ВЕНТИЛЯТОРЫ.RU zakaz@ventilatorry.ru
МАГАЗИН ПРОМЫШЛЕННЫХ ВЕНТИЛЯТОРОВ

G1G140-AV17-02

EC centrifugal fan

forward curved, single inlet

with housing (flange)

ebm-papst Mulfingen GmbH & Co. KG
Bachmühle 2 · D-74673 Mulfingen
Phone +49 7938 81-0
Fax +49 7938 81-110
info1@de.ebmpapst.com
www.ebmpapst.com

Limited partnership · Headquarters Mulfingen
County court Stuttgart · HRA 590344

General partner: Elektrobau Mulfingen GmbH · Headquarters Mulfingen
County court Stuttgart · HRB 590142

Nominal data

Type	**G1G140-AV17-02**	
Motor	**M1G055-CF**	
Nominal voltage	VDC	24
Nominal voltage range	VDC	16 .. 28
Type of data definition		fa
Speed	min-1	1750
Power input	W	54
Current draw	A	2.5
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	+60

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

www.ventilatorry.ru

ВЕНТИЛЯТОРЫ.RU zakaz@ventilatorry.ru
МАГАЗИН ПРОМЫШЛЕННЫХ ВЕНТИЛЯТОРОВ

G1G140-AV17-02

EC centrifugal fan

forward curved, single inlet

with housing (flange)

Technical features

Mass	2.3 kg
Size	140 mm
Surface of rotor	Coated in black
Material of impeller	Hot-dip galvanized sheet steel
Housing material	Die-cast aluminium
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 22; Depending on installation and position
Insulation class	"B"
Humidity class	F0
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Any
Operation mode	S1
Motor bearing	Ball bearing
Technical features	- Tach output - Motor current limit - Soft start - Control input 0-10 VDC / PWM
EMC interference immunity	Acc. to EN 61000-6-2 (industrial environment)
EMC interference emission	Acc. to EN 55022 (Class B)
Motor protection	Reverse polarity and locked-rotor protection
Cable exit	Axial
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1

www.ventilatorry.ru

ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · D-74673 Mulfingen · Phone +49 7938 81-0 · Fax +49 7938 81-110 · info1@de.ebmpapst.com · www.ebmpapst.com

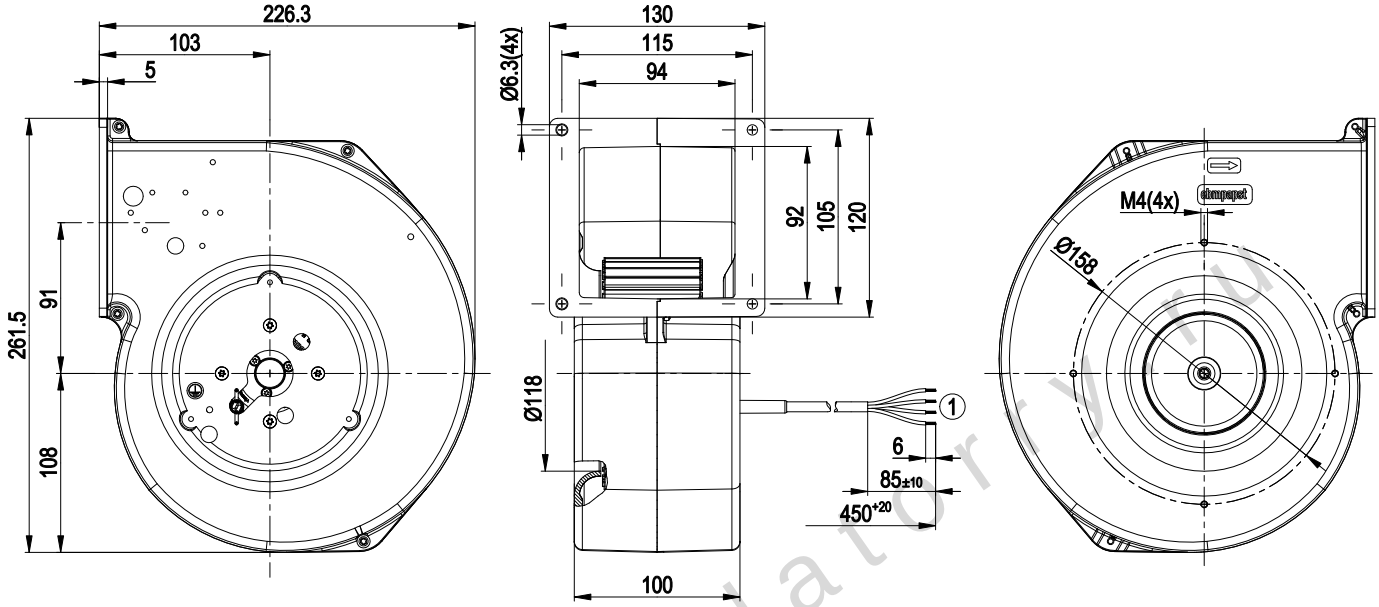
ВЕНТИЛЯТОРЫ.RU zakaz@ventilatorry.ru
МАГАЗИН ПРОМЫШЛЕННЫХ ВЕНТИЛЯТОРОВ

EC centrifugal fan

forward curved, single inlet

with housing (flange)

Product drawing



1	Connection line PVC AWG20, 4x brass lead tips crimped

www.ventilatorry.ru

ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · D-74673 Mulfingen · Phone +49 7938 81-0 · Fax +49 7938 81-110 · info1@de.ebmpapst.com · www.ebmpapst.com

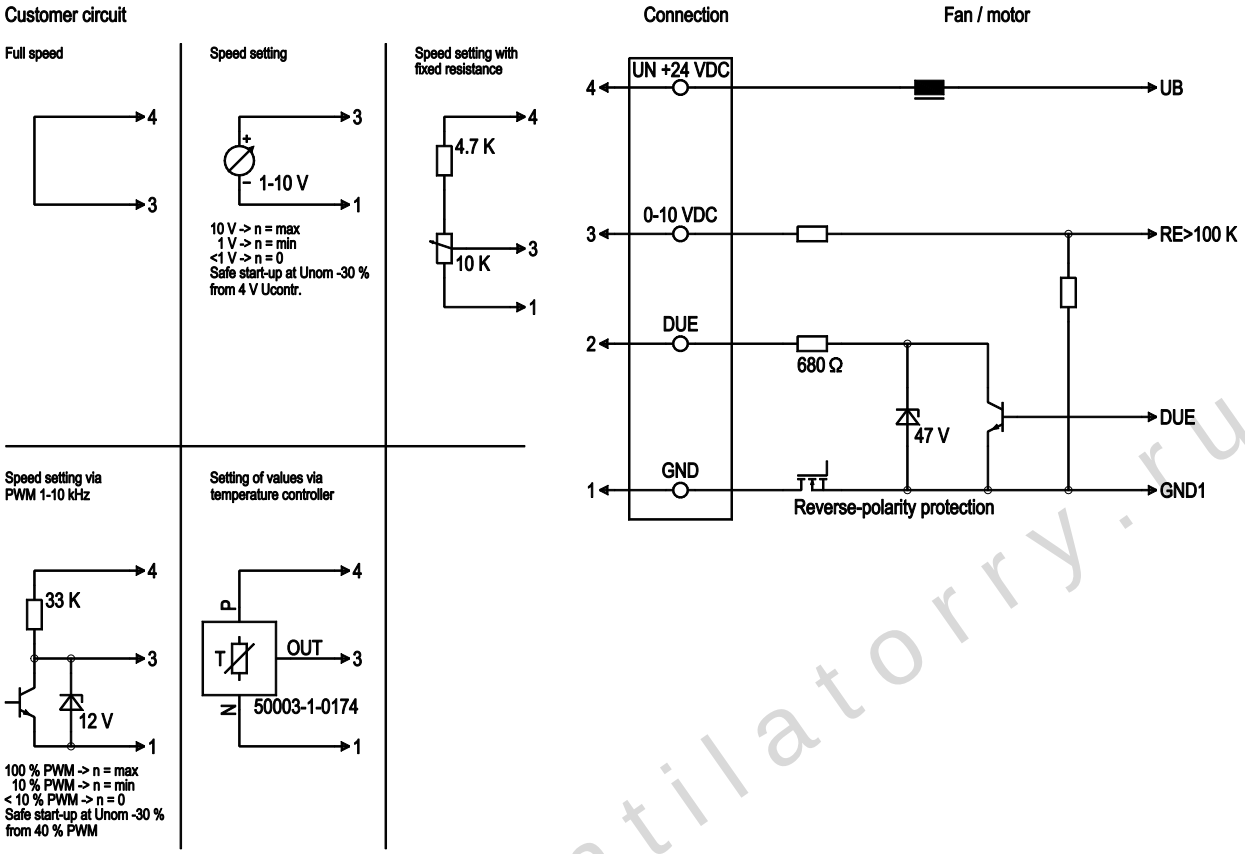
ВЕНТИЛЯТОРЫ.RU zakaz@ventilatorry.ru
МАГАЗИН ПРОМЫШЛЕННЫХ ВЕНТИЛЯТОРОВ

EC centrifugal fan

forward curved, single inlet

with housing (flange)

Connection screen



Line	No.	Signal	Colour	Function / assignment
1	1	GND	blue	Reference mass
1	2	DUE	white	Speed monitoring output, 2 pulses per rotation, Isink max = 10 mA
1	3	0-10 VDC	yellow	Control input Re > 100 K
1	4	Un +24 VDC	red	Power supply 24 VDC, residual ripple 3.5 %

www.ventilatorry.ru

ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · D-74673 Mulfingen · Phone +49 7938 81-0 · Fax +49 7938 81-110 · info1@de.ebmpapst.com · www.ebmpapst.com

ВЕНТИЛЯТОРЫ.RU zakaz@ventilatorry.ru
МАГАЗИН ПРОМЫШЛЕННЫХ ВЕНТИЛЯТОРОВ

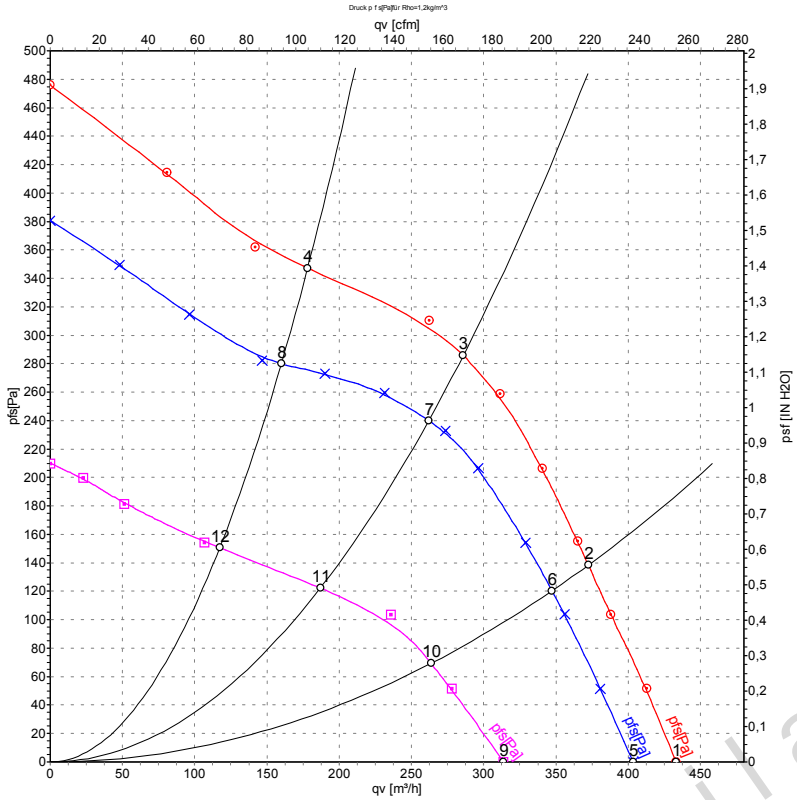
G1G140-AV17-02

EC centrifugal fan

forward curved, single inlet

with housing (flange)

Charts: Air flow



Measurement: LU-50746
Measurement: LU-50744
Measurement: LU-50747

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_{ed}	I	qv	p_{fs}
	V	min^{-1}	W	A	m^3/h	Pa
1	28	1875	67	2.80	435	0
2	28	2020	63	2.58	370	138
3	28	2255	58	2.29	285	286
4	28	2525	47	1.85	180	347
5	24	1750	54	2.50	405	0
6	24	1880	51	2.35	345	120
7	24	2055	44	2.02	260	240
8	24	2275	35	1.60	160	280
9	16	1370	26	1.78	315	0
10	16	1445	23	1.60	265	70
11	16	1575	19	1.35	185	123
12	16	1695	15	1.14	115	150

www.ventilatorry.ru

ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · D-74673 Mulfingen · Phone +49 7938 81-0 · Fax +49 7938 81-110 · info1@de.ebmpapst.com · www.ebmpapst.com