

EC axial fans

with brushless DC motor, Ø 300



- **Material:** Wall ring: PA plastic, coloured black, conforms to EN 45545 (R25-HL3)
Impeller: PA plastic, coloured black, conforms to EN 45545 (R25-HL3)
- **Direction of rotation:** Clockwise, seen on rotor
- **Direction of air flow:** "V", exhaust over struts
- **Type of protection:** Motor: IP 24 KM, Electronics: IP 66 / 69 K
- **Insulation class:** "B" in accordance with EN 60335-1
- **Mounting position:** Any
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings
- **Motor protection:** Overtemperature protection, reverse polarity and locked-rotor protection, load dump protection, under-voltage detection
- **EMC requirements:** VDE 0879-2, interference suppression grade 5
- **Qualified to:** ISO 16750

Nominal data

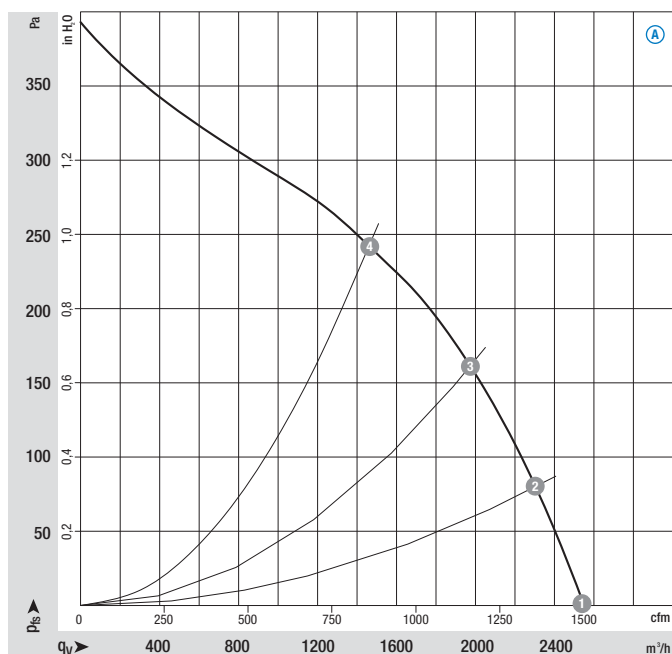
Type	Motor	Curve	Nominal voltage	Nominal voltage range	Flow rate	speed/rpm	Input power	Current draw	Sound pressure level	Perm. amb. temp.	Mass	Electr. connection
			VDC	VDC	m³/h	rpm	W	A	dB(A)	°C	kg	
W3G300-BV24 -81⁽¹⁾	M3G084-BF	A	26	16-32	2570	3160	205	7,90	74	-40..+110 ⁽²⁾	2,0	p. 47

subject to alterations

⁽¹⁾ 24-volt variant

⁽²⁾ over + 95 °C with power derating

Curves



Air performance measured as per: ISO 5801, Installation category A, without protection against accidental contact

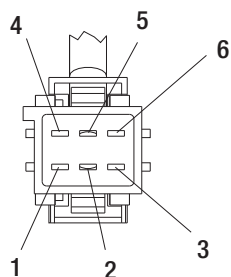
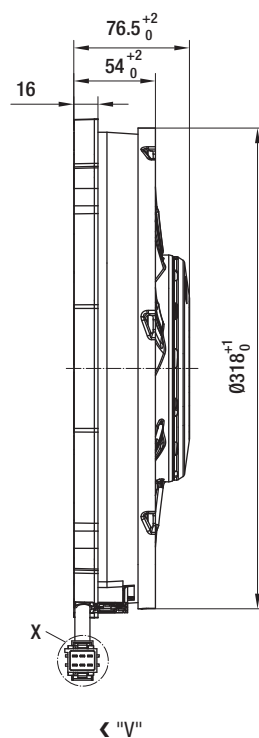
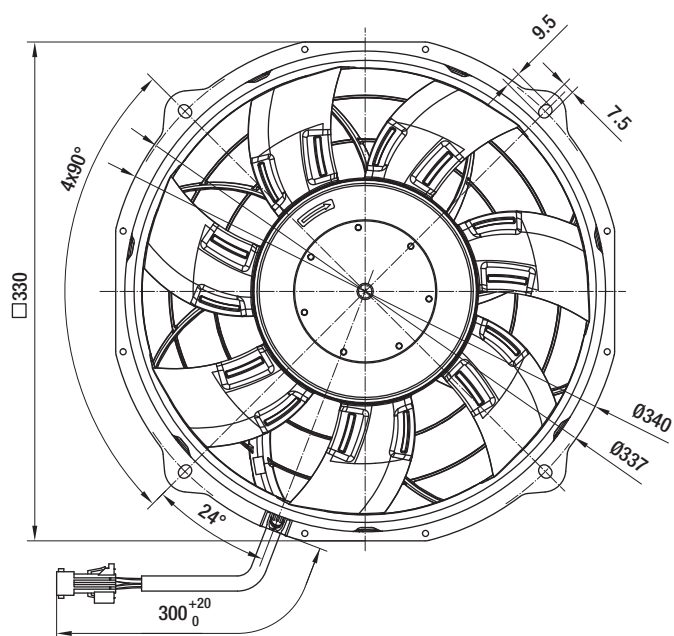
A 1	3160	205	7,90	74
A 2	3150	216	8,30	73
A 3	3085	240	9,20	73
A 4	2965	244	9.40	73

Suction-side noise levels: L_{pA} measured at 1 m distance to fan axis

The acoustic values given are only valid under the measurement conditions listed and may vary depending on the installation situation.

With any deviation to the standard setup, the specific values have to be checked and reviewed once installed or fitted!

For detailed information see page 50 ff.



View X

1 = + UB black
 2 = GND brown
 3 = PWM/LIN* yellow
 4 = INVLIN orange
 5 = Lower blue
 6 = Diagnostic output white
 AMP Junior Power Timer, 6-pole, coded;
 connection lead (460 mm) with mating plug
 Part no. 02002-4-1021 (not included in delivery)

* optionally LIN-BUS