

# EC axial fans - HyBlade®

sickled blades (S series) with full square nozzle, Ø 710



### 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, motor current limit
- Integrated PID controller, RS485 MODBUS RTU technology
- Over-temperature protected electronics / motor, alarm relay
- Soft start, PFC passive, line undervoltage / phase failure detection

**Material:** Guard grille: 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 on rotor on bottom; rotor on top on request

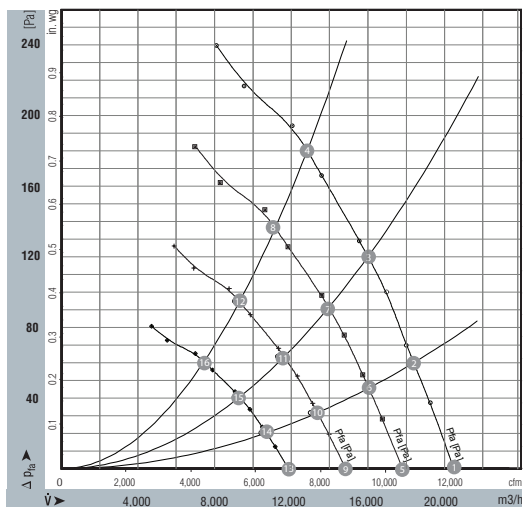
**Condensate discharge holes:** Rotor-side

**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			
W3G710-GS28-11F	M3G150-FF	12,000	200...240	50/60	1,700	1,030	4.8	-25...60	85	IP54	A	Yes
W3G710-GS30-01F	M3G150-FF	12,000	380...480	50/60	1,700	1,030	2.3	-25...70	85	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 <sub>wA</sub> in dB(A)
1	1030	1323	1.8	3.4	74
2	1030	1451	1.9	3.8	73
3	1030	1587	2.1	4.1	74
4	1030	1700	2.3	4.8	78
5	900	867	1.1	2.2	71
6	900	964	1.3	2.5	70
7	900	1052	1.4	2.7	71
8	900	1123	1.5	2.9	75
9	750	502	0.7	1.3	67
10	750	558	0.7	1.4	66
11	750	609	0.8	1.6	67
12	750	650	0.9	1.7	71
13	600	257	0.3	0.7	62
14	600	286	0.4	0.7	62
15	600	312	0.4	0.8	62
16	600	333	0.4	0.9	66

