EC axial fans

Series W3G250 Ø 280 x 280 x 80 mm



Highlights:
– Control Input: 0-10 VDC/PWM
– Output: 10 VDC, max 1.1 mA
– Tach Output
– Over-temperature protected electronics
– Soft start, motor current limit
– Locked rotor protection

Material: Impeller: PP plastic
Electronic housing: Die-cast aluminum

Mounting position: Any

Condensate discharge holes: None, open rotor

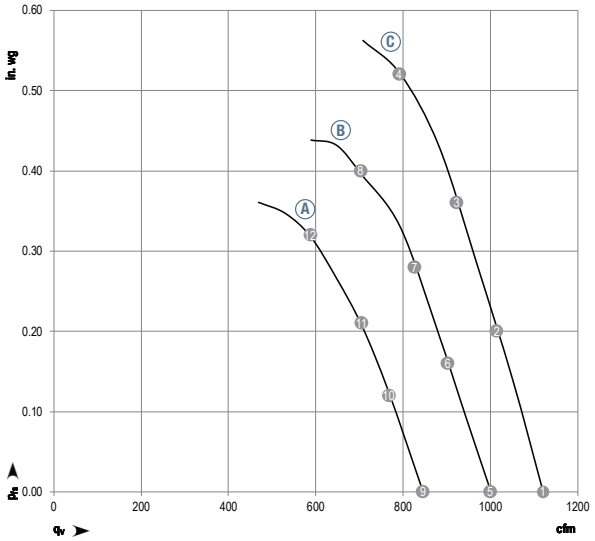
Direction of rotation: Counter-clockwise, seen on rotor

Nominal Data

Type	Motor	Air flow cfm	Phase	Voltage VAC	Voltage range VDC	Frequency Hz	Power input (1) W	Speed (1) rpm	Current draw (1) A	Max back pressure in. H_2O	Temperature range (1) °C	Mass lbs	Bearing	Ingress protection rating	UL	Chart
W3G250-HK35-11	M3G055-CF	1120	1~	115V	100...130	50/60	125	2700	1.9	0.52	-25...60	7.62	Ball	IP54	Yes	Ⓒ
W3G250-HK19-11	M3G055-CF	1120	1~	230V	200...240	50/60	125	2700	1.1	-	-25...60	7.62	Ball	IP54	Yes	Ⓒ
W3G250-HH07-03	M3G055-CF	1000	1~	230V	200...240	50/60	83	2330	0.72	-	-25...60	4.62	Ball	IP54	Yes	Ⓑ
W3G250-HH53-03	M3G055-CF	846	1~	115V	100...130	50/60	56	2040	0.9	0.32	-25...50	4.62	Ball	IP54	Yes	Ⓐ

(1) Nominal data at maximum load.

Curves



Air performance measured as per: ISO 5801, Installation category A, without protection against accidental contact.

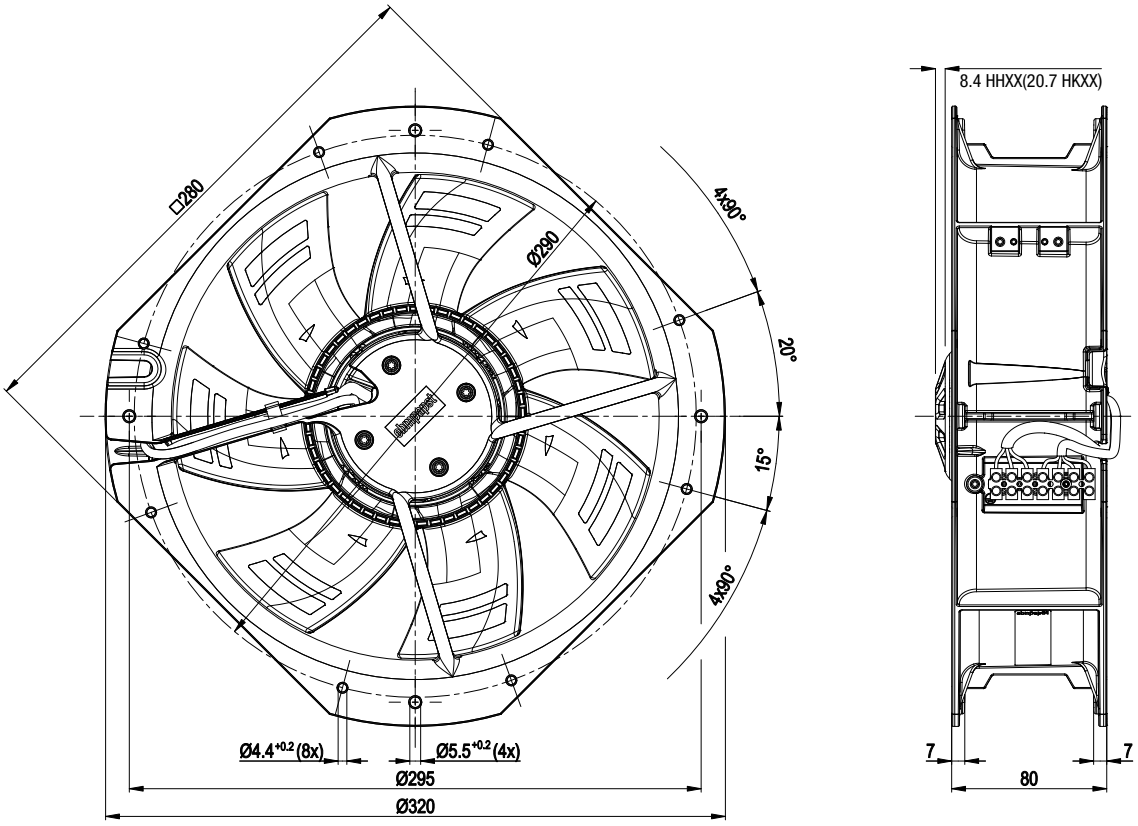
Suction-side noise levels: L_{WA} as per ISO 13347, L_{PA} measured at 1m distance to fan axis.

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

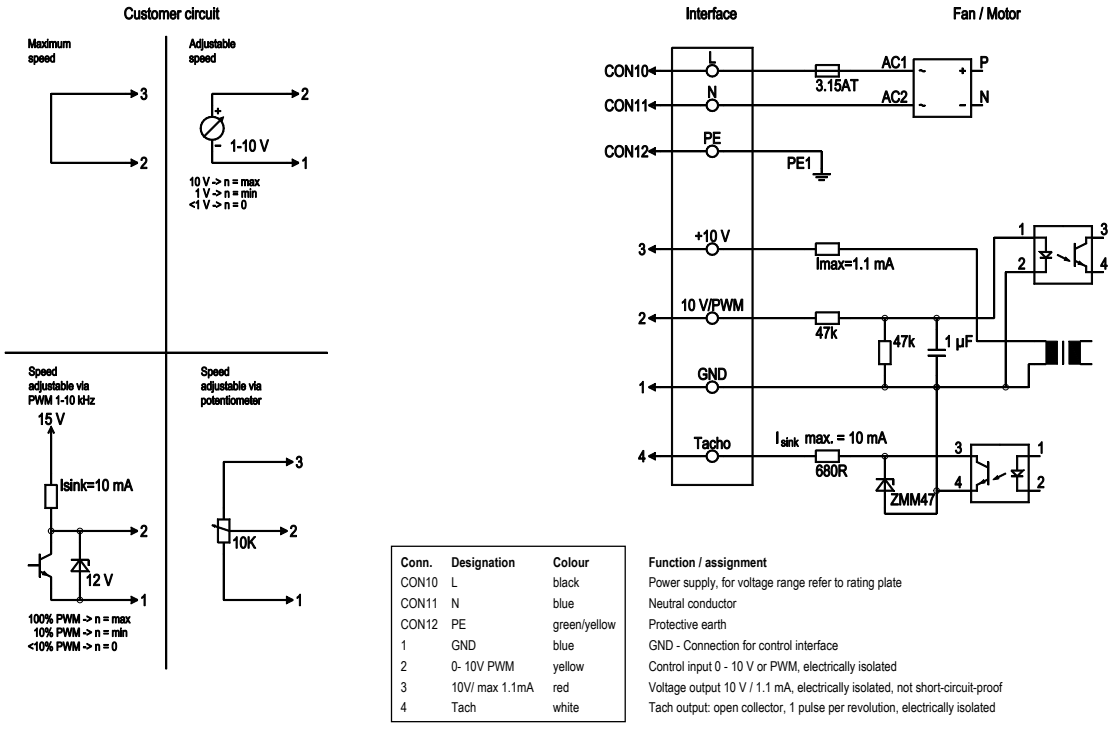
With any deviation to the standard set-up, the specific values have to be checked and reviewed once installed or fitted.

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

	n rpm	Pe W	I_{230V} A	I_{115V} A	$L_{pA_{in}}$ dB(A)	$L_{wA_{in}}$ dB(A)
1	2845	96	0.83	1.43	64	70
2	2795	109	0.93	1.61	64	70
3	2755	119	1.01	1.72	64	71
4	2700	125	1.10	1.90	64	71
5	2465	67	0.59	-	62	69
6	2410	75	0.65	-	61	69
7	2375	80	0.68	-	61	68
8	2330	83	0.72	-	60	68
9	2133	43	-	0.72	57	65
10	2101	49	-	0.80	57	65
11	2087	52	-	0.84	57	64
12	2054	55	-	0.90	60	66



Connection screen



Conn.	Designation	Colour	Function / assignment
CON10	L	black	Power supply, for voltage range refer to rating plate
CON11	N	blue	Neutral conductor
CON12	PE	green/yellow	Protective earth
1	GND	blue	GND - Connection for control interface
2	0- 10V PWM	yellow	Control input 0 - 10 V or PWM, electrically isolated
3	10V/ max 1.1mA	red	Voltage output 10 V / 1.1 mA, electrically isolated, not short-circuit-proof
4	Tach	white	Tach output: open collector, 1 pulse per revolution, electrically isolated

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