

D1G160-DA33-52

EC centrifugal fan

forward curved, dual inlet
with housing (without 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

Nominal data

Type	D1G160-DA33-52	
Motor	M1G074-CF	
Nominal voltage	VDC	48
Nominal voltage range	VDC	36 .. 57
Frequency	Hz	-
Type of data definition		rfa
Speed	min ⁻¹	1250
Power input	W	112
Current draw	A	2.9
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

D1G160-DA33-52

EC centrifugal fan

forward curved, dual inlet
with housing (without flange)

Technical features

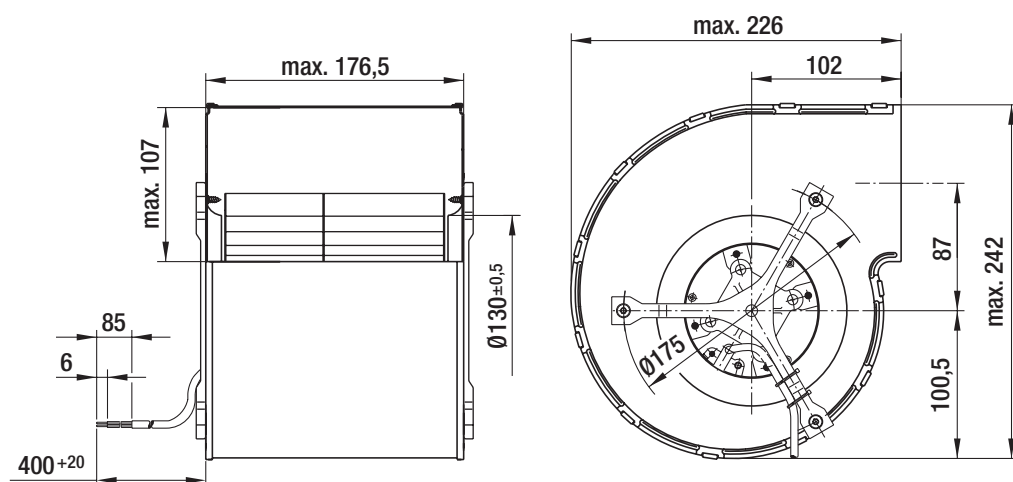
General description	Integrated electronics
Size	160 mm
Operation mode	Continuous operation (S1)
Direction of rotation	Counter-clockwise, seen on rotor
Mounting position	Any
Humidity class	F0
Insulation class	"B"
Cable exit	Variable
Motor bearing	Ball bearing
Mass	3.6 kg
Material of electronics housing	Rotor: Coated in black
Material of impeller	Sendzimir galvanized sheet steel
Motor protection	Reverse polarity and locked-rotor protection
Type of protection	IP 42
Protection class	I
Technical features	Control input 0-10 VDC / PWM, tach output, reverse polarity and locked rotor protection
Approval	CSA C22.2 Nr.77; UL 1004-1

D1G160-DA33-52

EC centrifugal fan

forward curved, dual inlet
with housing (without flange)

Product drawing

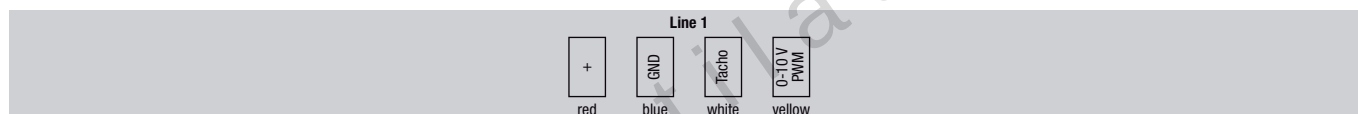
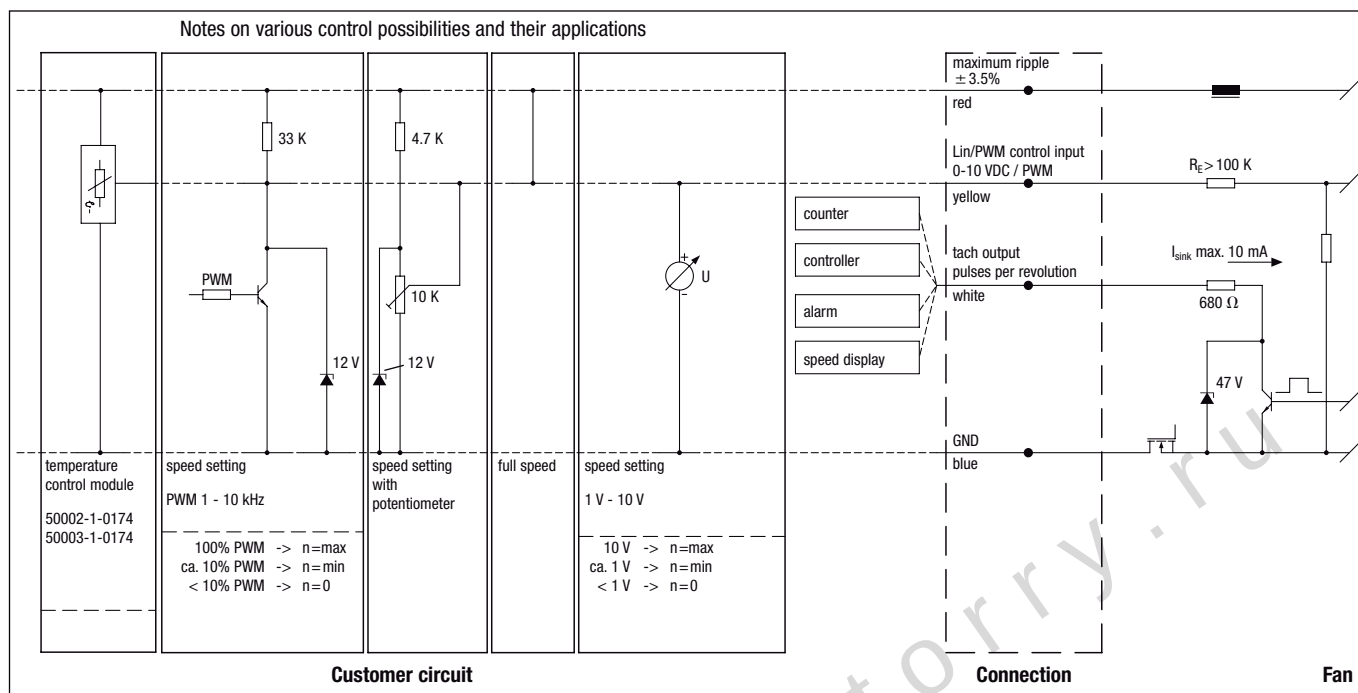


D1G160-DA33-52

EC centrifugal fan

forward curved, dual inlet
with housing (without flange)

Connection screen



Line	Signal	Colour	Assignment / function
1	+	red	maximum ripple $\pm 3.5\%$
	GND	blue	GND

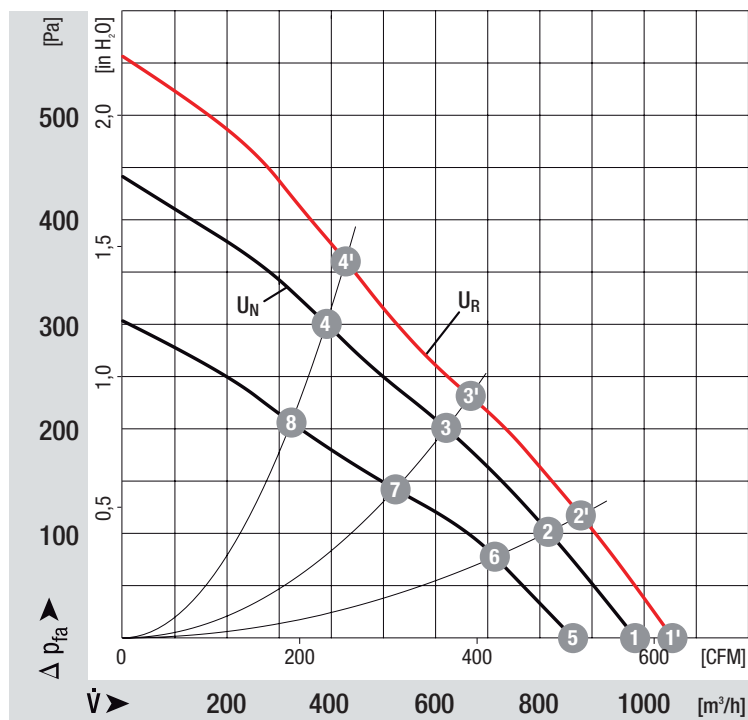
Line	Signal	Colour	Assignment / function
1	Tacho	white	Tach output: pulses per revolution
	0-10 V / PWM	yellow	Control input

D1G160-DA33-52

EC centrifugal fan

forward curved, dual inlet
with housing (without flange)

Charts: Air flow



Measured values

	n	P _e
	min ⁻¹	W
1'	1330	142
2'	1520	128
3'	1790	115
4'	2090	105
1	1250	112
2	1420	102
3	1660	92
4	1900	80
5	1100	75
6	1250	69
7	1420	58
8	1580	47