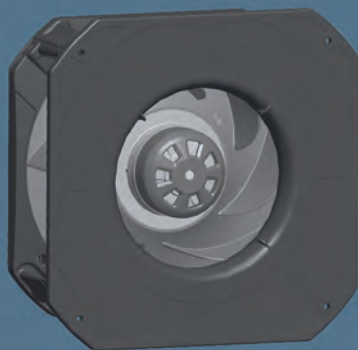


EC centrifugal fans RadiCal

backward curved, Ø 220



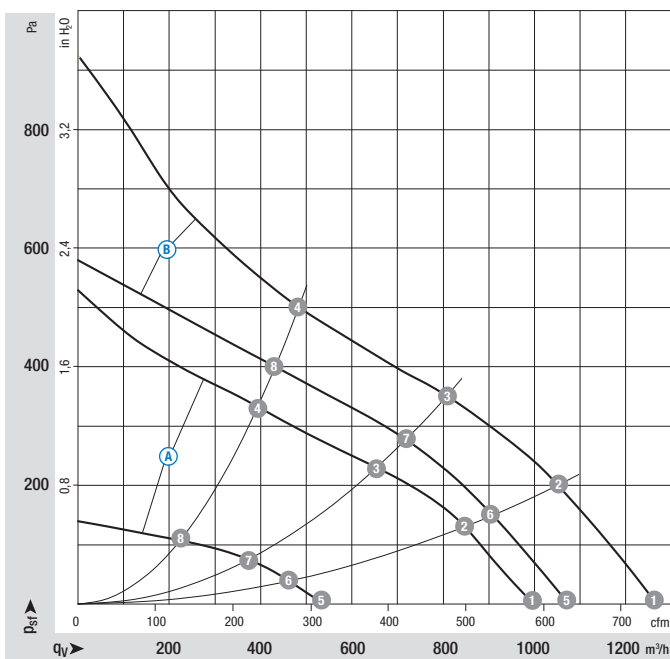
- **Material:** Housing: Plastic PA 6, fibreglass-reinforced
Impeller: Plastic PA 6, fibreglass-reinforced
Rotor: Thick layer passivated
Electronics housing: Die-cast aluminium
- **Number of blades:** 7
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None, open rotor
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data		Curve	Nominal voltage range	Frequency	Speed/rpm ⁽¹⁾	Max. input power ⁽¹⁾	Max. current draw ⁽¹⁾	Perm. amb. temp.	Electr. connection
Type	Motor		VAC	Hz	rpm	W	A	°C	p. 64/65
*3G 220	M3G 055-BI	A	1~ 200-240	50/60	2580	85	0,70	-25..+60	H3)
*3G 220	M3G 055-CF	B	1~ 200-240	50/60	3210	170	1,35	-25..+45	H3)
*3G 220	M3G 055-BI	C	1~ 200-240	50/60	2580	85	0,70	-25..+60	H4)
*3G 220	M3G 055-CF	D	1~ 200-240	50/60	3210	170	1,35	-25..+45	H4)

subject to alterations

(1) Nominal data in operating point with maximum load and 230 VAC

Curves (2 Speed stages)



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

Suction-side noise levels: L_{WA} as per ISO 13347, 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!

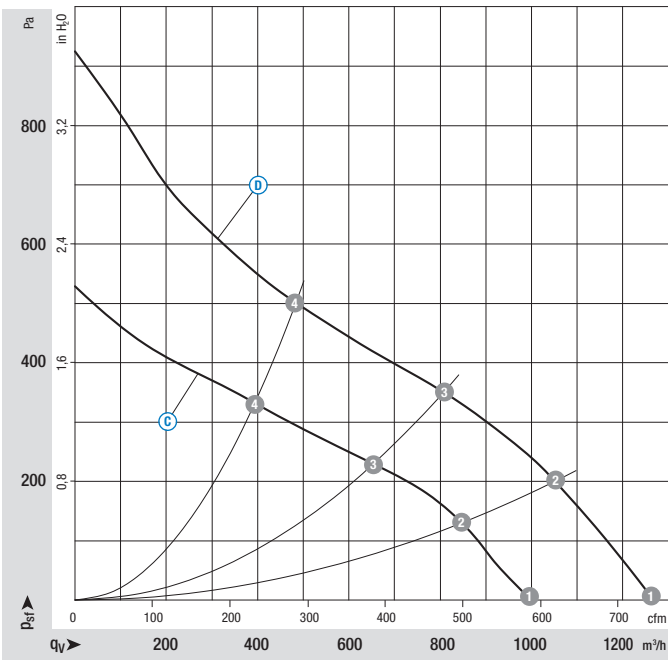
For detailed information see page 66 ff.

	n rpm	P _e W	I A	L _{WA} dB(A)
A 1	2765	79	0,67	71
A 2	2700	84	0,69	67
A 3	2580	85	0,70	65
A 4	2635	85	0,70	67
A 5	1505	15	0,18	57
A 6	1485	16	0,20	54
A 7	1465	17	0,21	51
A 8	1485	17	0,19	52
B 1	3490	161	1,29	76
B 2	3350	166	1,35	72
B 3	3210	170	1,35	69
B 4	3240	165	1,35	71
B 5	2970	100	0,85	72
B 6	2910	110	0,94	69
B 7	2865	120	1,10	67
B 8	2910	118	1,01	69

- **Technical features** [A](#) [B](#) : • Speed adjustment input (230V) • Electronics / motor overtemperature protection • Motor current limitation
• Locked rotor protection • Soft start
- **Technical features** [C](#) [D](#) : • Control input 0-10 VDC / PWM • Output 10 VDC max. 1,1 mA • Tach output
• Electronics / motor overtemperature protection • Motor current limitation • Locked rotor protection • Soft start
- **EMC**: Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-2
Harmonics acc. to EN 61000-3-2/3
- **Leakage current**: < 3,5 mA acc. to EN 60950-1
- **Cable exit**: Variable
- **Protection class**: I
- **Product conforming to standard**: EN 60335-1
- **Approvals**: VDE, UL, CSA, CCC, GOST are applied for

	Mass of centrifugal fan		Mass of centrifugal module with support basket
Centrifugal fan	kg	Centrifugal module	kg
R3G 220-RC05 -01	1,13	K3G 220-RC05 -01	2,03
R3G 220-RD21 -01	1,53	K3G 220-RD21 -01	2,43
R3G 220-RC05 -03	1,20	K3G 220-RC05 -03	2,10
R3G 220-RD21 -03	1,53	K3G 220-RD21 -03	2,43

Curves (Speed-controlled)



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

Suction-side noise levels: L_{WA} as per ISO 13347, 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 66 ff.

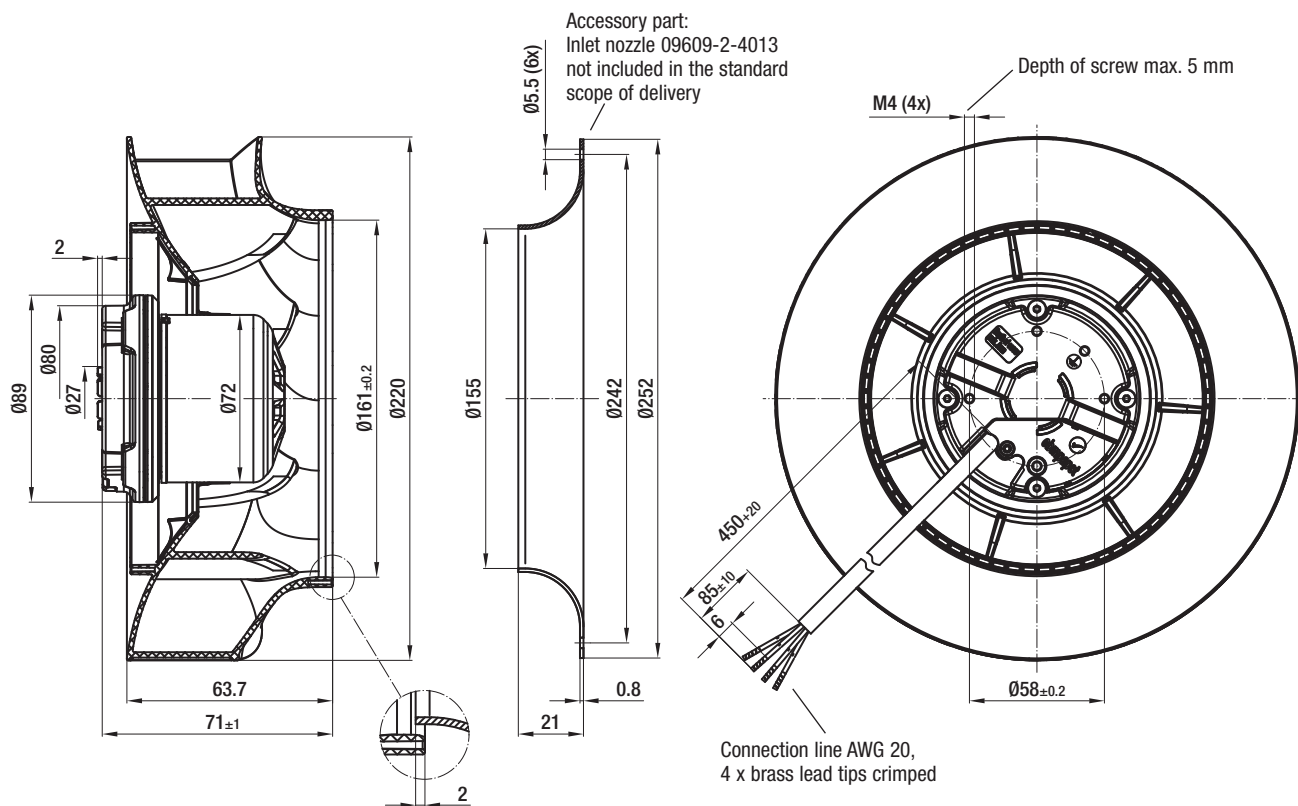
		n rpm	P _e W	I A	L _{WA} dB(A)
C	1	2765	79	0,67	71
C	2	2700	84	0,69	67
C	3	2580	85	0,70	65
C	4	2635	85	0,70	67
D	1	3490	161	1,29	76
D	2	3350	166	1,35	72
D	3	3210	170	1,35	69
D	4	3240	165	1,35	71

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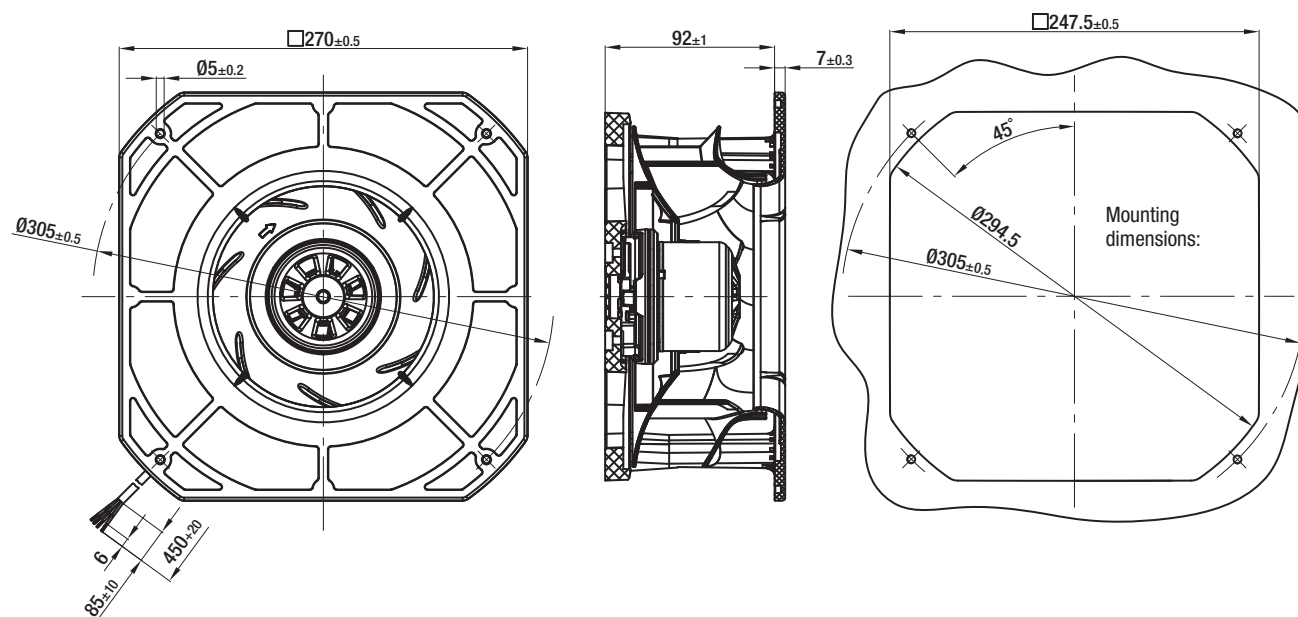
backward curved, Ø 220, 2 Speed stages, 85 W



R3G 220-RC05-01



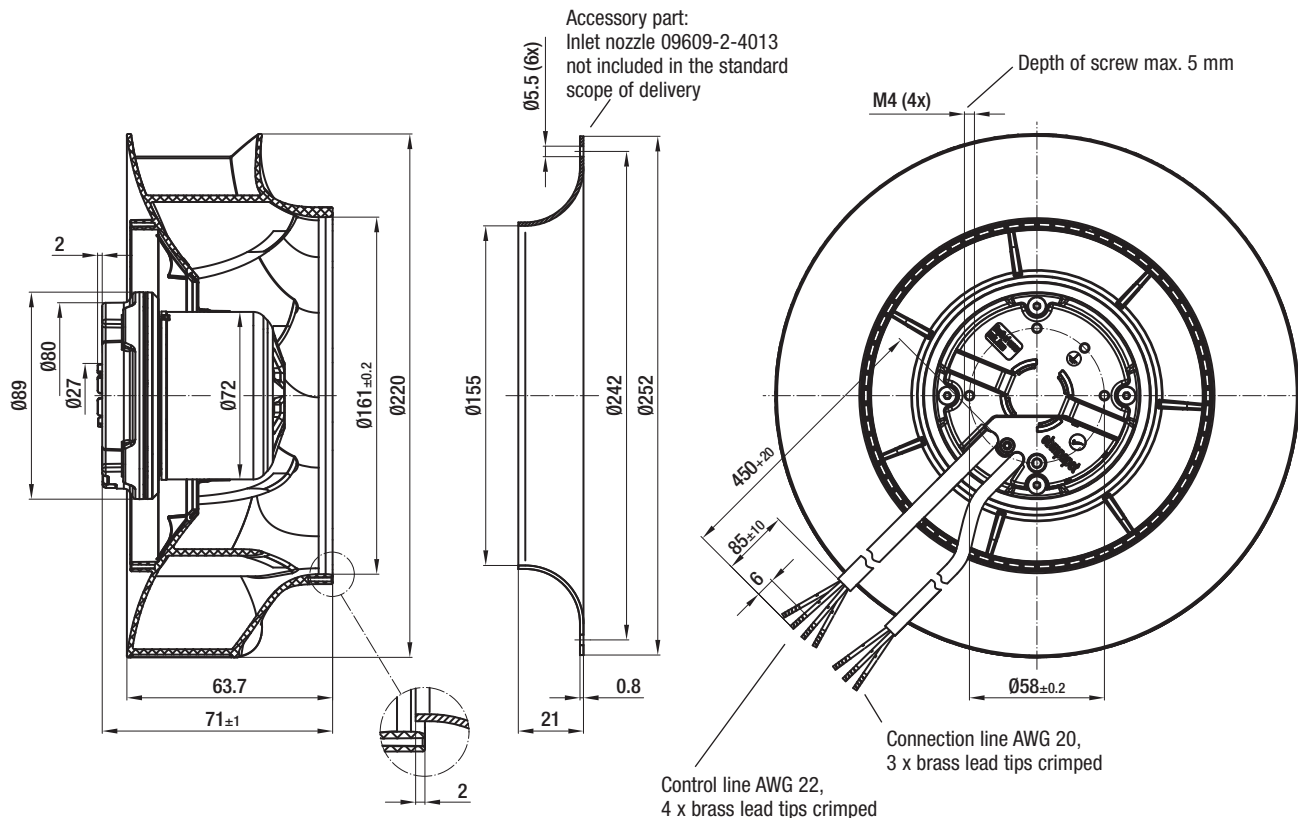
K3G 220-RC05-01



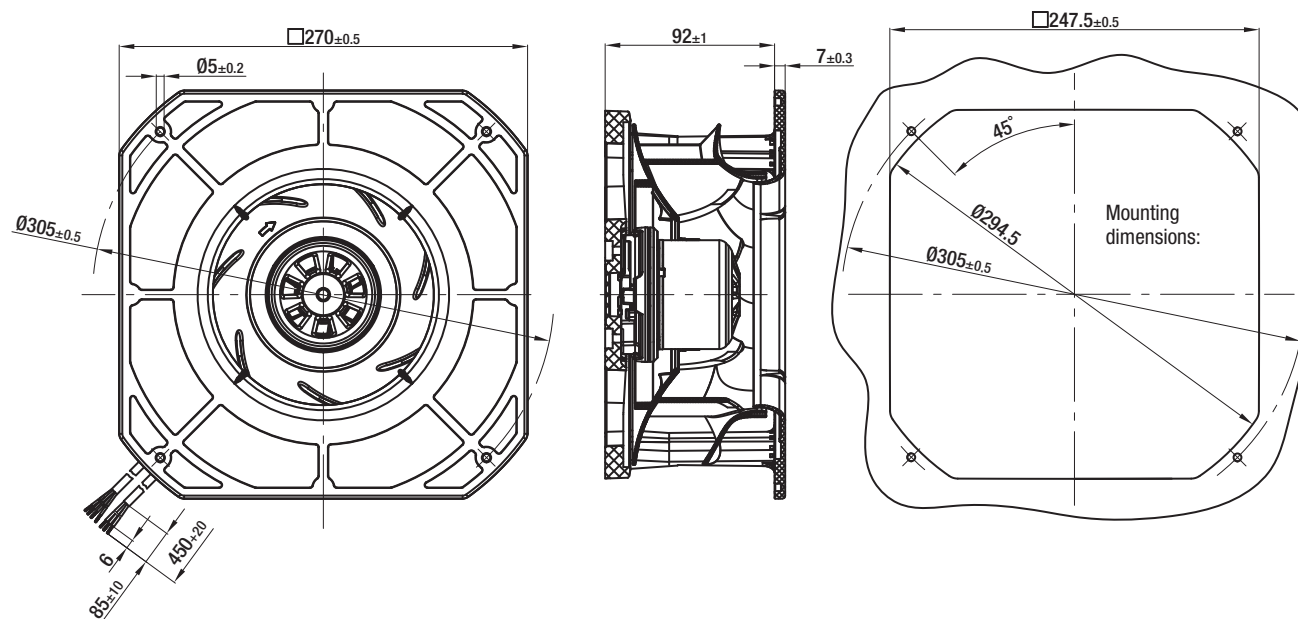
EC centrifugal fans RadiCal

backward curved, Ø 220, Speed-controlled, 85 W

R3G 220-RC05-03



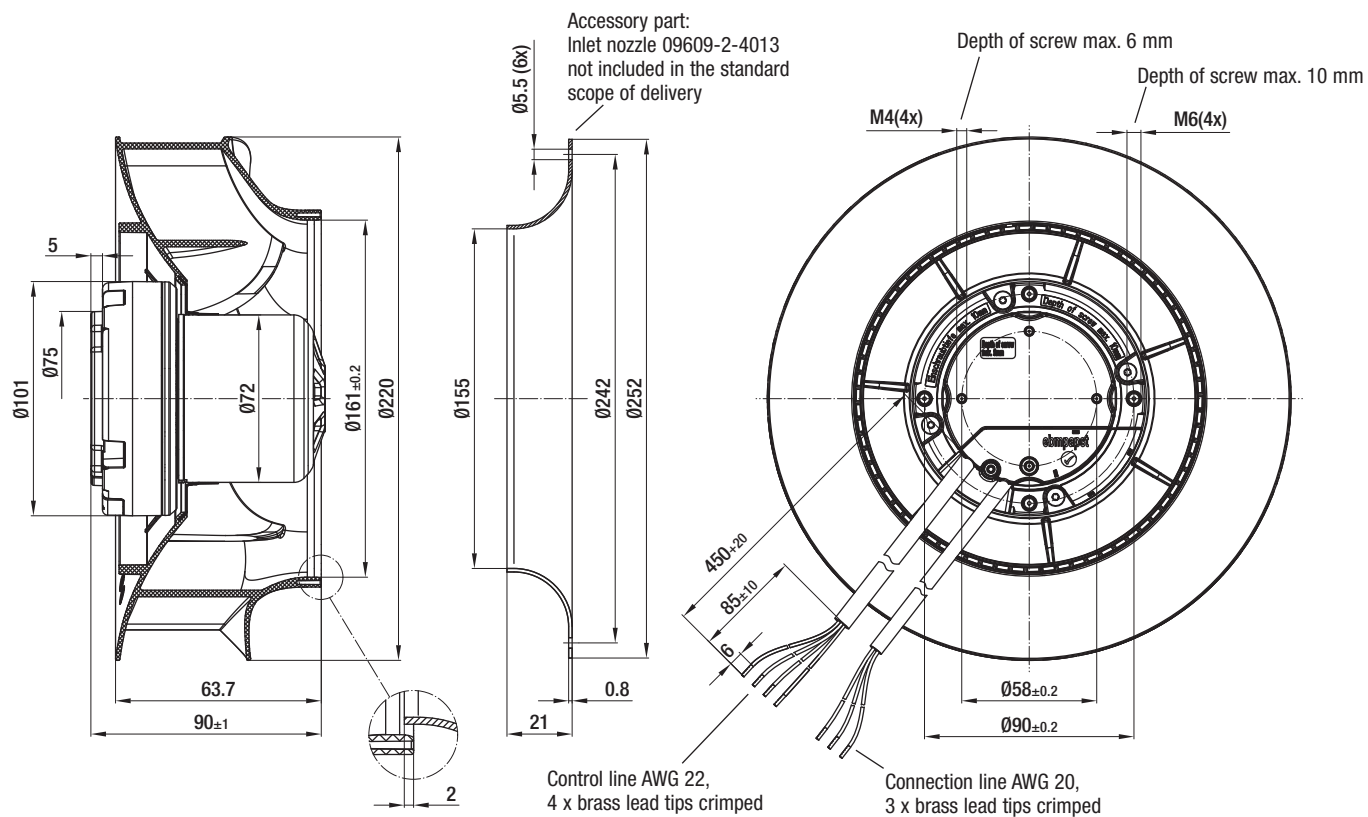
K3G 220-RC05-03



EC centrifugal fans RadiCal

backward curved, Ø 220, Speed-controlled, 170 W

R3G 220-RD21-03



K3G 220-RD21-03

