W3G330-CA76-01

EC axial fan with full round nozzle

sickled blades (S series)

W3G330-CA76-01 ebmpapst Datasheet
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Nominal data

Type	**W3G330-CA76-01**	
Motor	**M3G074-CF**	
Phase		1~
Nominal voltage	[VAC]	115
Nominal voltage range	[VAC]	100 .. 130
Frequency	[Hz]	50/60
Type of data definition		ml
State		prelim.
Speed	[min^{-1}]	1530
Power input	[W]	170
Current draw	[A]	2,1
Max. back pressure	[Pa]	120
Max. ambient temperature	[°C]	60
Air flow	[m^3/h]	1700
Back pressure	[Pa]	120

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

General description	Integrated electronics
Size	330 mm
Operation mode	Continuous operation (S1)
Direction of rotation	"V"
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Insulation class	"B"
Cable exit	Variable
Bearing motor	Ball bearing
Mass	2.9 kg
Material of electronics housing	Coated in black
Housing material	Die-cast aluminum
Material of impeller	Sheet steel, coated in black
Motor protection	Thermal overload protector (TOP) wired internally
Number of blades	5
Type of protection	IP 44 - depending on position
Protection class	I
Technical features	PFC (passive), control input 0-10 VDC / PWM, output 10 VDC max. 1.1 mA, tach output, over-temperature protected electronics / motor

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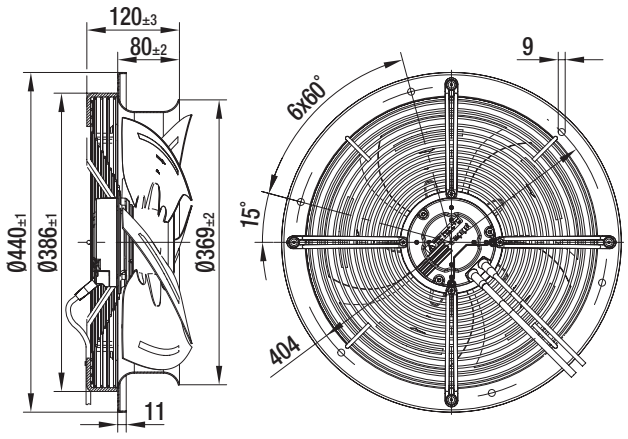
Product drawing



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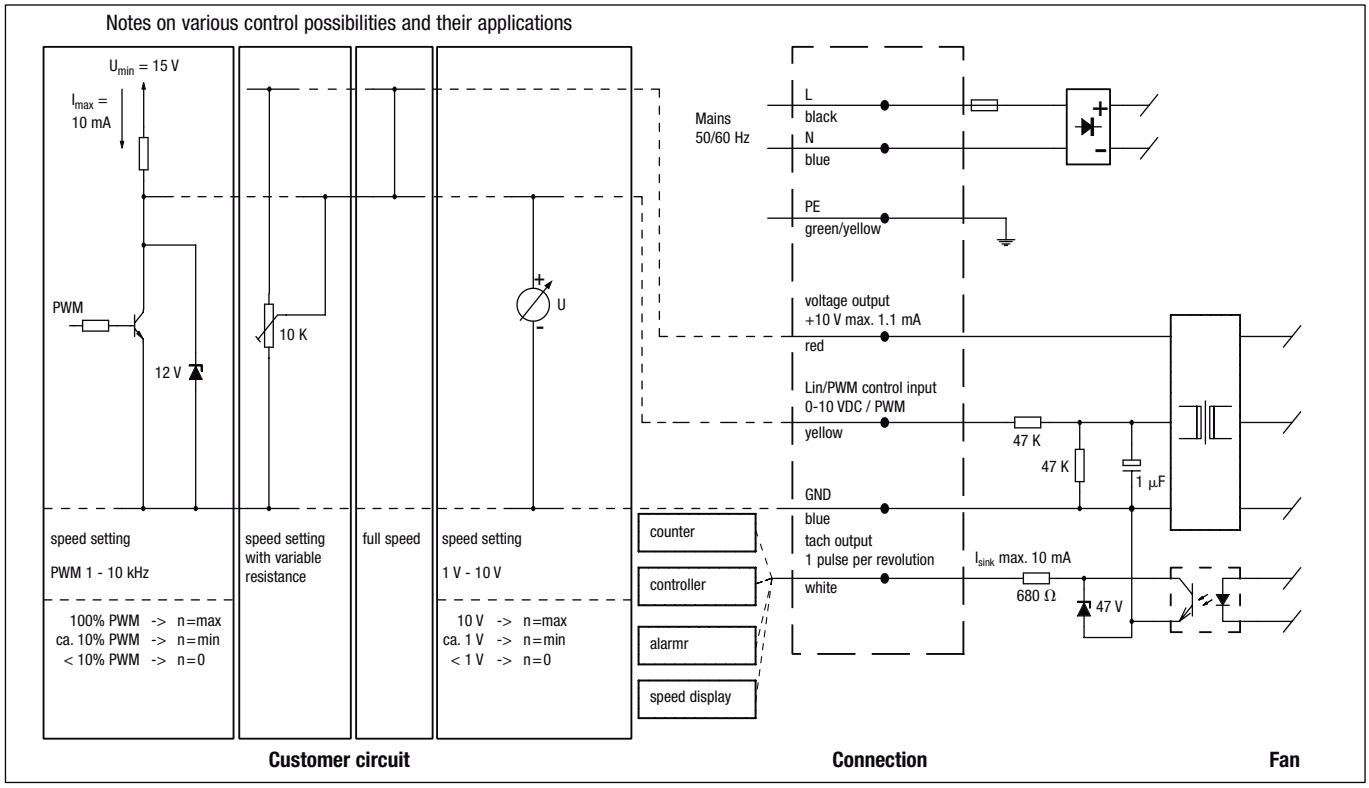
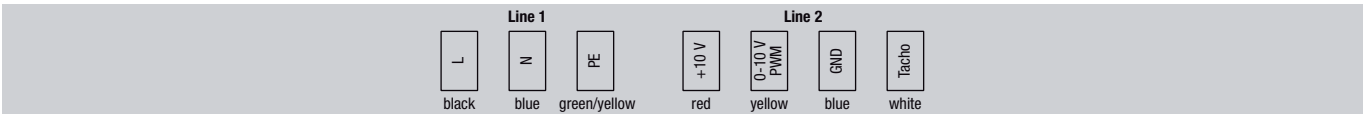
Connection screen





Line	Signal	Colour	Assignment / function
1	L	black	Mains 50/60 Hz, phase
	N	blue	Mains 50/60 Hz, neutral
	PE	green/yellow	Protective earth

Line	Signal	Colour	Assignment / function
2	+10 V	red	Voltage output +10 V max. 1.1 mA
	0-10 V / PWM	yellow	Control input
	GND	blue	GND
	Tacho	white	Tach output: pulses per revolution

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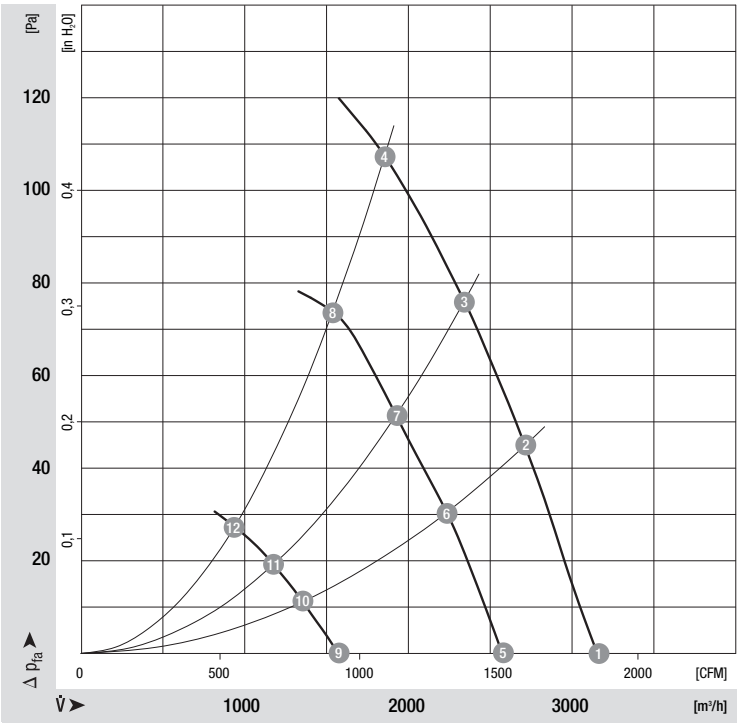
Charts: Air flow



Measured values

	n	P_1	I	LpA_{ss}	η_{TL}
	[min^{-1}]	[W]	[A]	[dB(A)]	[%]
1	1660	131	1.70	68	
2	1630	144	1.80	66	81
3	1610	147	1.90	64	78
4	1570	163	2.10	63	61
5	1350	72	1.00	64	
6	1340	83	1.10	62	80
7	1330	87	1.20	60	74
8	1290	92	1.20	58	62
9	830	20	0.30	51	
10	820	20	0.30	51	
11	810	25	0.40	45	59
12	800	27	0.40	44	48