

EC centrifugal fan

backward curved, 3-D, Ø 355



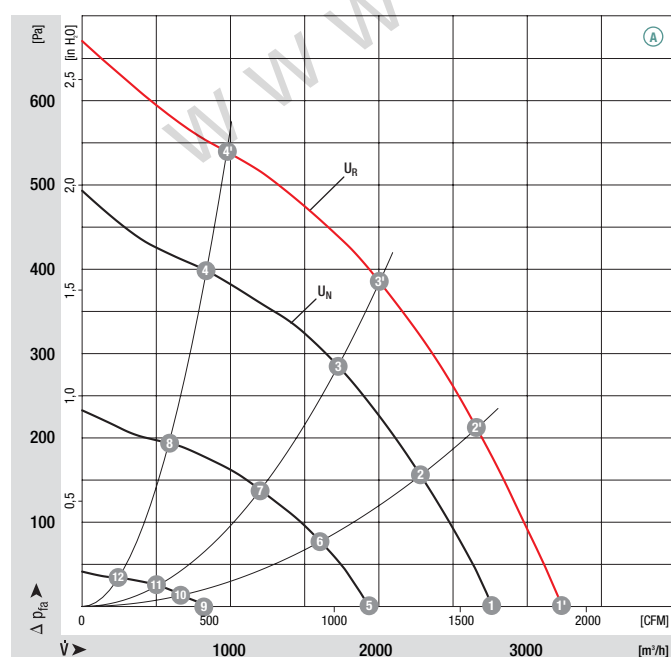
- **Material:** Impeller: Sheet aluminium, laser-welded
Rotor: Coated in black
- **Number of blades:** 6
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 42
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** 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 p. 600
R3G 355	M3G 084-FA	A	48	36-57	2790	1560	178	3.70	69	-25 to +60	G)

subject to alterations

Curves (established with long inlet nozzle)



	n [rpm]	P ₁ [W]	L _{pA} [dB(A)]	η _{tL} [%]
A 1'	1800	272	73	—
A 2'	1740	333	67	53
A 3'	1725	355	67	65
A 4'	1770	307	70	49
A 1	1560	178	69	—
A 2	1515	220	63	53
A 3	1500	236	63	65
A 4	1530	208	65	49
A 5	1088	64	60	—
A 6	1065	79	56	53
A 7	1055	85	54	65
A 8	1070	75	56	49
A 9	470	9	44	—
A 10	450	10	42	53
A 11	450	11	40	65
A 12	455	10	40	49

- **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)

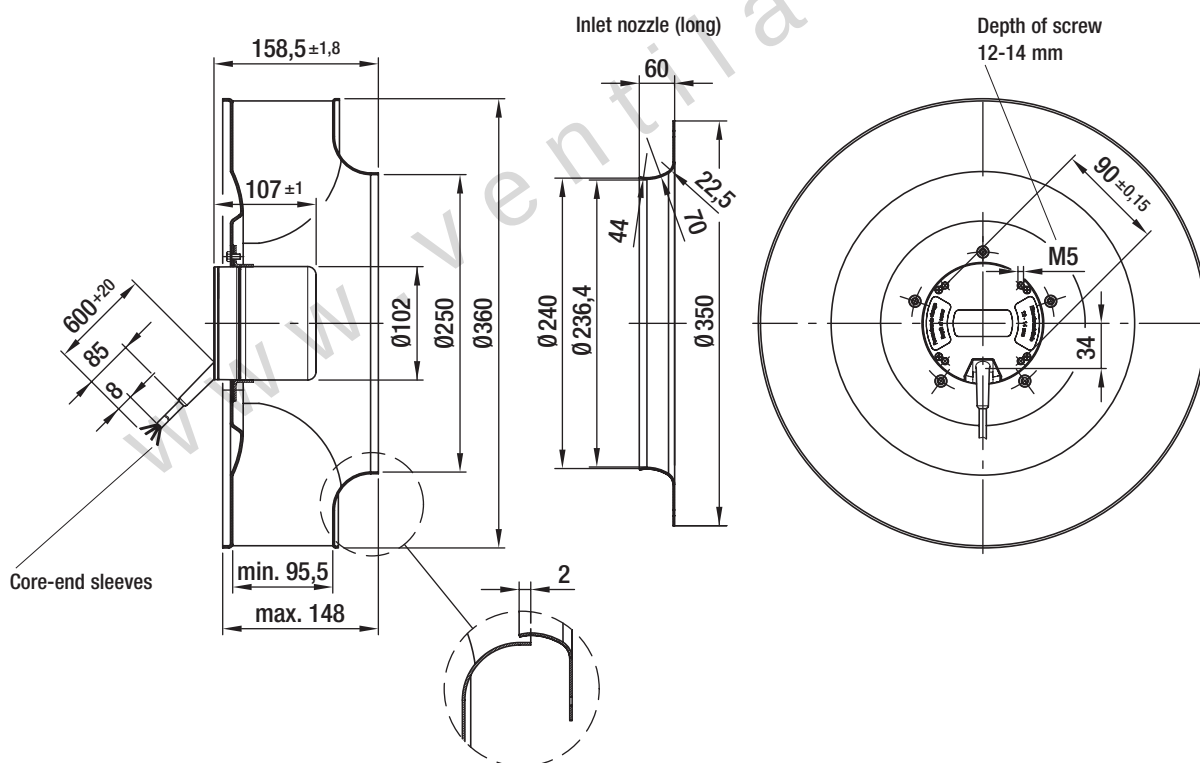
Inlet nozzle
(short)

R3G 355-AM08-30

4.6

35560-2-4013

35561-2-4013



EC centrifugal fan

backward curved, 3-D, Ø 355



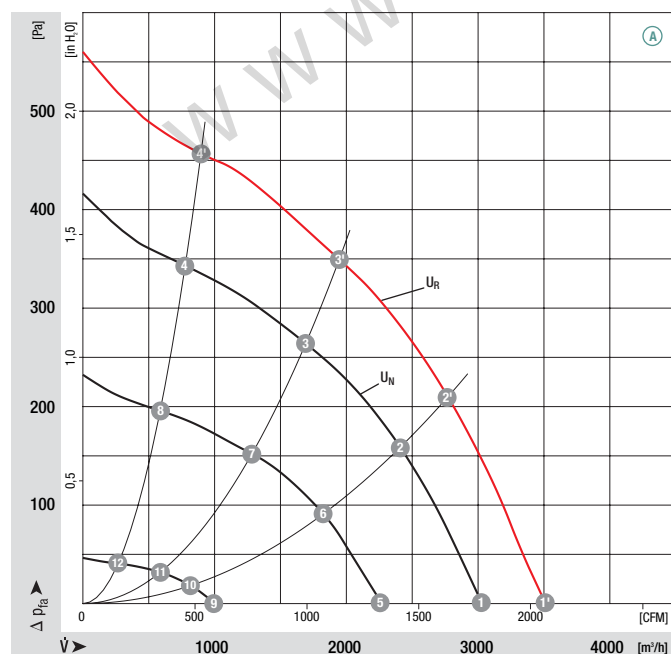
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Type	Motor	Curve	Nominal voltage VDC	Voltage range VDC	Air flow m³/h	Speed/rpm	Power input W	Current draw A	Sound pressure level dB(A)	Perm. amb. temp. °C	Electr. connection
R3G 355	M3G 084-FA	A	48	36-57	3030	1410	168	3.50	66	-25 to +60	p. 600

subject to alterations

Curves (established with long inlet nozzle)



	n [rpm]	P ₁ [W]	L _{pA} [dB(A)]	η _{tL} [%]
A 1'	1630	257	70	—
A 2'	1575	317	64	62
A 3'	1570	321	63	66
A 4'	1610	270	67	47
A 1	1410	168	66	—
A 2	1370	207	60	62
A 3	1365	212	59	66
A 4	1400	177	63	47
A 5	1065	75	58	—
A 6	1045	93	55	62
A 7	1040	96	55	66
A 8	1060	79	56	47
A 9	485	11	37	—
A 10	480	12	35	62
A 11	480	13	34	66
A 12	480	11	35	47

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 - Tach output
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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
- Over-temperature protected motor
- Reverse polarity and locked-rotor protection



Mass of centrifugal fan



Centrifugal fan

kg

Inlet nozzle (long)

Inlet nozzle (short)

R3G 355-AN18 -30

4.8

35560-2-4013

35561-2-4013

