

EC centrifugal fan

backward curved, 3-D, Ø 400



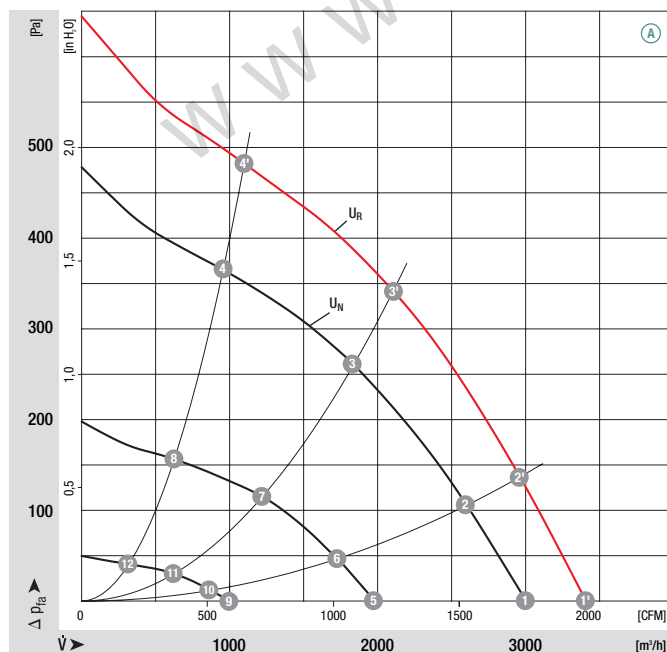
- **Material:** Impeller: Sheet aluminium, joined by tabs
Rotor: Coated in black
- **Number of blades:** 6
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 42
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** 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 400	M3G 084-FA	A	48	36-57	3000	1290	200	4.20	65	-25 to +60	p. 600

subject to alterations

Curves



	n [rpm]	P ₁ [W]	L _{pA} [dB(A)]	η _{HL} [%]
A 1'	1480	307	69	—
A 2'	1450	340	68	44
A 3'	1440	353	62	68
A 4'	1480	309	67	55
A 1	1290	200	65	—
A 2	1270	224	64	44
A 3	1260	234	59	68
A 4	1285	204	62	55
A 5	850	59	56	—
A 6	840	67	54	44
A 7	835	71	51	68
A 8	850	62	53	55
A 9	435	11	43	—
A 10	435	12	41	44
A 11	430	13	38	68
A 12	435	12	39	55

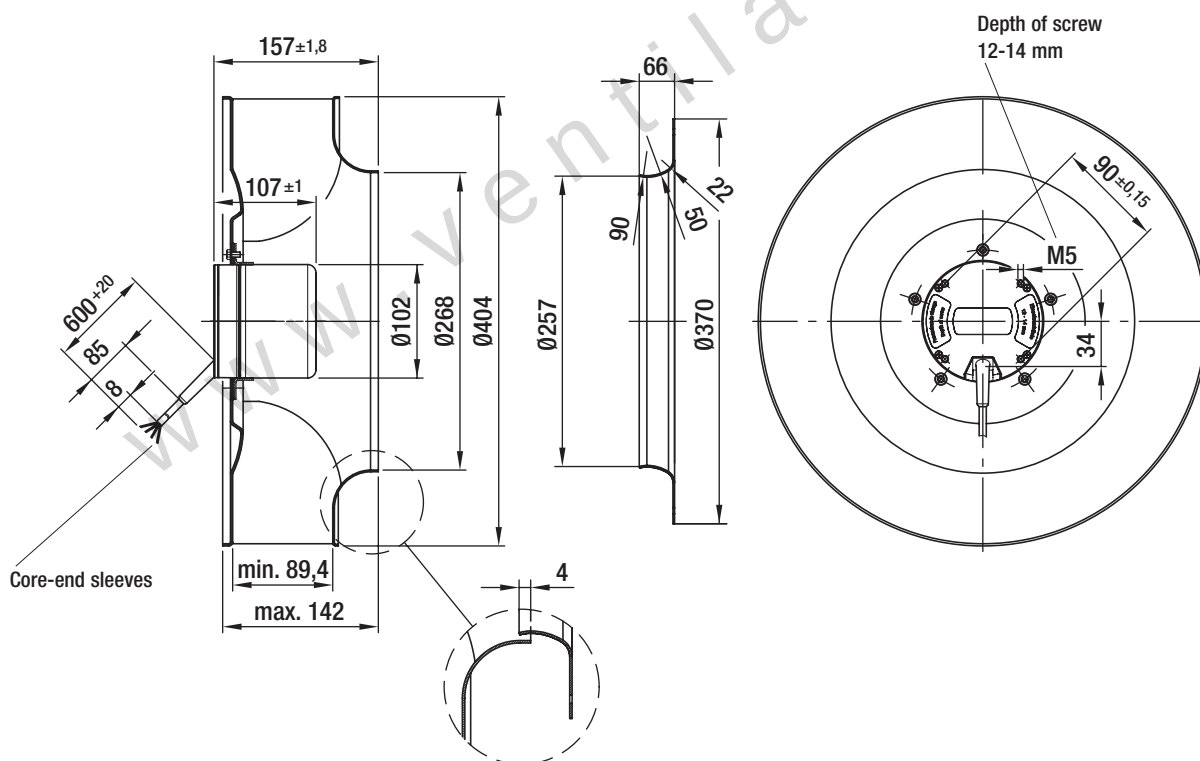
- **Technical features:**
 - Control input 0-10 VDC / PWM
 - Tach output
 - Over-temperature protected motor
 - Reverse polarity and locked-rotor protection
- **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-2
- **Cable exit:** Variable
- **Protection class:**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



Mass of centrifugal fan



Centrifugal fan	kg	Inlet nozzle (long)
R3G 400-AD20 -30	5.0	54476-2-4013



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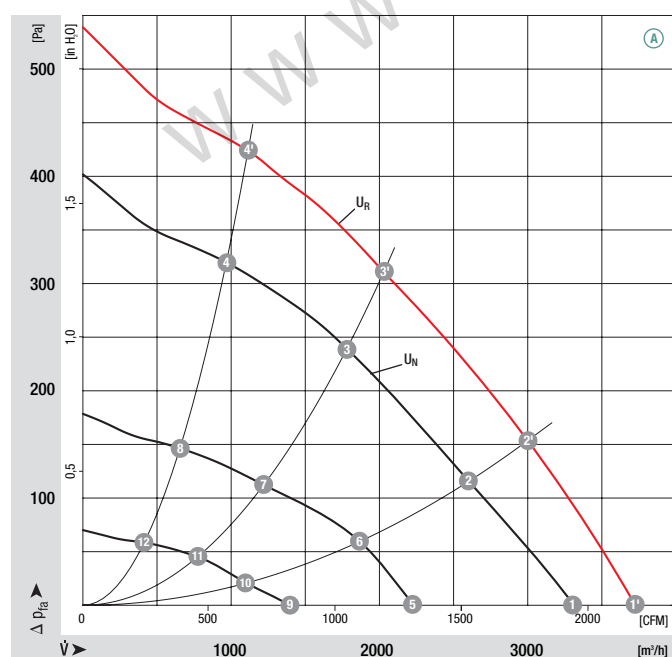
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R3G 400	M3G 084-FA	A	48	36-57	3300	1160	192	3.90	63	-25 to +60	p. 600

subject to alterations

Curves



	n [rpm]	P ₁ [W]	L _{pA} [dB(A)]	η _{tL} [%]
A 1'	1325	287	69	—
A 2'	1300	340	66	43
A 3'	1300	335	64	62
A 4'	1345	268	68	53
A 1	1160	192	63	—
A 2	1140	227	62	43
A 3	1140	210	59	62
A 4	1170	177	63	53
A 5	795	62	57	—
A 6	784	74	56	43
A 7	780	69	56	62
A 8	795	59	56	53
A 9	500	15	49	—
A 10	500	19	48	43
A 11	500	21	48	62
A 12	505	18	49	53

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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



Mass of centrifugal fan



Centrifugal fan	kg	Inlet nozzle (long)
R3G 400-AC13 -30	5.3	54476-2-4013

