G3G140-AW05-12

EC centrifugal fan

forward curved, single inlet

with housing (flange)

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Nominal data

Type	**G3G140-AW05-12**	
Motor	**M3G055-CF**	
Nominal voltage	[VAC]	230
Frequency	[Hz]	50/60
Type of data definition		ml
Speed	[min^{-1}]	2300
Power input	[W]	67
Current draw	[A]	0.5
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

Leackage current	<= 3.5 mA
General description	Integrated electronics
Size	140 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Shaft horizontal, discharge on right side or on left side
Insulation class	"B"
Cable exit	Variable
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	2.5 kg
Material of electronics housing	Die-cast aluminium
Material of impeller	PP-TV40 plastic
Motor protection	Locked-rotor protection
Product conforming to standard	EN 60335-1
Surface of rotor	Galvanised
Type of protection	IP 44
Protection class	I
Technical features	Input for set value for line 0-10 VDC / PWM (1.7 V = 50 m/³h, 10V = 300 m/³h), output 10 VDC max. 1.1 mA, tach output, locked rotor protection
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	GOST

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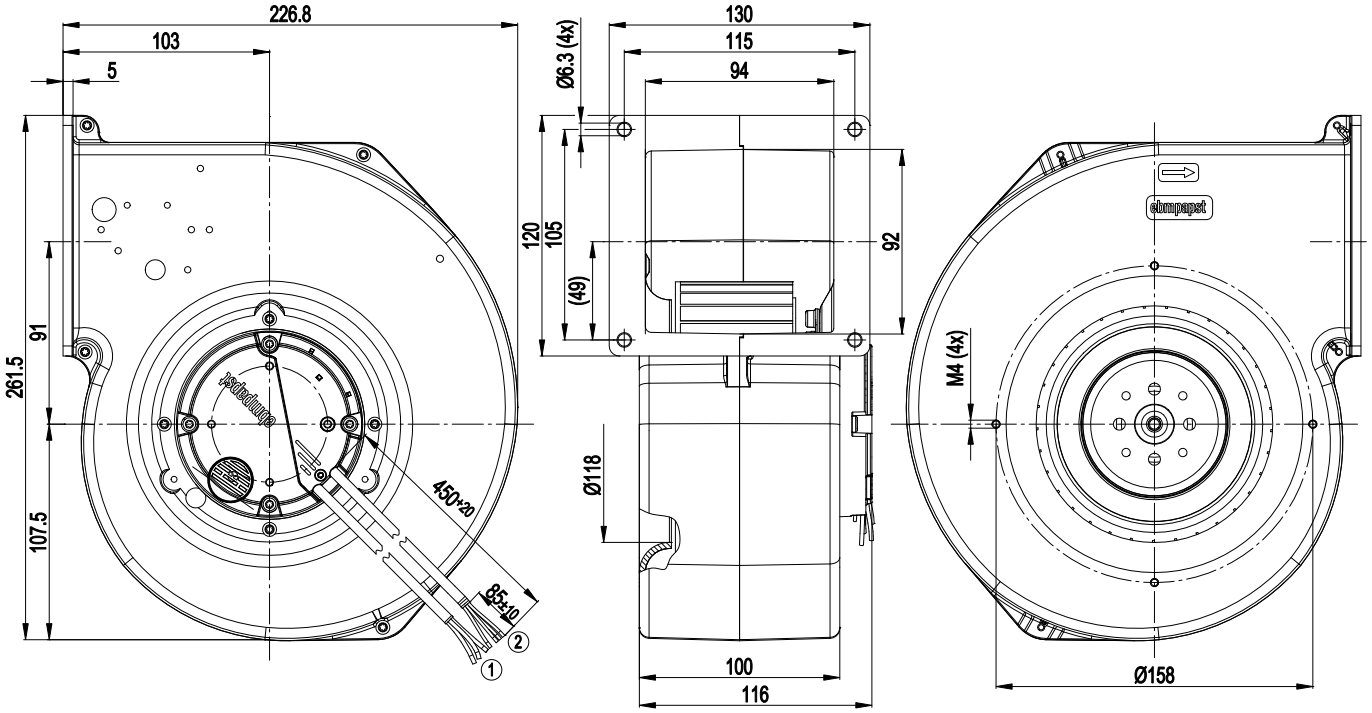
Product drawing



1	Connection line PVC 3G 0.5 mm², 3x brass lead tips crimped
2	Connection line PVC 4 x 0.5 mm²; 4 x brass lead tips crimped

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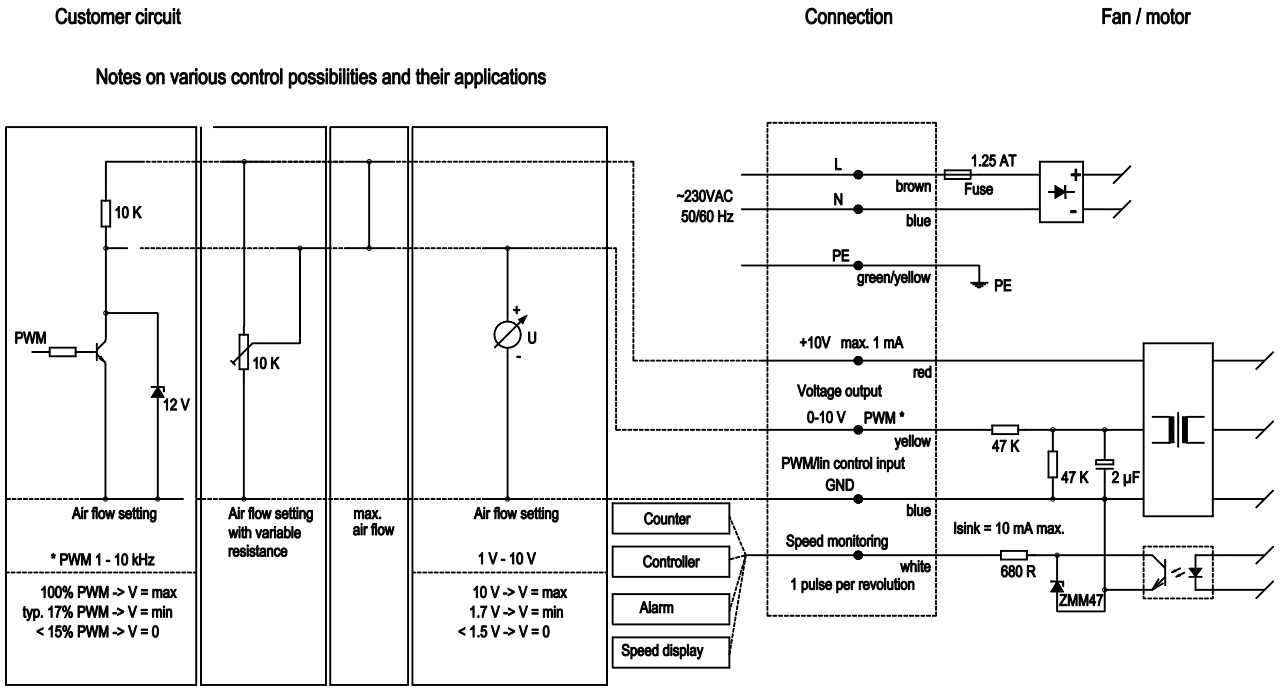
Connection screen



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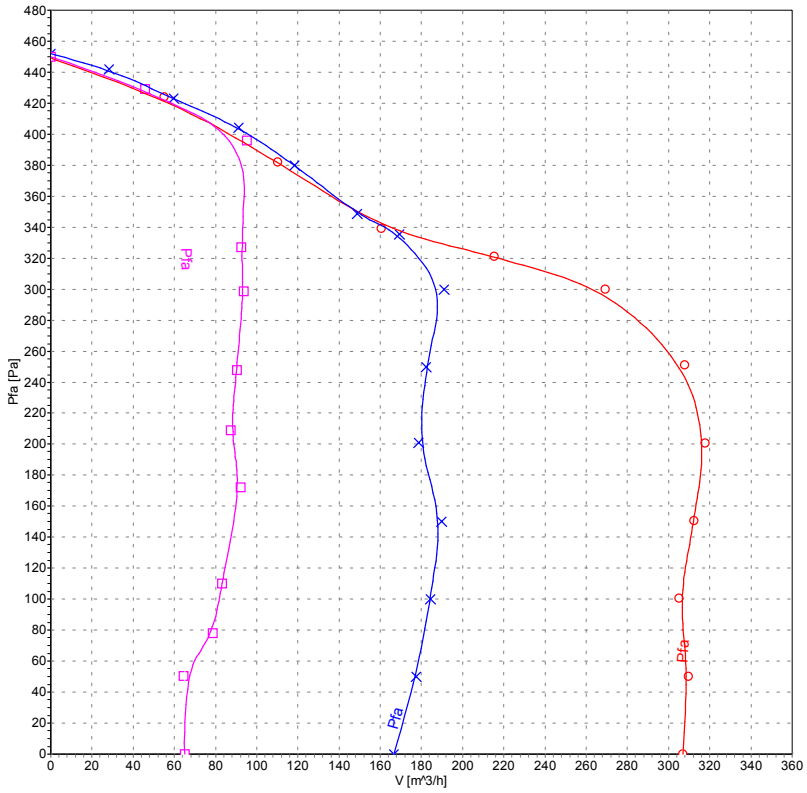
Charts: Air flow 50 Hz



Measurement: LU-65489
Measurement: LU-65490
Measurement: LU-65492

Measured values

	U	f	n	P_1	I	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[m^3/h]	[Pa]
1	230	50	1335	26	0.19	305	0
2	230	50	1685	38	0.27	310	80
3	230	50	2025	52	0.39	315	160
4	230	50	2300	67	0.50	310	250
5	230	50	760	7	0.07	165	0
6	230	50	1355	16	0.13	180	80
7	230	50	1805	27	0.20	185	160
8	230	50	2290	39	0.29	180	250
9	230	50	300	1	0.01	65	0
10	230	50	1315	9	0.08	80	80
11	230	50	1790	16	0.12	90	160
12	230	50	2205	23	0.17	90	250

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