

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

EC centrifugal fan

forward curved, dual inlet
with housing (without flange)

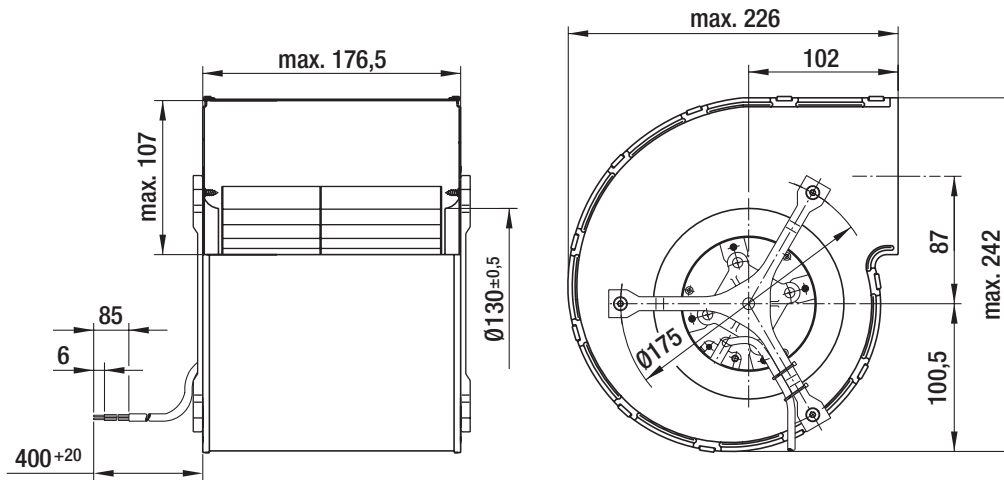
Technical features

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

EC centrifugal fan

forward curved, dual inlet
with housing (without flange)

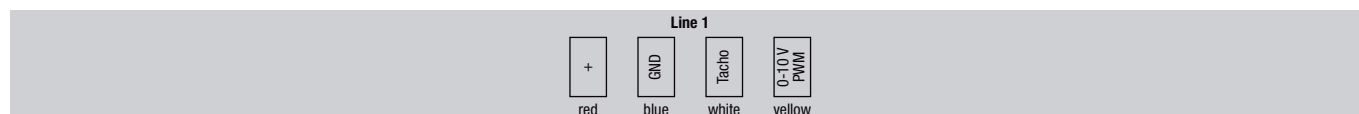
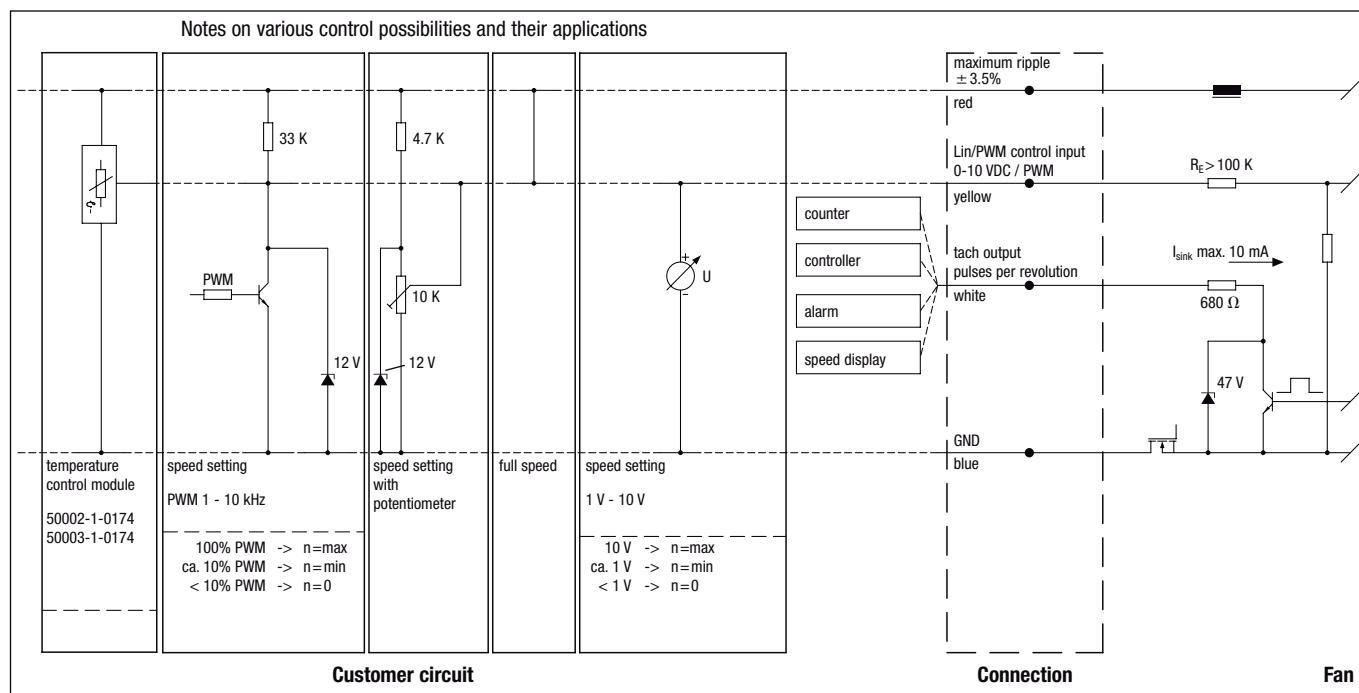
Product drawing



EC centrifugal fan

forward curved, dual inlet
with housing (without flange)

Connection screen

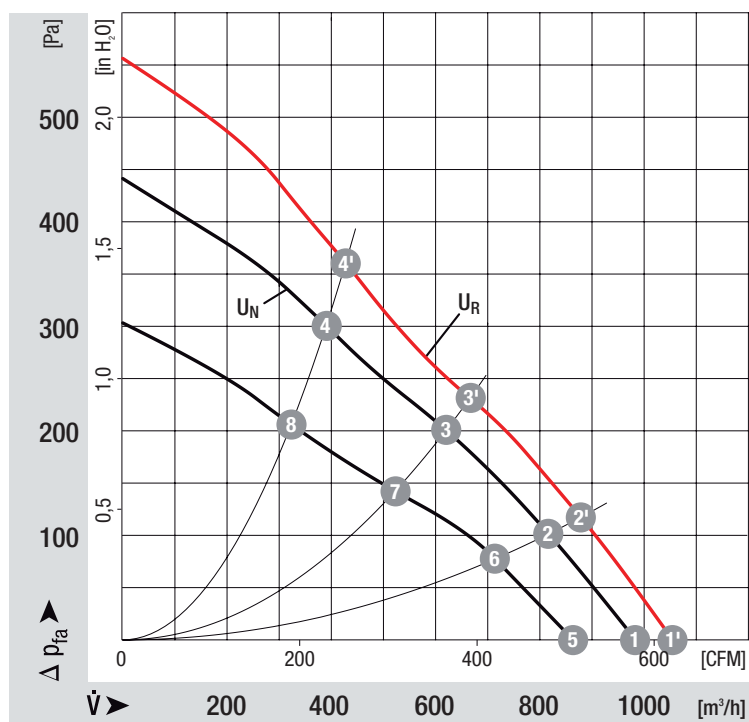


Line	Signal	Colour	Assignment / function	Line	Signal	Colour	Assignment / function
1	+	red	maximum ripple $\pm 3.5\%$	1	Tacho	white	Tach output: pulses per revolution
	GND	blue	GND		0-10 V / PWM	yellow	Control input

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