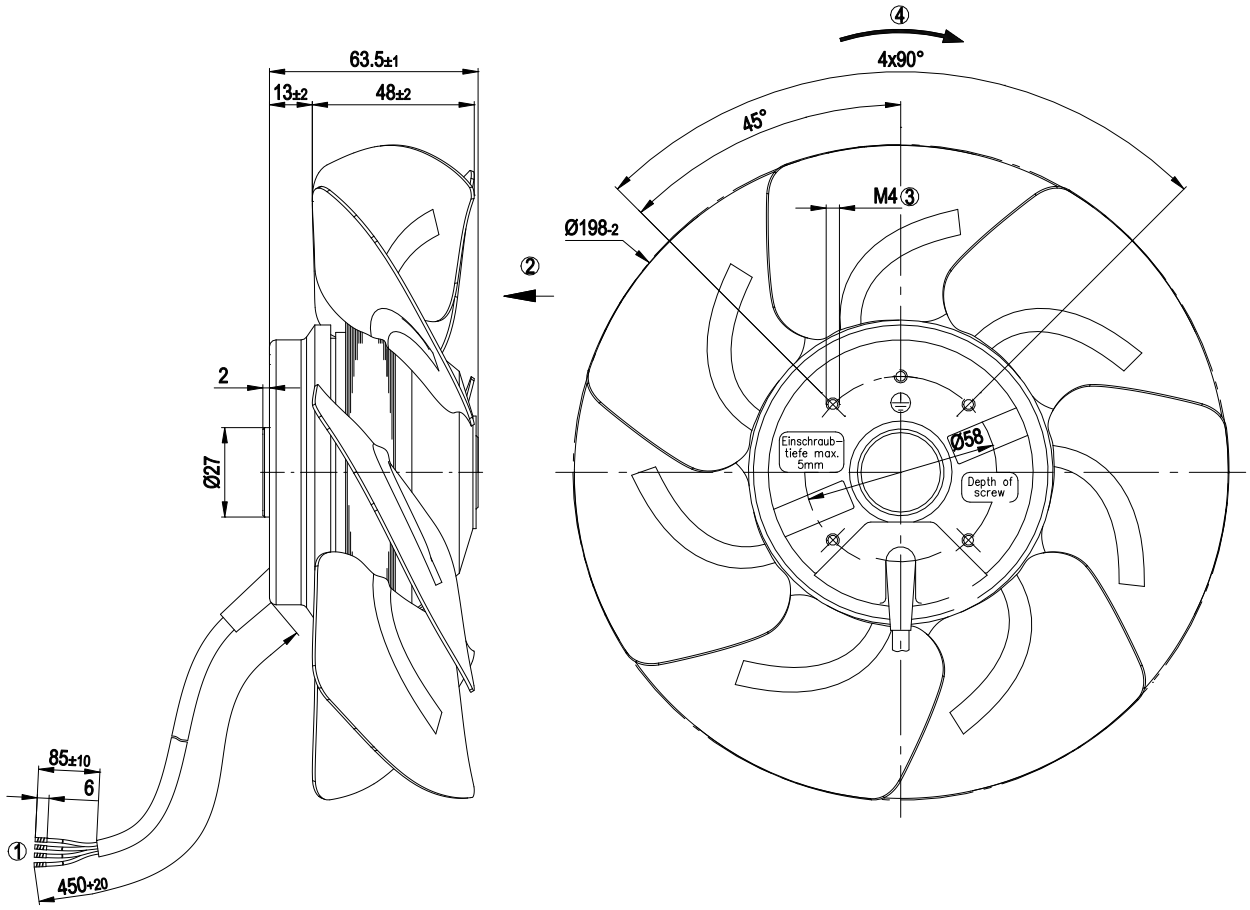
Weight	1.3 kg
Fan size	200 mm
Rotor surface	Painted black
Blade material	Sheet steel
Number of blades	7
Airflow direction	"V"
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP44
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H0+
Max. permitted ambient temp. for motor (transport/storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	Any
Condensation drainage holes	On rotor side
Mode	S1
Motor bearing	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) internally connected
With cable	Variable
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60335-1; CE

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Product drawing



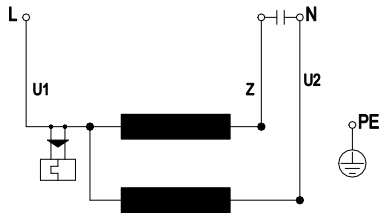
1	Cable PVC, 4x crimped splices
2	Direction of air flow "V"
3	Max. clearance for screw 5 mm
4	Direction of rotation counterclockwise, viewed toward rotor

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Connection diagram



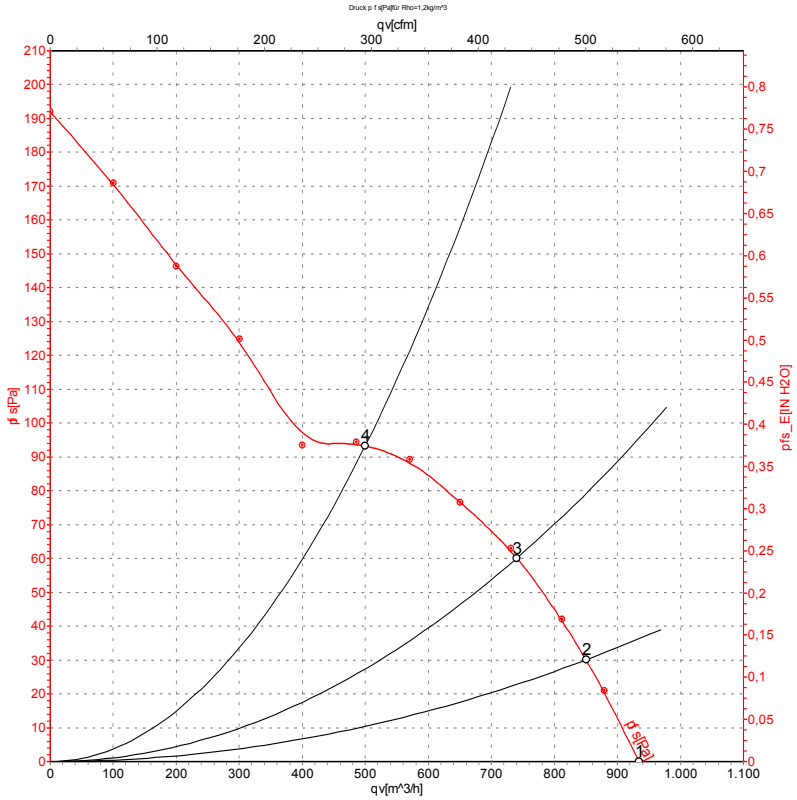
U1	blue	Z	brown	U2	black
PE	green/yellow				

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AC axial fan

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Curves: Air performance 50 Hz



Measurement: LU-63985-1

Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebm-papst. Intake sound level: Sound power level according to ISO 13347 / sound pressure level measured at 1 m distance from fan axis. The values given are valid under the specified measuring conditions and may vary due to conditions of installation. For deviations from the standard configuration, the parameters have to be checked on the installed unit.

Measured values

	U	f	n	P_e	I	q_V	p_{fs}	q_V	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa	cfm	inH2O
1	230	50	2670	60	0.30	935	0	550	0.00
2	230	50	2625	62	0.30	850	30	500	0.12
3	230	50	2570	65	0.30	740	61	435	0.24
4	230	50	2510	68	0.31	500	94	295	0.38

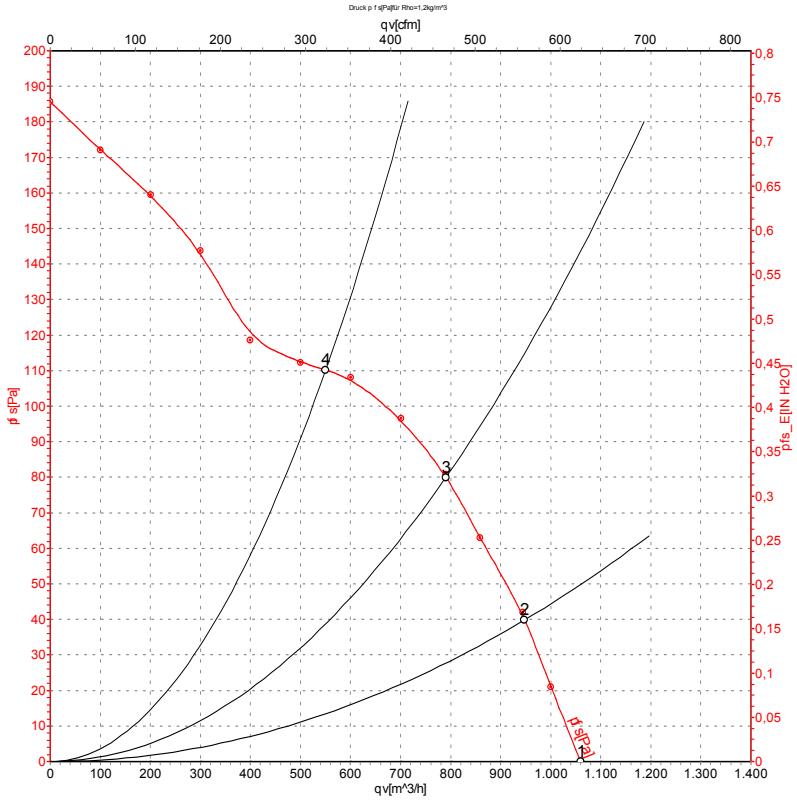
U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_V = Air flow · p_{fs} = Pressure increase

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AC axial fan

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Curves: Air performance 60 Hz



Measurement: LU-63987-1

Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebm-papst. Intake sound level: Sound power level according to ISO 13347 / sound pressure level measured at 1 m distance from fan axis. The values given are valid under the specified measuring conditions and may vary due to conditions of installation. For deviations from the standard configuration, the parameters have to be checked on the installed unit.

Measured values

	U	f	n	P_e	I	q_V	p_{fs}	q_V	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa	cfm	inH2O
1	230	60	3050	70	0.31	1060	0	625	0.00
2	230	60	2945	75	0.32	950	41	560	0.16
3	230	60	2830	80	0.35	790	81	465	0.33
4	230	60	2720	84	0.37	550	110	325	0.44

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