W3G250-CD54-01

EC axial fan

sickled blades (S series)

with full round nozzle

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Nominal data

Type	**W3G250-CD54-01**	
Motor	**M3G074-CF**	
Nominal voltage	[VAC]	230
Nominal voltage range	[VAC]	200 .. 277
Frequency	[Hz]	50/60
Speed	[min^{-1}]	3050
Power input	[W]	170
Current draw	[A]	1.25
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

General description	Integrated electronics
Size	250 mm
Operation mode	Continuous operation (S1)
Direction of rotation	"A"
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Insulation class	"B"
Cable exit	Variable
Bearing motor	Ball bearing
Mass	2.4 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
Product conforming to standard	CE
Number of blades	9
Type of protection	IP 44
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
Approval	CSA C22.2 Nr.77; UL 2111

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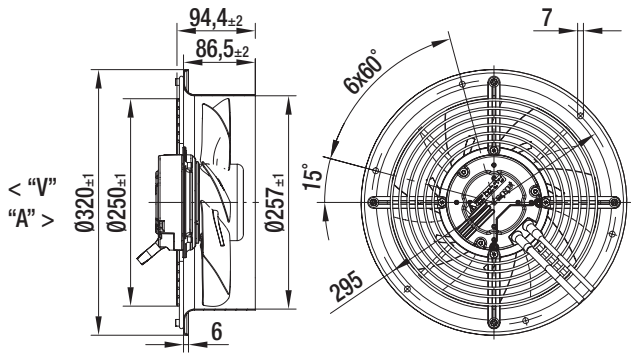
Product drawing



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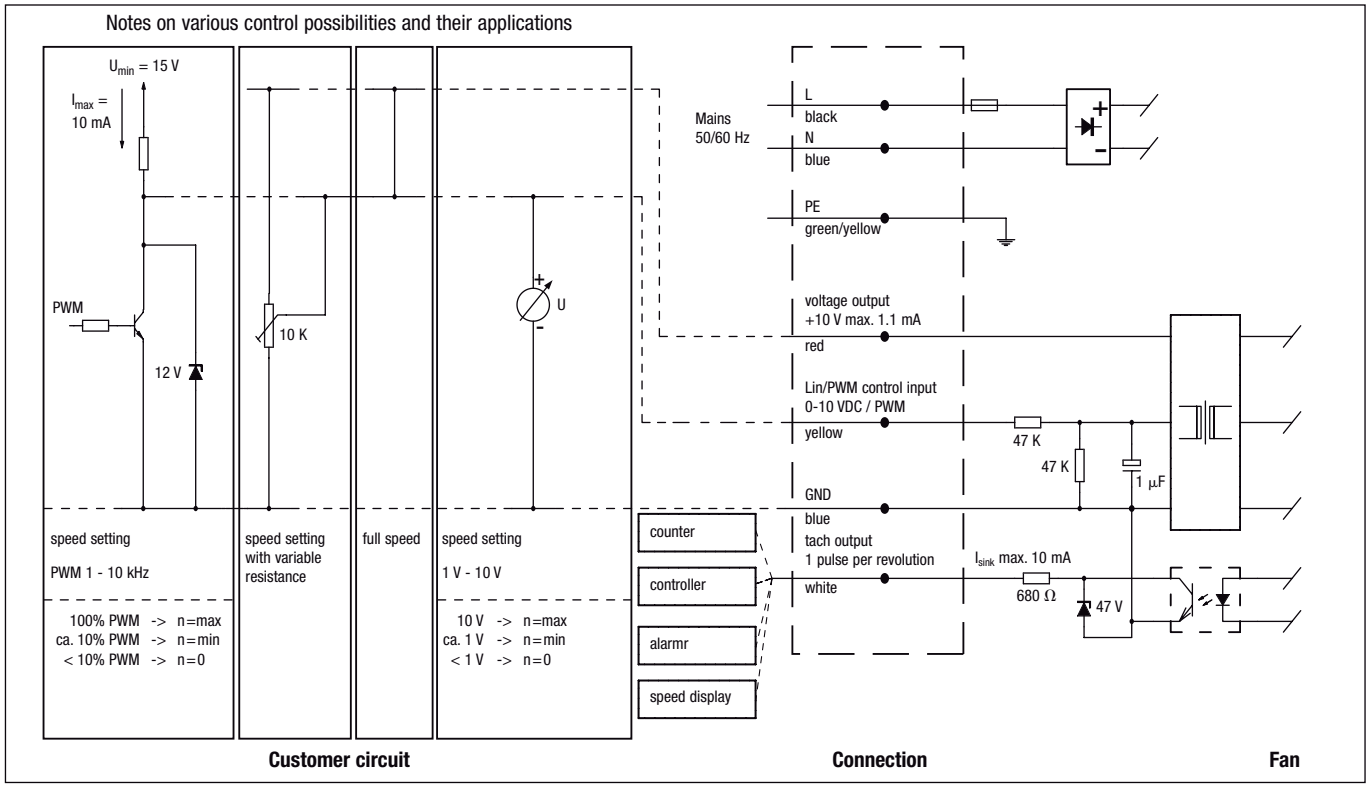
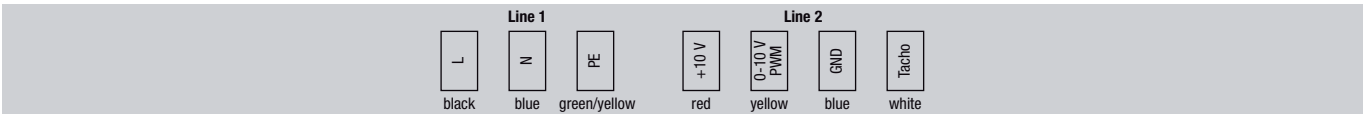
Connection screen





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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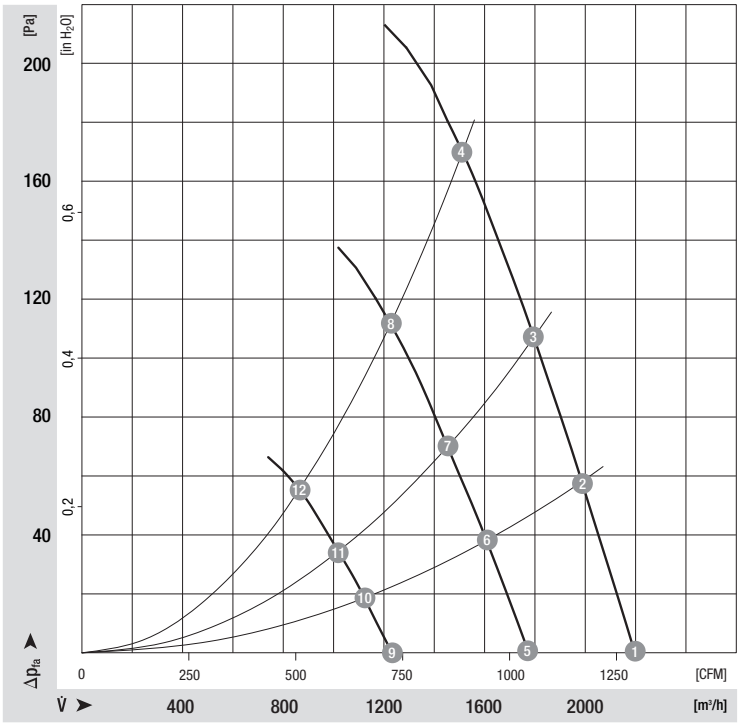
Charts: Air flow



Measured values

	n	P_1	I	LpA_{ss}	LwA_{ss}	η_{TL}
	[min^{-1}]	[W]	[A]	[dB(A)]	[dB(A)]	[%]
1	3050	170	1.30	72		
2	2970	169	1.30	73		89
3	2900	169	1.30		74	88
4	2820	168	1.30	75		86
5	2500	96	0.70	68		
6	2410	64	0.70	68		86
7	2360	94	0.70	69		86
8	2300	94	0.70	69		81
9	1740	37	0.30	57		
10	1700	37	0.30	56		75
11	1660	37	0.30	58		75
12	1610	37	0.30	59		72

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