

# EC axial fans - HyBlade

Sickled blades (S series) with full square nozzle, Ø 910



### 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

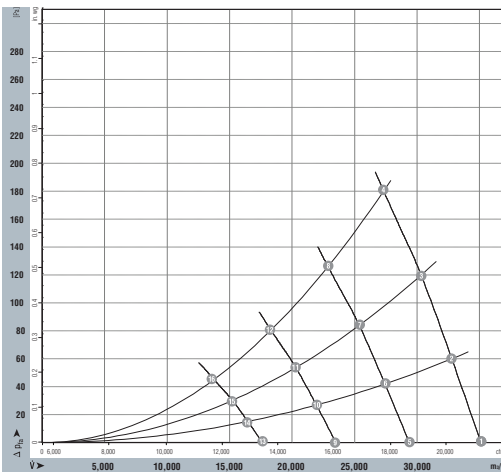
Condensate discharge holes: Rotor-side

Direction of rotation: Clockwise, seen on rotor

Nominal Data		Air flow	Nominal voltage range	Frequency	Power input (1)	Speed (1)	Current draw (1)	Temperature range (1)	Mass	Ingress protection rating	Electrical wiring diagram	UL
Type	Motor	CFM	VAC	Hz	Watts	RPM	A	°C	lbs			
W3G910-GZ10-19F	M3G150-NA	21,150	200...240	50/60	3,100	1,195	8.6	-25...60	125	IP54	A	Yes
W3G910-GZ01-67F	M3G150-NA	21,150	380...480	50/60	3,040	1,195	4.3	-25...60	125	IP54	A	Yes

(1) Nominal data at maximum load.

### Curves



Measurement: LU-125048

Air performance measured as per: ISO 5801, Installation category A.

Suction-side noise levels: L<sub>W</sub>A as per ISO 13347, L<sub>p</sub>A 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 <sub>W</sub> A <sub>in</sub> dB(A)
1	1195	2109	3.0	6.0	85
2	1195	2512	3.5	7.0	84
3	1195	2792	4.0	8.0	83
4	1195	3040	4.3	8.6	82
5	1000	1211	1.7	3.4	80
6	1000	1427	2.0	4.0	79
7	1000	1600	2.3	4.6	78
8	1000	1777	2.5	5.0	78
9	800	620	0.9	1.8	75
10	800	731	1.0	2.0	73
11	800	819	1.2	2.4	72
12	800	910	1.3	2.6	72
13	600	262	0.4	0.8	68
14	600	308	0.4	0.9	66
15	600	346	0.5	1.0	65
16	600	364	0.5	1.1	65

