EC axial fans - HyBlade®

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
0-10 VDC / PWM control input, 0-10 V or 4-20 mA sensor input
– Integrated PID controller, RS485 MODBUS, over-temp. protected electronics / motor, alarm relay
– Locked-rotor protection, soft start, PFC passive, line undervoltage / phase failure detection
– Digital inputs for day / night switch, enabling, cooling/heating

Material: Grill guard: Steel and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and black powder paint
Blades: Insertion part made of sheet aluminium, extrusion - coated in PP plastics
Rotor: Coated in black
Electronics enclosure: Die-cast aluminum, coated in black

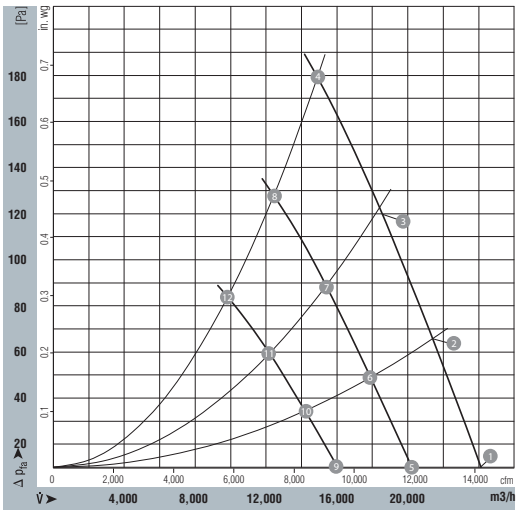
Mounting position: Shaft horizontal or rotor on bottom; rotor on top on request
Condensate discharge holes: Rotor-side
Direction of rotation: Clockwise, seen on rotor

Nominal Data

Type	Motor	Air flow CFM	Nominal voltage range VAC	Frequency Hz	Power input (1) Watts	Speed (1) RPM	Current draw (1) A	Temperature range (1) °C	Mass lbs	Ingress protection rating	Electrical wiring diagram	UL
W3G800-GT22-11F	M3G150-GF	14,200	200...240	50/60	1,880	925	5.0	-25...60	94	IP54	A	Yes
W3G800-GT21-01F	M3G150-GF	14,200	380...480	50/60	1,850	925	2.5	-25...65	94	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, L_{pA} measured at 1m distance to fan axis.

The acoustic values given are valid under the measuring conditions mentioned and may vary accoring 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)	$L_{WA_{in}}$ dB(A)
1	925	1221	1.6	3.2	72
2	925	1458	1.9	3.7	73
3	925	1612	2.1	4.2	74
4	925	1850	2.5	5.0	80
5	770	669	0.9	1.8	68
6	770	821	1.1	2.2	68
7	770	909	1.2	2.4	70
8	770	1058	1.4	2.8	75
9	610	355	0.5	1.0	62
10	610	426	0.6	1.2	63
11	610	466	0.7	1.4	64
12	610	541	0.7	1.4	69

W3G800-GTXX-XXF with full square nozzle

Dimensions shown in inches (mm)

