

KARTA KATALOGOWA

G3G140-AW05-12

Wentylator promieniowy EC, łopatki zakrzywione do przodu, jednostronnie ssący, z obudową (z kołnierzem)

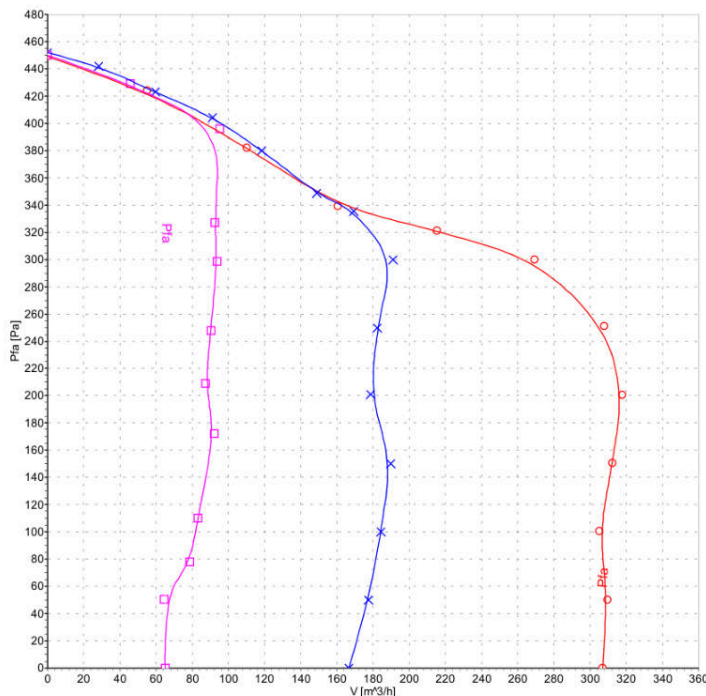
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	230 V	Wielkość	140 mm
Częstotliwość	50/60 Hz	Silnik	M3G055-CF
Prędkość obrotowa	2300 obr/min	Materiał wirnika	tworzywo PP-TV40
Pobór mocy	67 W	Obudowa elektroniki	odlew aluminiowy
Pobór prądu	0,5 A	Kierunek obrotów	w prawo, patrząc na wirnik
Maks. wydajność	315 m³/h	Stopień ochrony	IP44
Maks. ciśnienie statyczne	450 Pa	Klasa izolacji	B
Temperatura otoczenia	-25...+60 °C	Zabezpieczenie silnika	ochrona przed zablokowaniem wirnika
Regulacja obrotów	0-10 V / PWM	Łożyskowanie	kulkowe
		Masa	2,5 kg

Charakterystyka przepływowa (50 Hz)

Charts: Air flow 50 Hz



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

Dane na okładce wg karty katalogowej producenta ebm-papst (oryginał na kolejnych stronach).
Wartości przy maksymalnym obciążeniu; producent zastrzega możliwość zmian.

Dobór, wycena i dostawa – zapytaj LUFTBERG

tel. +48 600 100 371 · tel. +48 604 959 199
biuro@luftberg.pl · www.luftberg.pl

G3G140-AW05-12

EC centrifugal fan

forward curved, single inlet
with housing (flange)


ebm-papst Mulfingen GmbH & Co. KG

Bachmühle 2

D-74673 Mulfingen

Phone: +49(0)7938/81-0

Fax: +49(0)7938/81-110

info1@de.ebmpapst.com

www.ebmpapst.com

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

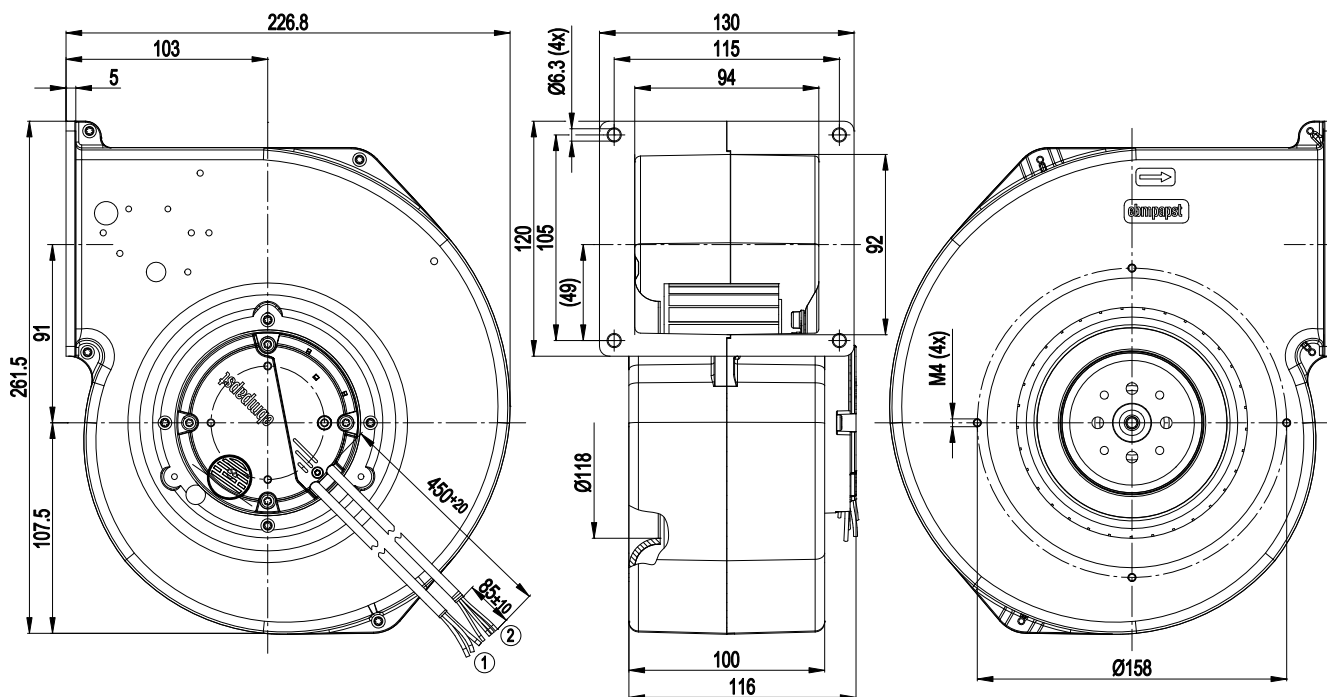
Leakage current	<= 3.5 mA
General description	Integrated electronics
Size	140 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Shaft horizontal, discharge on right side or on left side
Insulation class	"B"
Cable exit	Variable
Condensate discharge holes	Rotor-side
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 m³/h, 10V = 300 m³/h), 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 mm ² , 3x brass lead tips crimped |
| 2 | Connection line PVC 4 x 0.5 mm ² , 4 x brass lead tips crimped |

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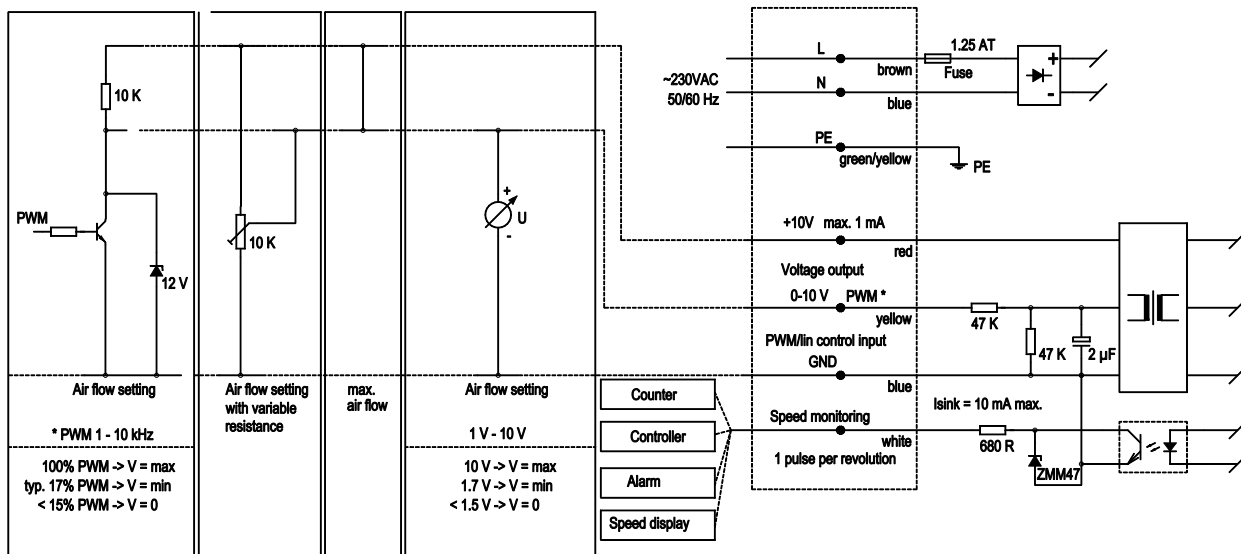
Connection screen

Customer circuit

Connection

Fan / motor

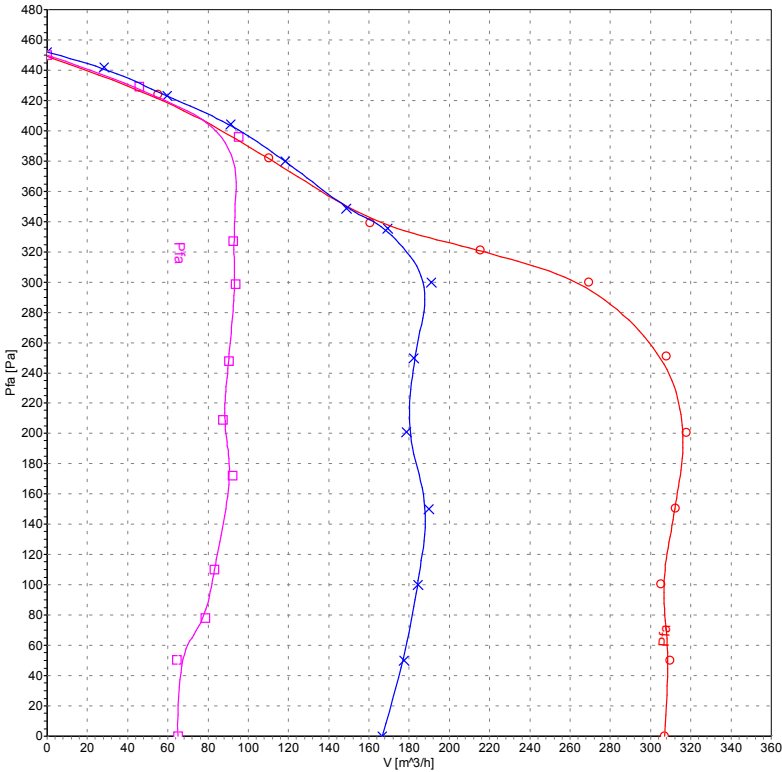
Notes on various control possibilities and their applications



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Charts: Air flow 50 Hz



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Measured values

	U	f	n	P ₁	I	$\dot{V}$	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/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