

EC centrifugal fans

backward curved, Ø 250



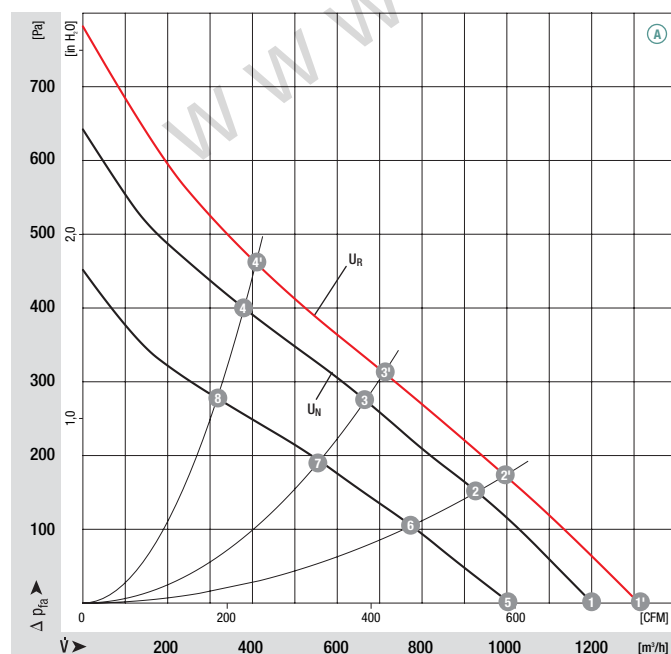
- **Material:** Impeller: PA plastic 6.6, fibreglass-reinforced
Rotor: Coated in black
- **Number of blades:** 11
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 42
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data

Type	Motor	Curve	Nominal voltage VDC	Voltage range VDC	Air flow m³/h	Speed/rpm	Power input W	Current draw A	Sound pressure level dB(A)	Perm. amb. temp. °C	Electr. connection p. 600
R1G 250	M1G 074-CF	Ⓐ	24	16-28	1140	2540	93	4.30	73	-25 to +60	G)
R1G 250	M1G 074-CF	Ⓐ	48	36-57	1200	2600	105	2.55	72	-25 to +60	G)

subject to alterations

Curves (established at 48 VDC)



	n [rpm]	P ₁ [W]	L _{pA} [dB(A)]	η _{HL} [%]
Ⓐ 1'	2870	134	75	—
Ⓐ 2'	2610	139	68	55
Ⓐ 3'	2530	140	63	58
Ⓐ 4'	2650	138	66	48
Ⓐ 1	2600	105	72	—
Ⓐ 2	2440	114	66	55
Ⓐ 3	2360	116	62	58
Ⓐ 4	2490	112	64	48
Ⓐ 5	2190	59	68	—
Ⓐ 6	2020	67	62	55
Ⓐ 7	2020	70	57	58
Ⓐ 8	2070	66	59	48

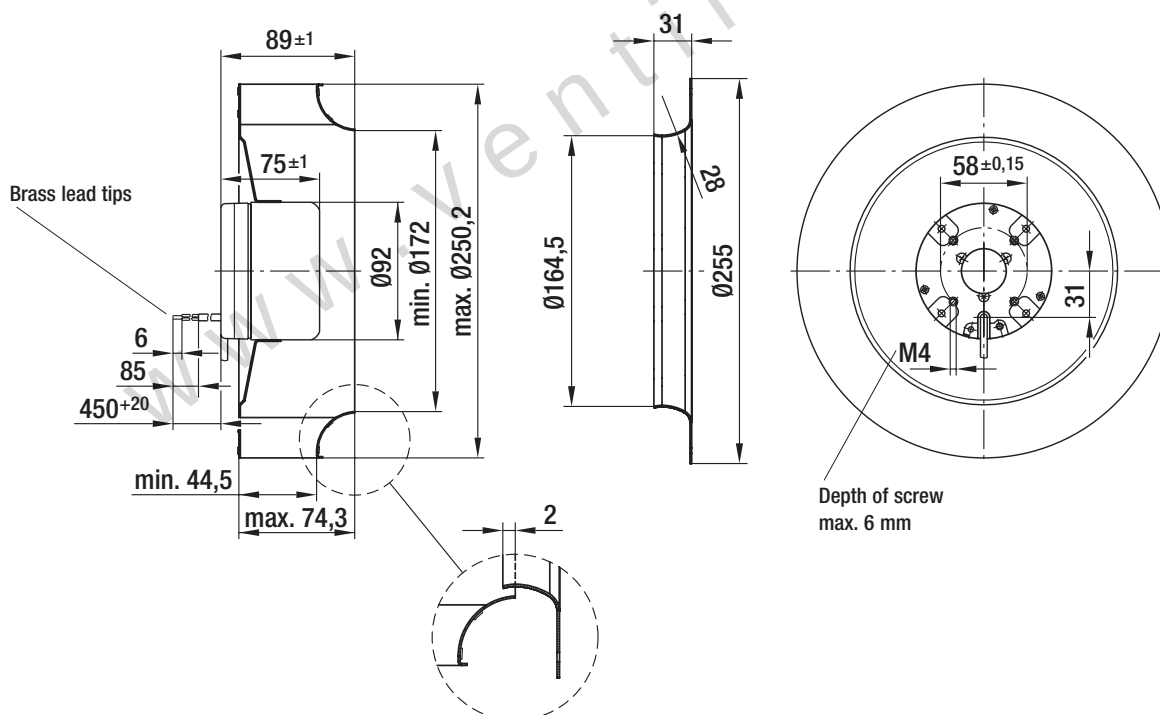
- **Technical features:**
 - Control input 0-10 VDC / PWM
- **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-2
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standard:** EN 60950-1
- **Approvals:** UL, CSA,  (48 VDC) with CCC
- Tach output
- Reverse polarity and locked-rotor protection



Mass of
centrifugal fan



Centrifugal fan	kg	Inlet nozzle (long)
R1G 250-AQ21 -52	2.0	96359-2-4013
R1G 250-AQ37 -52	2.0	96359-2-4013



EC centrifugal fan

backward curved, Ø 250



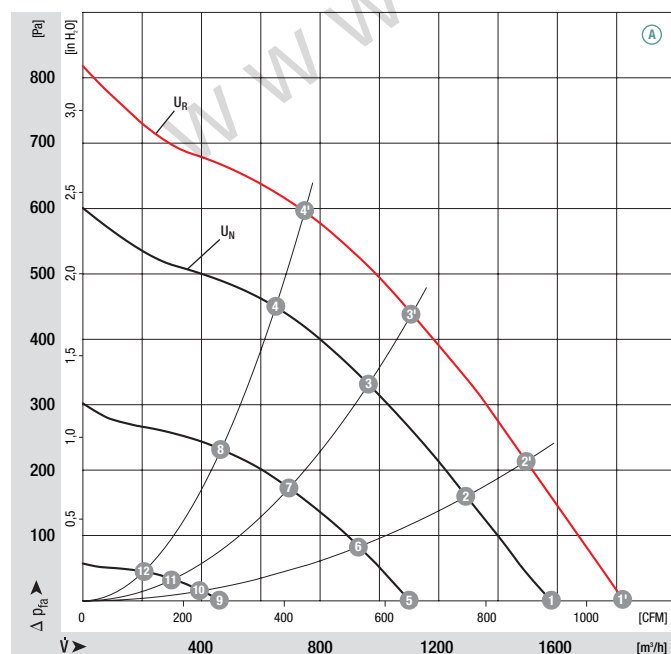
- **Material:** Impeller: Sheet steel
Rotor: Coated in black
- **Number of blades:** 11
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 42
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data

Type	Motor	Curve	Nominal voltage VDC	Voltage range VDC	Air flow m³/h	Speed/rpm	Power input W	Current draw A	Sound pressure level dB(A)	Perm. amb. temp. °C	Electr. connection
R3G 250	M3G 084-CA	A	48	36-57	1580	2645	135	2.80	72	-25 to +60	G)

subject to alterations

Curves



	n [rpm]	P ₁ [W]	L _{pA} [dB(A)]	η _{tL} [%]
A 1'	3055	207	75	—
A 2'	2990	256	70	45
A 3'	2970	274	68	60
A 4'	2980	270	71	55
A 1	2645	135	72	—
A 2	2600	166	67	45
A 3	2580	182	64	60
A 4	2590	177	66	55
A 5	1900	56	66	—
A 6	1875	69	59	45
A 7	1870	73	56	60
A 8	1870	72	58	55
A 9	835	9	48	—
A 10	830	10	44	45
A 11	830	11	43	60
A 12	830	10	35	55

- **Technical features:**
 - Control input 0-10 VDC / PWM
 - Tach output
- **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-2
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standard:** EN 60950-1
- **Approvals:** UL, CSA, CCC
- Over-temperature protected motor
- Reverse polarity and locked-rotor protection



Mass of
centrifugal fan



Centrifugal fan

kg

Inlet nozzle
(long)

R3G 250-AD62 -30

3.0

96359-2-4013

