

EC axial fans

with brushless DC motor, Ø 385



- **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

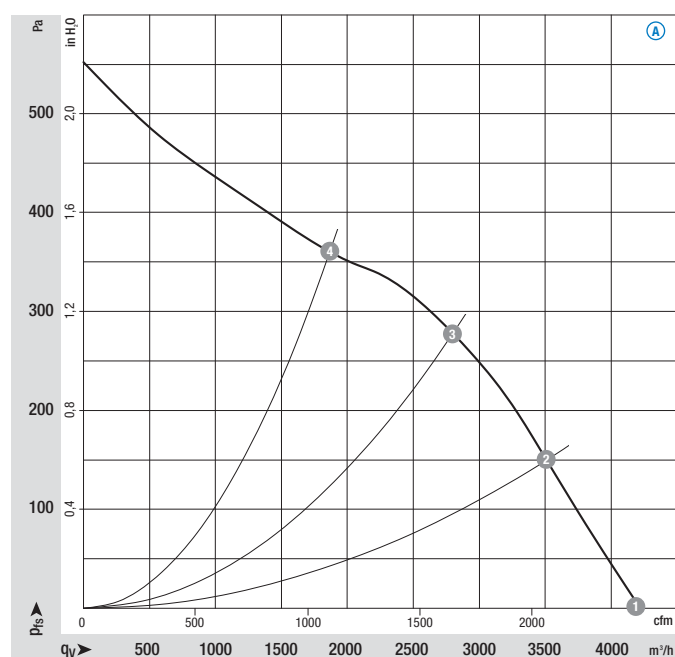
Type	Motor	Curve	Nominal voltage	Nominal voltage range	Flow rate	speed/rpm	Input power	Current draw	Sound pressure level	Perm. amb. temp.	Mass	Electr. connection
			VDC	VDC	m³/h	rpm	W	A	dB(A)	°C	kg	
W3G385-CT65 -81⁽¹⁾	M3G084-CF	A	26	16-32	4220	3250	565	21,7	80	-40..+110 ⁽²⁾	3,1	p. 48

subject to alterations

⁽¹⁾ 24-volt variant

⁽²⁾ over + 70 °C with power derating

Curves



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

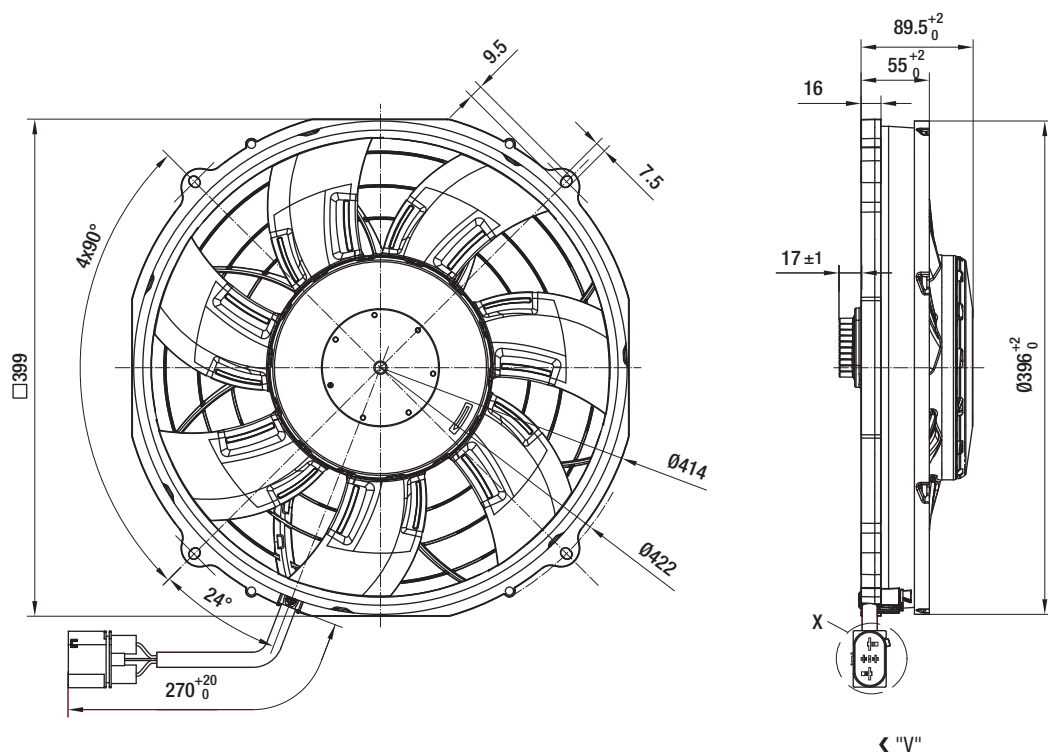
	n rpm	P _e W	I A	L _{pA} dB(A)
A 1	3250	565	21,7	80
A 2	3140	595	22,9	79
A 3	2985	620	23,8	77
A 4	2840	620	23,8	76

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.

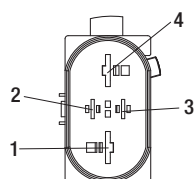
With any deviation to the standard setup, the specific values have to be checked and reviewed once installed or fitted!

For detailed information see page 50 ff.



Bushing on customer side:

Housing: FCI 30432101
 Pins: 9,5 mm FCI 60070461
 4,8 mm FCI 60040431
 Sealings: FCI 60993301
 FCI 60992607



View X

1 = + UB black
 2 = Diagnostic output* white
 3 = PWM/LIN yellow
 4 = GND brown

* optionally LIN-BUS