

G2S076-AA03-01

AC centrifugal fan

forward-curved, single-intake
with housing (flange)

ebm-papst Mulfingen GmbH & Co. KG

Bachmühle 2 · D-74673 Mulfingen

Phone +49 7938 81-0

Fax +49 7938 81-110

info1@de.ebmpapst.com

www.ebmpapst.com

Limited partnership · Headquarters Mulfingen

Amtsgericht (court of registration) Stuttgart · HRA 590344

General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen

Amtsgericht (court of registration) Stuttgart · HRB 590142

Nominal data

Type	G2S076-AA03-01		
Motor	M2S042-BE		
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	2100	1550
Power consumption	W	24	22
Current draw	A	0.13	0.12
Min. back pressure	Pa	0	0
Min. back pressure	inH ₂ O	0	0
Max. ambient temperature	°C	60	60

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



AC centrifugal fan

forward-curved, single-intake
with housing (flange)

Technical description

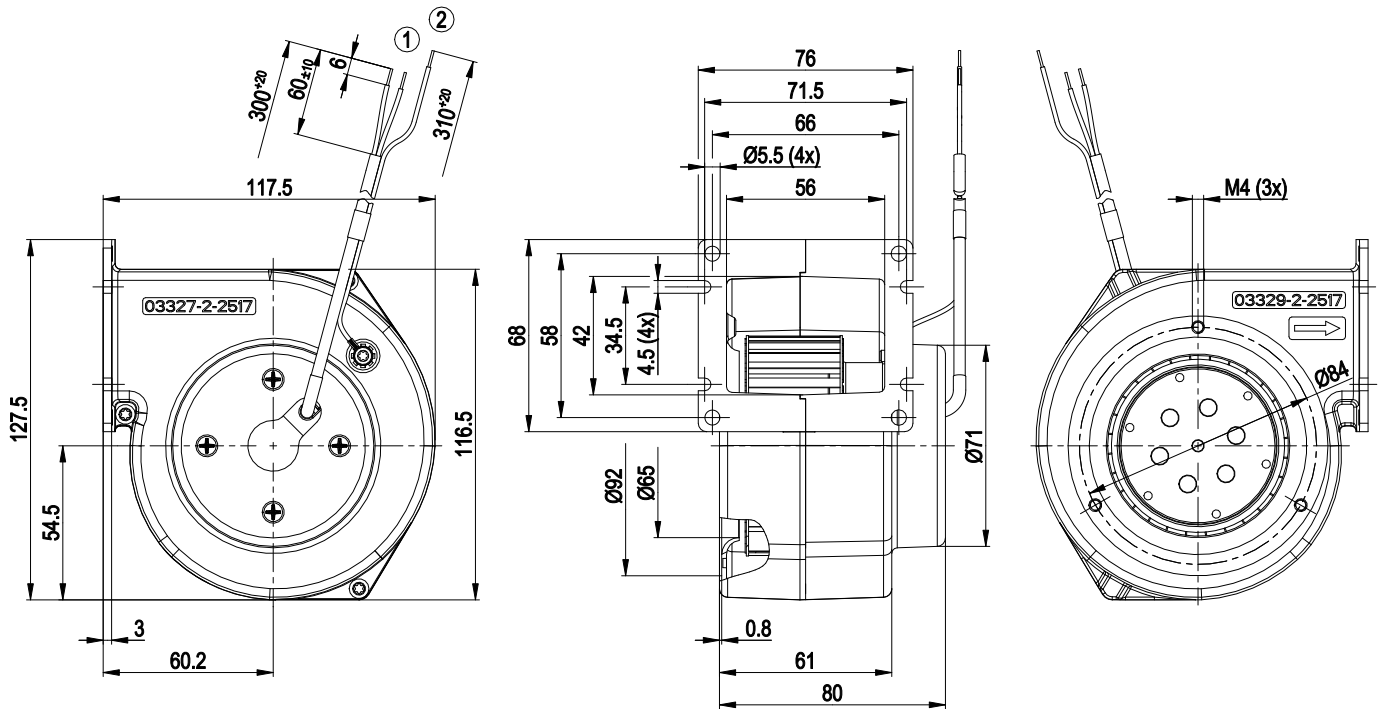
Weight	0.7 kg
Fan size	76 mm
Rotor surface	Rotor open, painted black
Impeller material	Sheet steel, galvanized
Housing material	Die-cast aluminum
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP20
Insulation class	"F"
Max. permitted ambient temp. for motor (transport/storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	Any
Condensation drainage holes	None, open rotor
Mode	S1
Motor bearing	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
Motor protection	Impedance protection
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60335-1; CE
Approval	EAC



AC centrifugal fan

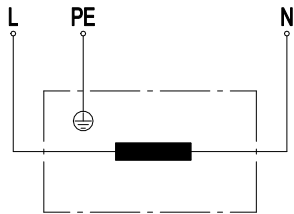
forward-curved, single-intake
with housing (flange)

Product drawing



- 1 Cable PVC 2 x 0.25 mm², 2x tin-plated wire ends
- 2 Cable PVC AWG20, 1x tin-plated wire end (green/yellow)

Connection diagram



L	blue	PE	green/yellow	N	brown
---	------	----	--------------	---	-------

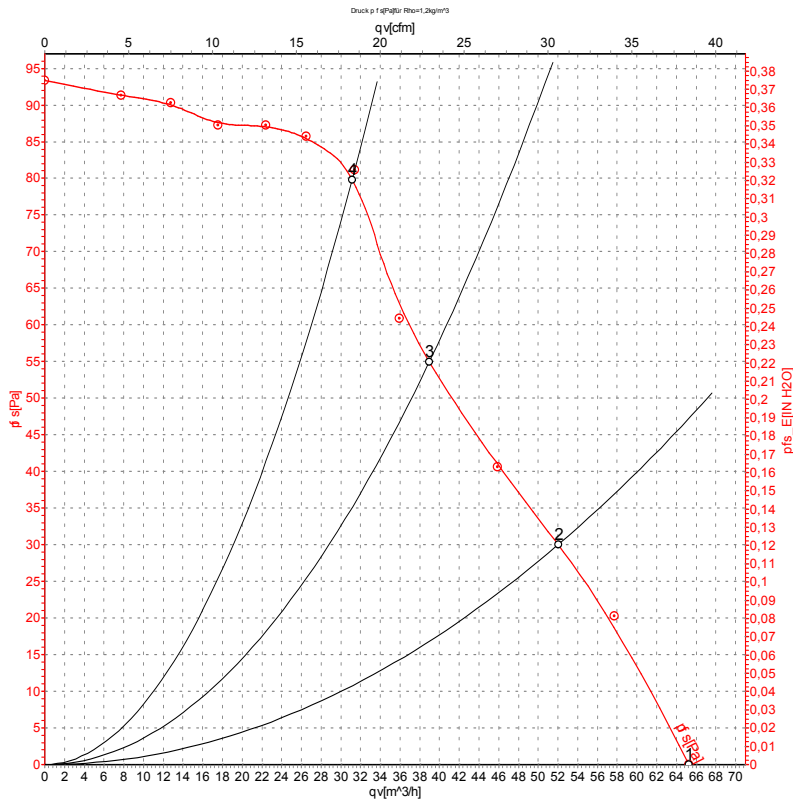


AC centrifugal fan

forward-curved, single-intake

with housing (flange)

Curves: Air performance 50 Hz



Measurement: LU-47060-1

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	qv	p _{fs}	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa	CFM	inH ₂ O
1	230	50	2100	24	0.13	65	0	40	0.00
2	230	50	2405	22	0.13	50	30	30	0.12
3	230	50	2560	21	0.12	40	55	25	0.22
4	230	50	2640	20	0.12	30	80	20	0.32

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

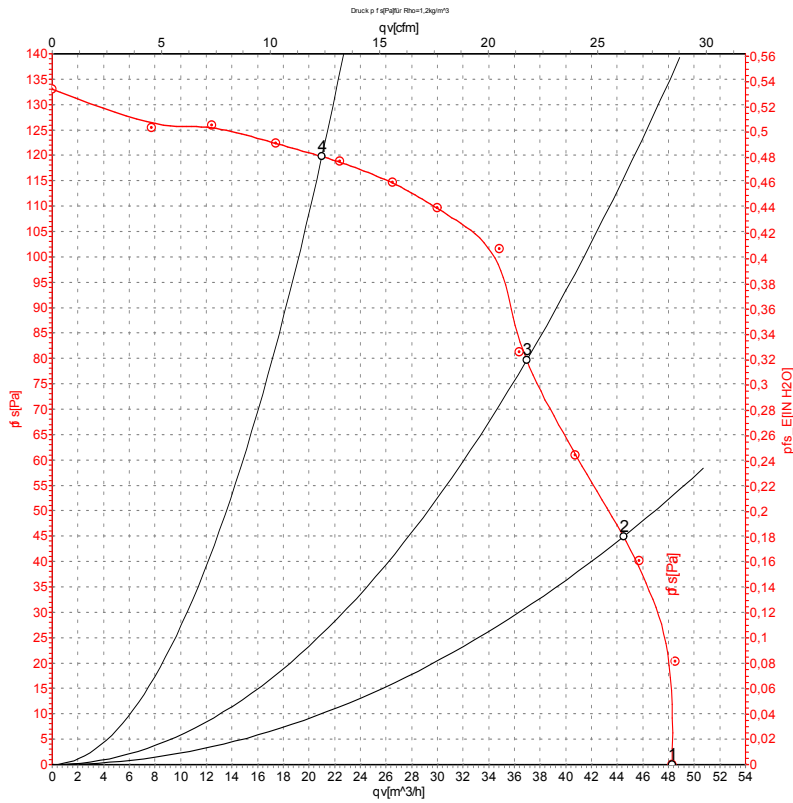


AC centrifugal fan

forward-curved, single-intake

with housing (flange)

Curves: Air performance 60 Hz



Measurement: LU-47061-1

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	qv	p _{fs}	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa	CFM	inH2O
1	230	60	1550	22	0.12	50	0	30	0.00
2	230	60	2575	20	0.11	45	45	25	0.18
3	230	60	2850	19	0.11	35	80	20	0.32
4	230	60	3135	17	0.10	20	120	10	0.48

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

