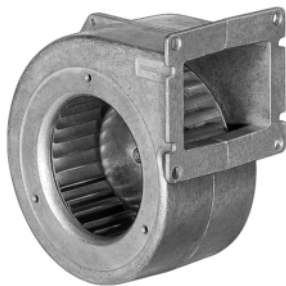


G1G085-AB05-01

EC centrifugal fan

forward curved, single inlet
with housing (flange)

**ebm-papst Mulfingen GmbH & Co. KG**

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Nominal data

Type	G1G085-AB05-01	
Motor	M1G045-BE	
Nominal voltage	[VDC]	24
Nominal voltage range	[VDC]	16 .. 28
Type of data definition		rfa
Speed	[min ⁻¹]	2850
Power input	[W]	14
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

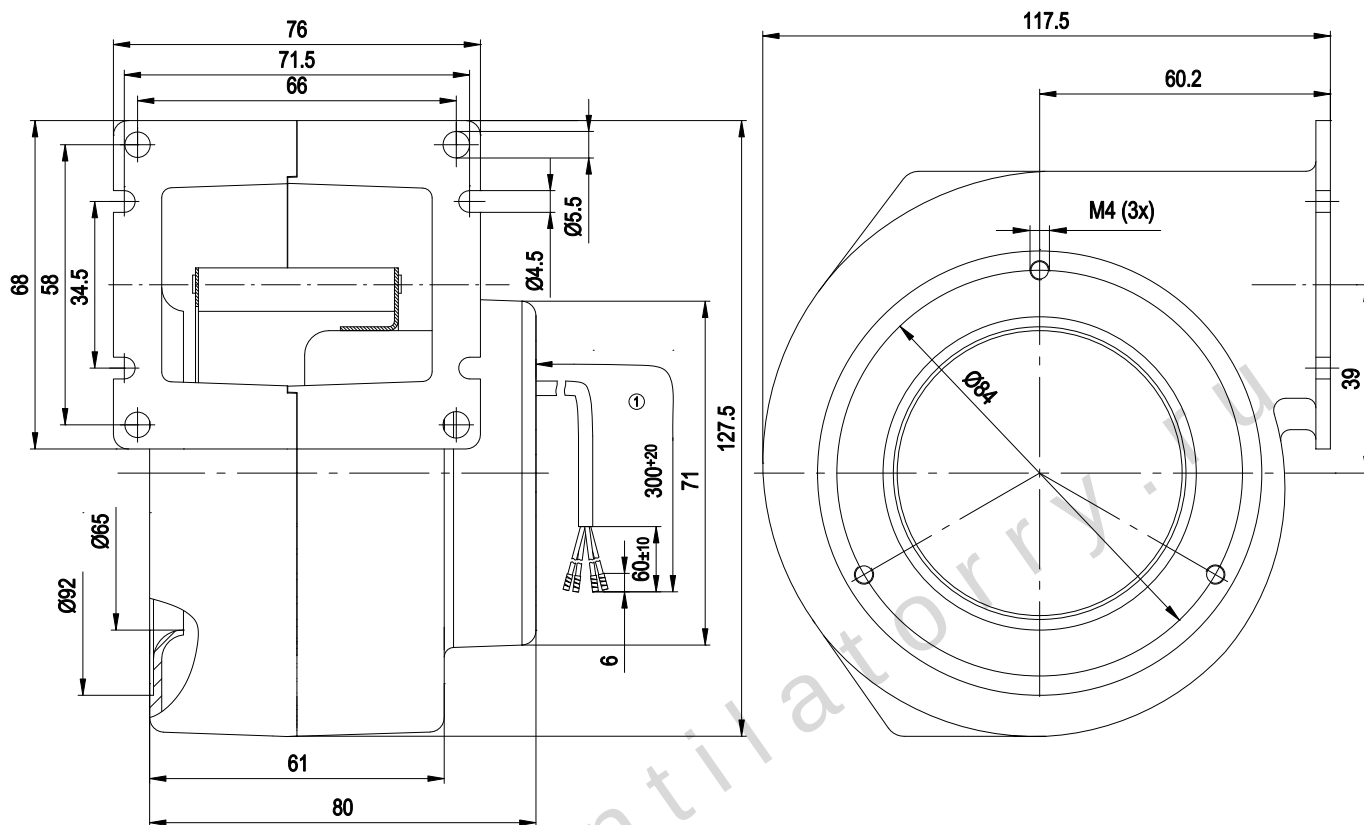
Size	85 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Any
Insulation class	"B"
Cable exit	Axial
Condensate discharge holes	None
Bearing motor	Ball bearing
Mass	0.8 kg
Housing material	Die-cast aluminium
Material of impeller	Sheet steel, hot-galvanised
Motor protection	Reverse polarity and locked-rotor protection
Surface of rotor	Galvanised
Type of protection	IP 22; Depending on installation and position
Technical features	Control input 0-10 VDC / PWM, tach output, polarity and locked rotor protection
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C

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Product drawing



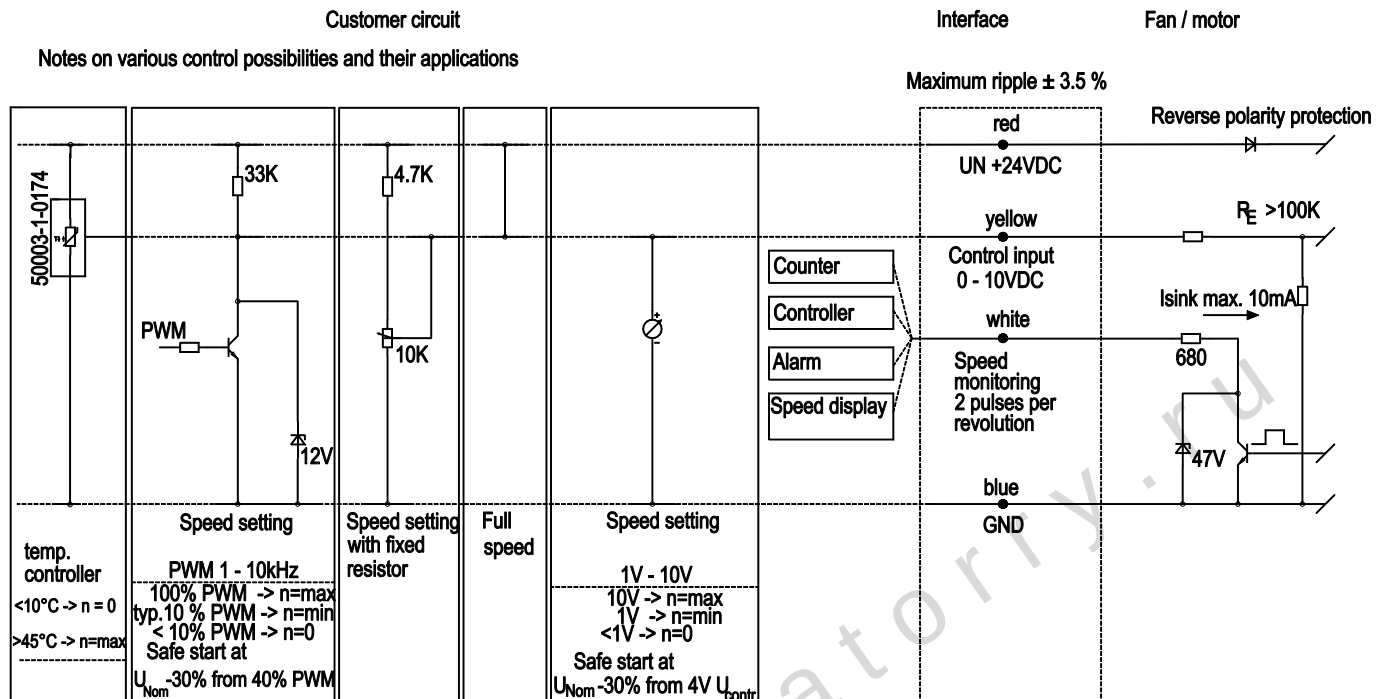
1 Connection line PVC AWG22, 4 x brass lead tips crimped

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Connection screen



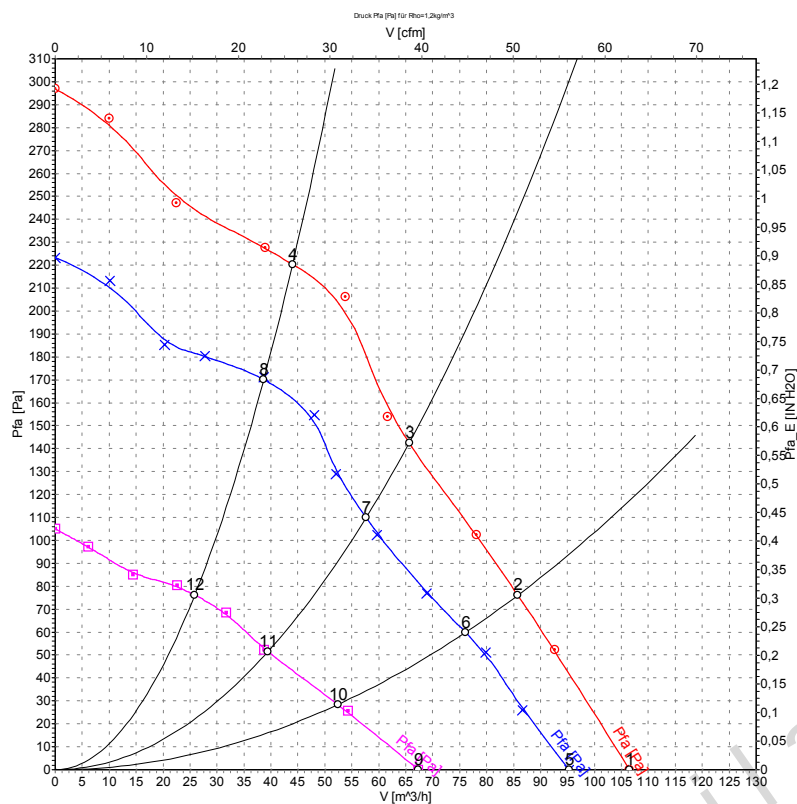
G1G085-AB05-01

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Charts: Air flow



Measured values

	U	n	P ₁	I	$\dot{V}$	P _{fa}
	[V]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	28	3205	19	0.74	105	0
2	28	3405	17	0.66	85	76
3	28	3605	15	0.58	65	141
4	28	3845	12	0.51	45	220
5	24	2850	14	0.64	95	0
6	24	3030	12	0.57	75	60
7	24	3200	10	0.51	60	110
8	24	3400	8.75	0.45	40	170
9	16	2045	5.85	0.44	65	0
10	16	2155	5.06	0.40	50	29
11	16	2245	4.37	0.37	40	51
12	16	2345	3.92	0.35	25	76