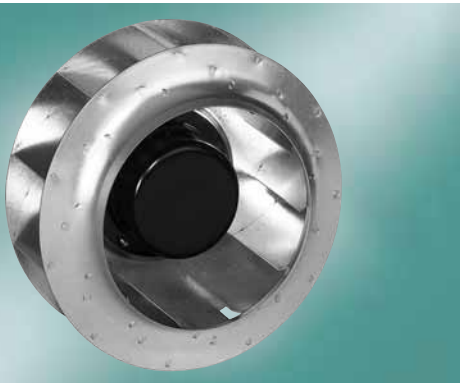


EC centrifugal fans

backward curved, Ø 280



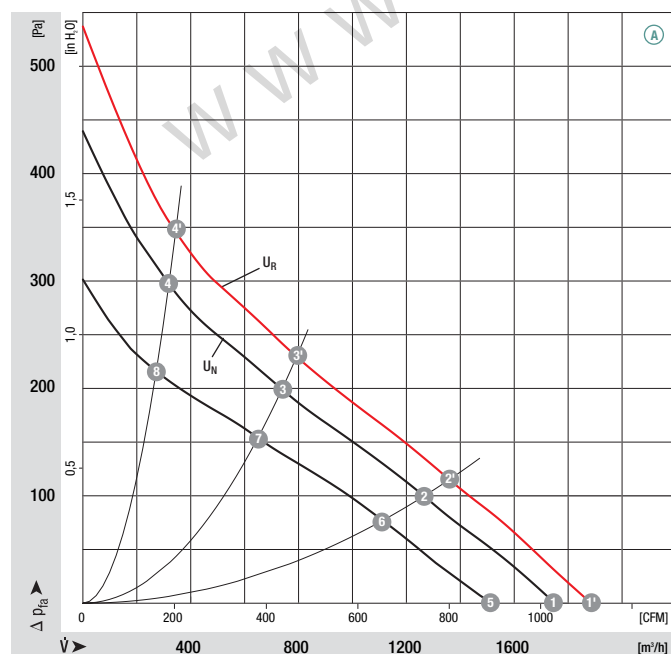
- **Material:** Impeller: Sheet steel
Rotor: Coated in black
- **Number of blades:** 11
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 42
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous 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 p. 600
R1G 280	M1G 074-CF	A	24	16-28	1750	1710	95	4.60	71	-25 to +60	G)
R1G 280	M1G 074-CF	A	48	36-57	1750	1710	95	2.30	71	-25 to +60	G)

subject to alterations

Curves



	n [rpm]	P ₁ [W]	L _{pA} [dB(A)]	η _{HL} [%]
A 1'	1840	118	72	—
A 2'	1650	127	64	55
A 3'	1670	126	62	55
A 4'	1950	114	67	31
A 1	1710	95	71	—
A 2	1550	100	63	55
A 3	1560	100	59	55
A 4	1810	91	64	31
A 5	1470	60	67	—
A 6	1360	68	60	55
A 7	1370	67	55	55
A 8	1530	56	59	31

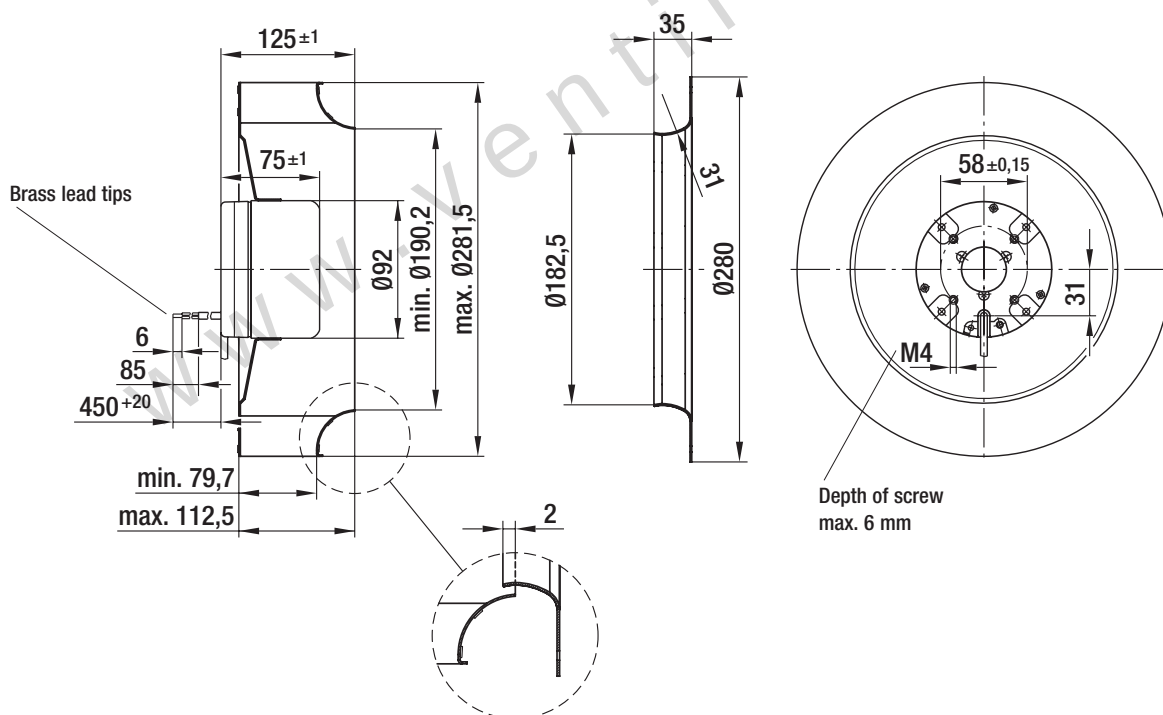
- **Technical features:**
 - Control input 0-10 VDC / PWM
 - Tach output
 - Reverse polarity and locked-rotor protection
- **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-2
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standard:**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



Mass of centrifugal fan

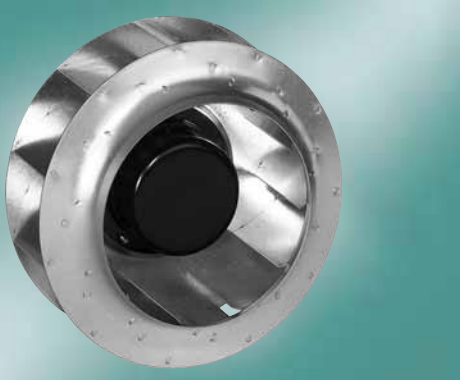


Centrifugal fan	kg	Inlet nozzle (long)
R1G 280-AE45 -52	2.8	96360-2-4013
R1G 280-AE47 -52	2.8	96360-2-4013



EC centrifugal fan

backward curved, Ø 280



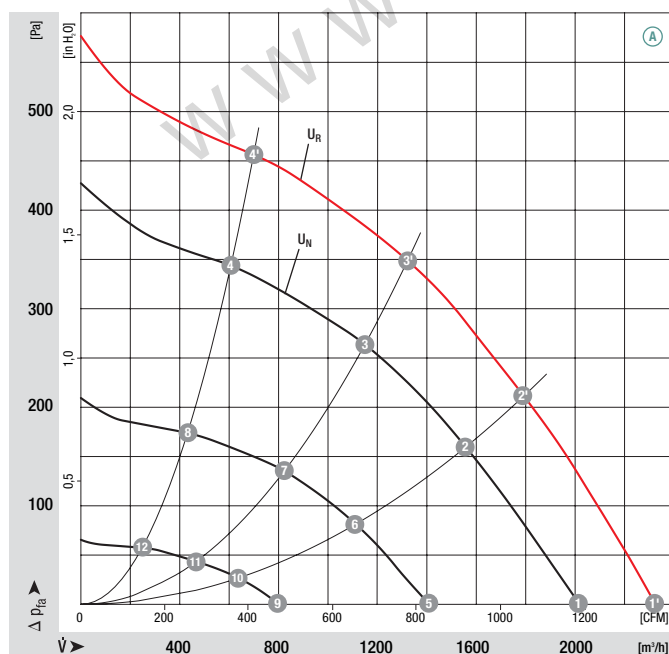
- **Material:** Impeller: Sheet steel
Rotor: Coated in black
- **Number of blades:** 11
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 42
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous 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 p. 600
R3G 280	M3G 084-CA	A	48	36-57	2020	1965	123	2.60	70	-25 to +60	G)

subject to alterations

Curves



	n [rpm]	P ₁ [W]	L _{pA} [dB(A)]	η _{tL} [%]
A 1'	2265	187	72	—
A 2'	2185	243	68	53
A 3'	2165	258	65	60
A 4'	2230	213	69	50
A 1	1965	123	70	—
A 2	1905	160	65	53
A 3	1885	171	61	60
A 4	1940	140	66	50
A 5	1390	46	63	—
A 6	1365	61	58	53
A 7	1360	65	53	60
A 8	1380	53	55	50
A 9	800	12	53	—
A 10	790	15	48	53
A 11	785	15	42	60
A 12	795	13	41	50

- **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
- Over-temperature protected motor
- Reverse polarity and locked-rotor protection



Mass of
centrifugal fan



Centrifugal fan

kg

Inlet nozzle
(long)

R3G 280-AC66 -30

3.3

96360-2-4013

