Save power for a better tomorrow.

EV charging station solutions

ebmpapst

engineering a better life

W3G300-ME46 series

Application: EV charging stations are negatively affected by heat generation during charging, making it necessary to reliably cool the charging cable and power electronics. This ensures power and service life are not negatively impacted.

Solution: With around 20,000 different products, ebm-papst offers the right solution for a broad range of applications, including renewable energy. Our durable EC and DC motors offer outstanding efficiency and life time.

The **W3G300-ME series** fan was designed with a wide temperature range for transportation applications and is a great fit for renewable and industrial applications, including outdoor use. For this reason, the qualification is done in line with the harsh automotive ISO16750 standard, exposing the fans to ice, rain, sun, wind, and washing substances.

Advantage: EC fans have a high power density on air power per square inch and are not connected to the grid, therefore not exposed to voltage fluctuation or frequency deviations. In addition, the compact design including motor, electronics, impeller, mounting ring, and the venturi in one allows for application flexibility and space saving benefits = plug & play.

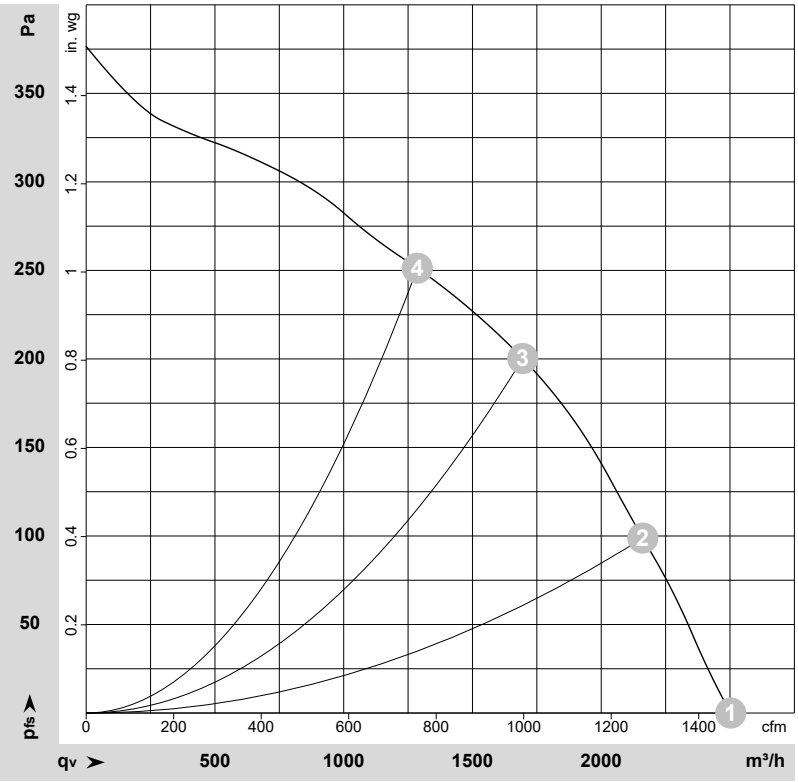
Scan here:

Digital flyer
Safety notes for built in fans
Operating instructions
Advantages & benefits

Nominal data	Nominal voltage	Nominal voltage range	Air flow	Speed	Power	Nominal current	Min .. Max temp	Blade size	Number of blades
Part number	VDC	VDC	CFM	RPM	W	A	C	mm	
W3G300ME4601	24	16...32	1475	3000	175	6.7	-40...85	300	7

Table data and chart information subject to change.
* 26VDC is the charging voltage in the busses or cars, when the alternator is charging the battery. Without alternator, supply is 24VDC.

Performance Data



Mechanical data

- Direction of rotation: Clockwise viewed toward rotor
- Direction of air flow: (1) *pictured in drawing below
- Maintenance-free ball bearings, sealed

Functionality

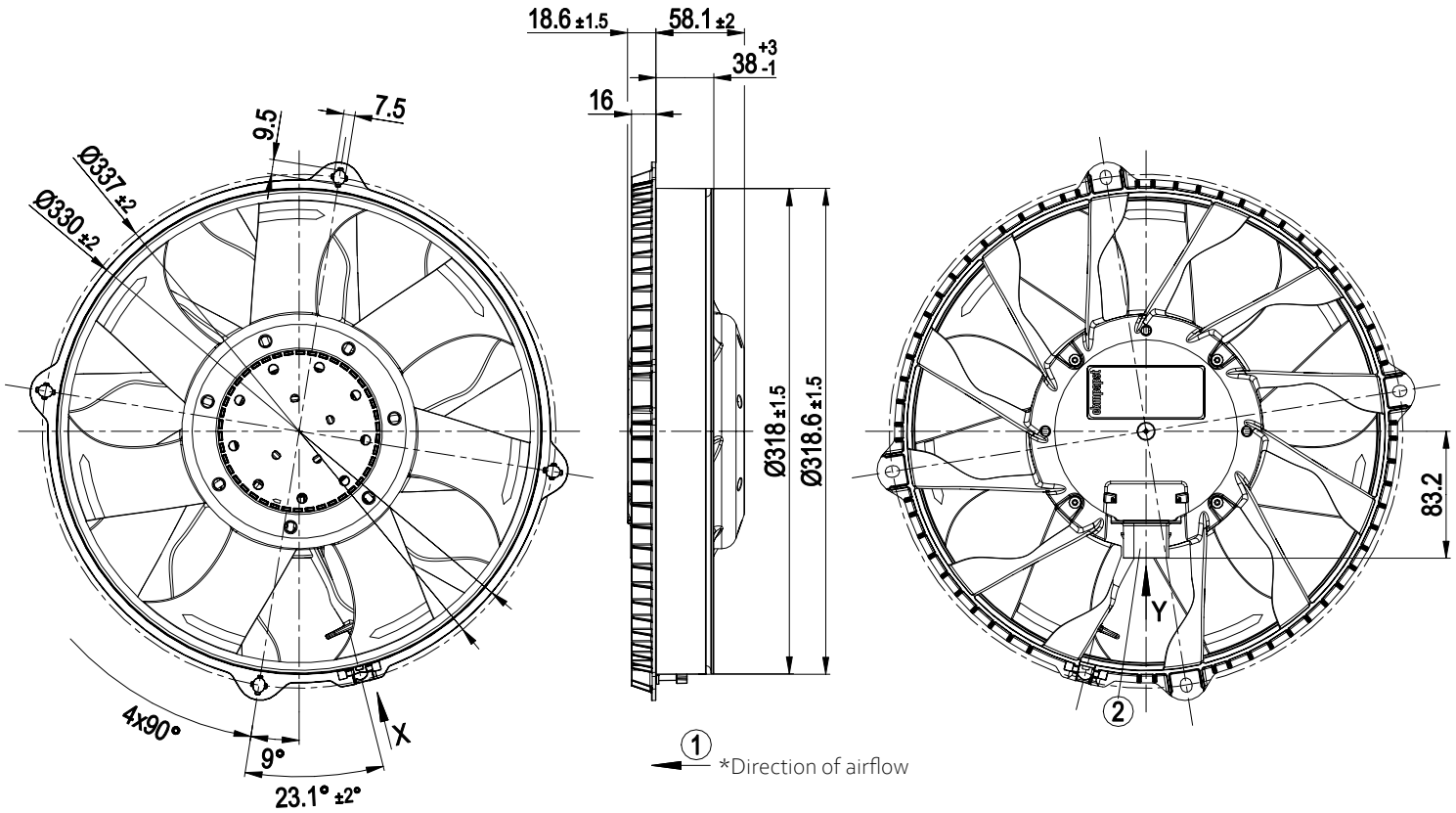
- Soft start
- Control input 0-10 VDC / PWM
- Temperature derating

Protection features

- Thermal overload protection for electronics
- Reverse polarity protection
- Locked-rotor detection
- Error output (high-side switch)
- Load dump protection
- Motor current limitation

Material/surface

- Impeller: PA Plastic
- Housing: PP Plastic



100 Hyde Road, Farmington, CT 06032 USA | www.ebmpapst.us
Tel: (860) 674-1515 | sales@us.ebmpapst.com