

# EC axial fans

Sickled blades (S series) with full square nozzle, Ø 800



## Highlights:

- 5-blade fan, 3-phase fan motor
- 10 VDC max. output /10 mA, 20 VDC max. output /50 mA, 0-10 V slave output, 24 V external program input, 0-10 VDC / PWM control input, 0-10 V or 4-20 mA sensor input, external release input
- Integrated PID controller, control interface with SELV potential safely disconnected from the mains, RS485 MODBUS RTU technology
- Over-temperature protected electronics /motor, alarm relay
- Soft start, PFC passive, line undervoltage /phase failure detection

**Material:** Grill guard: Steel, coated in black plastic  
 Wall ring: Sheet steel, pre-galvanised and black powder paint  
 Blades: Aluminum sheet insert, sprayed with PP plastic  
 Electronic enclosure: Die-cast aluminum, coated in black

**Mounting position:** Shaft horizontal or rotor on bottom; rotor on top on request

Condensate discharge holes: Rotor-side

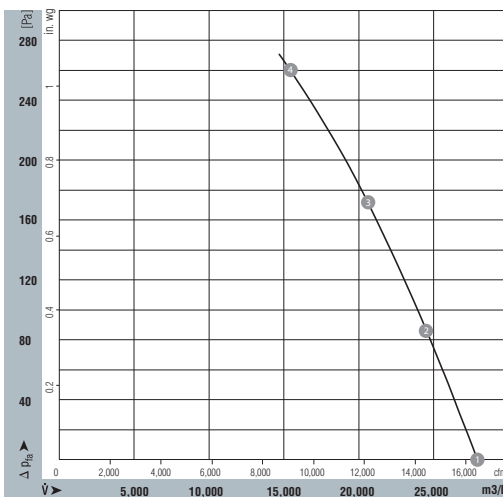
Direction of rotation: Clockwise, seen on rotor

## Nominal Data

Type	Motor	Air flow		Frequency	Power input (1)	Speed (1)	Current draw (1)	Temperature range (1)	Mass	Ingress protection rating	Electrical wiring diagram	UL
		CFM	VAC									
W3G800-GV10-19F	M3G150-NA	16,450	200...240	50/60	2,860	1,090	7.8	-25...60	112	IP54	A	Yes
W3G800-GV01-67F	M3G150-NA	16,450	380...480	50/60	2,980	1,090	3.9	-25...65	112	IP54	A	Yes

(1) Nominal data at maximum load.

## Curves



Air performance measured as per: ISO 5801, Installation category A, in ebm-papst full nozzle and without protection against accidental contact.

Suction-side noise levels:  $L_{WA}$  as per ISO 13347, LpA measured at 1m distance to fan axis.

The acoustic values given are valid under the measuring conditions mentioned and may vary according to the actual installation situation.

With any deviation to the standard set-up, the specific values have to be checked and reviewed once installed or fitted.

For detailed information on the measuring set-up, please contact ebm-papst.

	n rpm	Pe W	I A (460V)	I A (230V)	$L_{WAin}$ dB(A)
1	1090	1876	2.5	4.9	76
2	1090	2996	2.9	5.8	76
3	1090	2520	3.3	6.8	78
4	1090	2980	3.9	7.8	84

