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

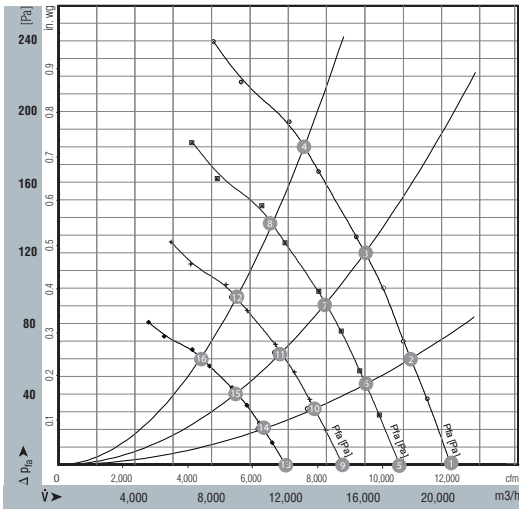
Direction of rotation: Clockwise, seen on rotor

Nominal Data

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
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 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	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

W3G710-GSXX-XXF with full square nozzle

Dimensions shown in inches (mm)