

# AC centrifugal fan

backward-curved  
with housing (without flange)

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## Nominal data

Type	G2S150-AB56-42	
Motor	M2S052-CA	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	60
Method of obtaining data		fa
Valid for approval/standard		CE
Speed (rpm)	min <sup>-1</sup>	1800
Power consumption	W	57
Current draw	A	0.32
Min. back pressure	Pa	0
Min. back pressure	inH <sub>2</sub> O	0
Max. ambient temperature	°C	45

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



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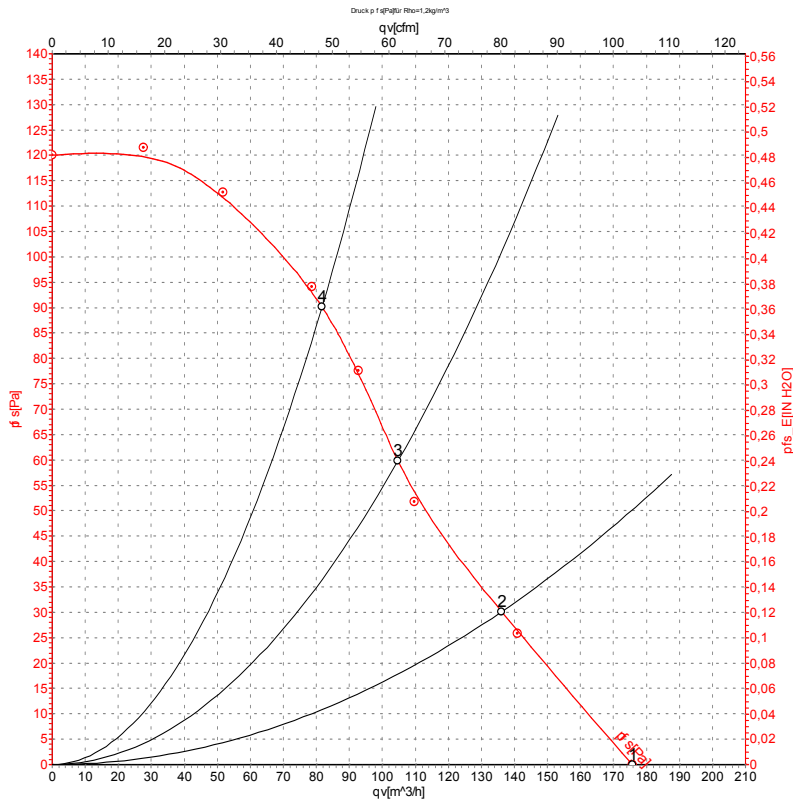
## Technical description

<b>Weight</b>	1.2 kg
<b>Fan size</b>	150 mm
<b>Rotor surface</b>	Partly cast in aluminum
<b>Impeller material</b>	Sheet steel, rust- and acid-resistant
<b>Housing material</b>	Die-cast aluminum
<b>Direction of rotation</b>	Clockwise, viewed toward rotor
<b>Degree of protection</b>	IP20
<b>Insulation class</b>	"F"
<b>Max. permitted ambient temp. for motor (transport/storage)</b>	+ 80 °C
<b>Min. permitted ambient temp. for motor (transport/storage)</b>	- 40 °C
<b>Installation position</b>	Any
<b>Condensation drainage holes</b>	None
<b>Mode</b>	S1
<b>Motor bearing</b>	Ball bearing
<b>Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)</b>	< 0.75 mA
<b>Motor protection</b>	Thermal overload protector (TOP) internally connected
<b>Protection class</b>	I (with customer connection of protective earth)
<b>Conformity with standards</b>	EN 60335-1; CE
<b>Approval</b>	CSA C22.2 No. 100; UL 1004-1





## Curves: Air performance 60 Hz



Measurement: LU-48195-1

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 <sub>e</sub>	I	qv	p <sub>fs</sub>	qv	p <sub>fs</sub>
	V	Hz	min <sup>-1</sup>	W	A	m <sup>3</sup> /h	Pa	CFM	inH2O
1	230	60	1800	57	0.32	175	0	105	0.00
2	230	60	1780	57	0.32	135	30	80	0.12
3	230	60	1815	56	0.31	105	60	60	0.24
4	230	60	1950	55	0.31	80	90	50	0.36

U = Power supply · f = Frequency · n = Speed (rpm) · P<sub>e</sub> = Power consumption · I = Current draw · qv = Air flow · p<sub>fs</sub> = Pressure increase

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