

R3G250-AD62-30

EC centrifugal fan

backward curved, single inlet

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Nominal data

Type	R3G250-AD62-30	
Motor	M3G084-CA	
Nominal voltage	VDC	48
Nominal voltage range	VDC	36 .. 57
Type of data definition		rfa
Speed	min ⁻¹	2645
Power input	W	135
Current draw	A	2.8
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	60

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

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Technical features

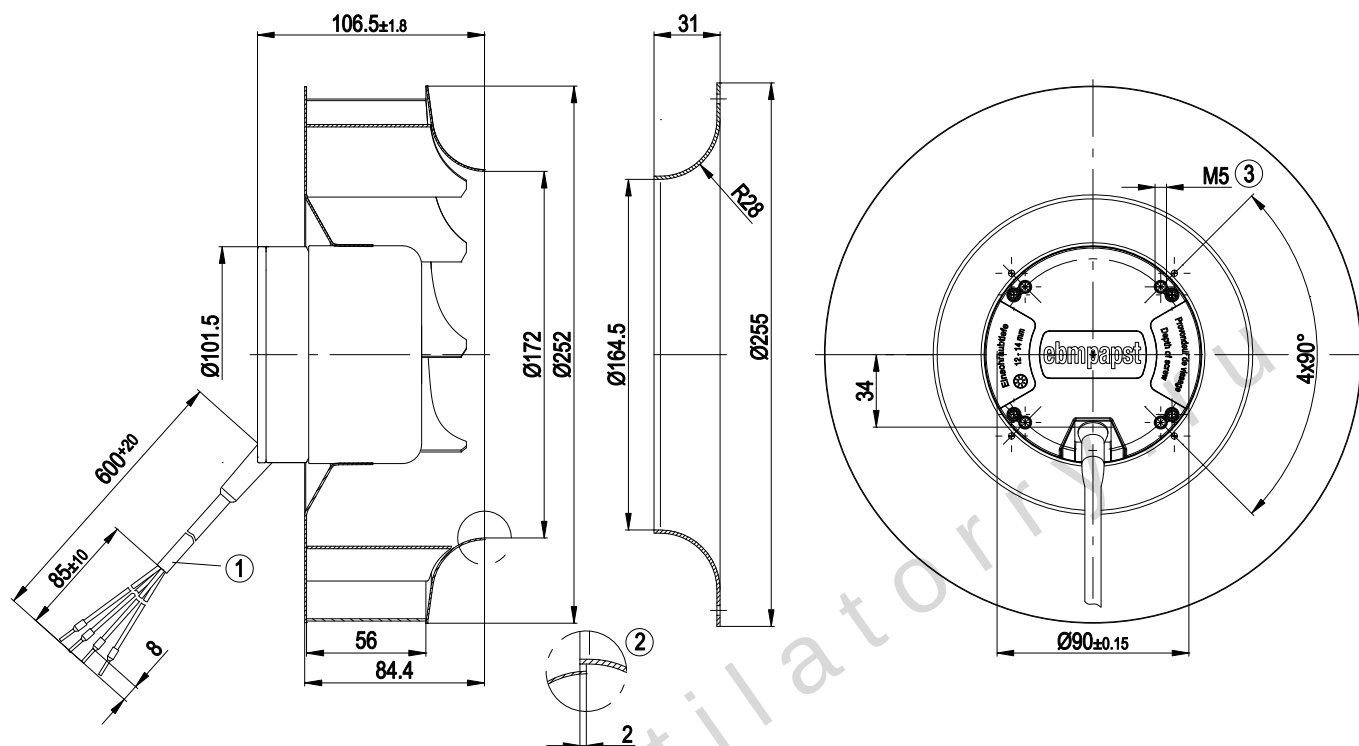
Size	250 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on top; rotor on bottom on request
EMC interference emission	Acc. to EN 61000-6-3
EMC interference immunity	Acc. to EN 61000-6-2
Insulation class	"B"
Cable exit	Variable
Condensate discharge holes	None
Motor bearing	Ball bearing
Mass	2.95 kg
Material of impeller	Sheet steel, sendzimir galvanised
Motor protection	Thermal overload protector (TOP) wired internally
Product conforming to standard	EN 60950-1
Surface of rotor	Coated in black
Number of blades	11
Type of protection	IP 42
Technical features	- Control input 0-10 VDC / PWM - Tach output - Over-temperature protected motor
Max. permissible ambient motor temp. (transp./ storage)	+80 °C
Min. permissible ambient motor temp. (transp./storage)	-40 °C
Approval	CCC; CSA C22.2 Nr.77; UL 1004-1

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Product drawing



1	Connection line 4 x AWG16, 4x core-end sleeves
2	Accessory part: inlet nozzle 96359-2-4013 not included in the standard scope of delivery; other inlet nozzles on request
3	Depth of screw 12 - 14 mm

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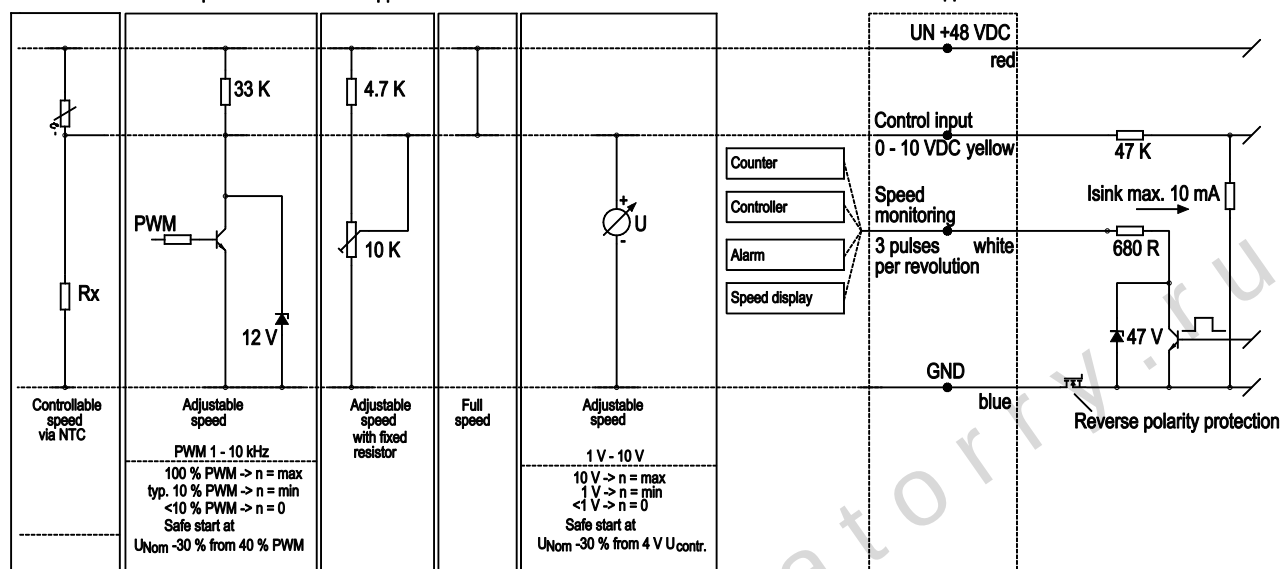
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Connection screen

Customer circuit

Notes on various control possibilities and their applications

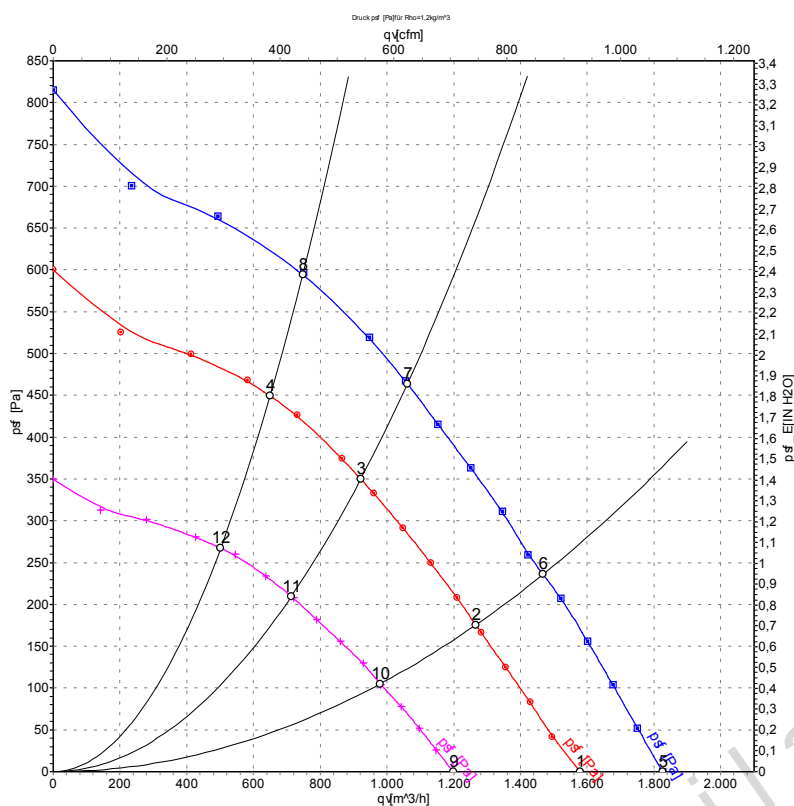


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Charts: Air flow



Measurement: LU-56153
Measurement: LU-56151
Measurement: LU-56152

Air performance measured as per ISO 5801 Installation Category A. For detailed information on the measuring set-up, please contact ebm-papst. Suction-side noise levels: LwA measured as per ISO 13347 / LpA measured with 1m distance to fan axis. The values given are valid under the measuring conditions mentioned above and may vary according to the actual installation situation. With any deviation from the standard set-up, the specific values have to be checked and reviewed with the unit installed.

Measured values

	U	n	P ₁	I	qv	p _{sf}
	V	min ⁻¹	W	A	m³/h	Pa
1	48	2645	135	2.80	1580	0
2	48	2600	168	3.52	1265	176
3	48	2580	182	3.82	920	350
4	48	2590	177	3.72	650	449
5	57	3055	206	3.64	1825	0
6	57	2990	257	4.53	1470	236
7	57	2970	276	4.87	1060	464
8	57	2980	270	4.77	750	598
9	36	2035	65	1.83	1200	0
10	36	2005	82	2.31	980	105
11	36	2000	88	2.46	715	210
12	36	2005	85	2.39	500	267