

EC centrifugal fan

backward curved, Ø 280



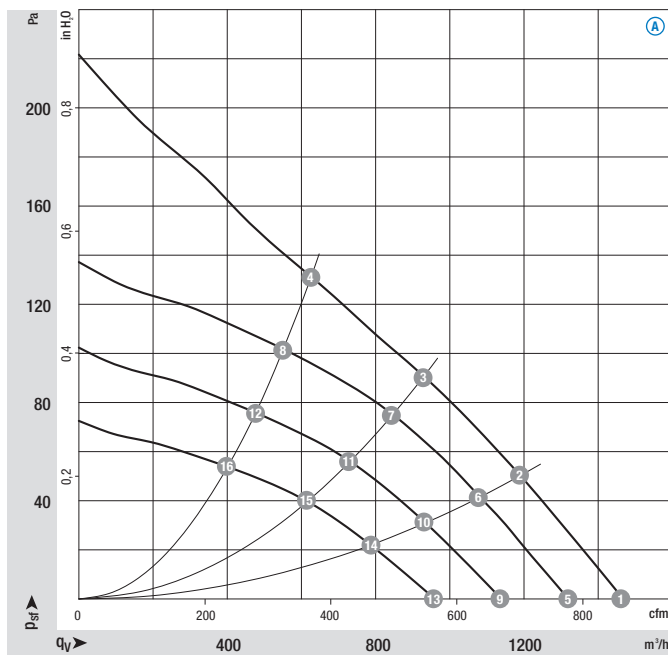
- **Material:** Impeller: Plastic PA 6, fibreglass-reinforced
Rotor: Thick layer passivated
Electronics housing: Die-cast aluminium
- **Number of blades:** 9
- **Direction of rotation:** Counter-clockwise, seen on rotor
- **Type of protection:** IP 54
- **Insulation class:** "B"
- **Mounting position:** 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. 32	
R3G 280	M3G 055-DF	Ⓐ	1~ 200-240	50/60	1220	74	0,64	-25..+60	H4)

subject to alterations

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

Curves



Air performance measured as per: ISO 5801, Installation category A, in ebm-papst full nozzle and 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 36 ff.

	n rpm	P _e W	I A	L _{wA} dB(A)
Ⓐ 1	1225	70	0,61	63
Ⓐ 2	1220	72	0,64	60
Ⓐ 3	1220	74	0,64	60
Ⓐ 4	1250	66	0,58	62
Ⓐ 5	1100	51	0,44	61
Ⓐ 6	1100	54	0,48	58
Ⓐ 7	1100	55	0,48	57
Ⓐ 8	1100	45	0,40	59
Ⓐ 9	950	33	0,28	58
Ⓐ 10	950	35	0,31	54
Ⓐ 11	950	35	0,31	54
Ⓐ 12	950	29	0,26	56
Ⓐ 13	800	19	0,17	54
Ⓐ 14	800	21	0,18	51
Ⓐ 15	800	21	0,18	51
Ⓐ 16	800	17	0,15	52

- **Technical features:**
 - Control input 0-10 VDC / PWM
 - Output 10 VDC max. 1,1 mA
 - Over-temperature protected electronics / motor
- **Motor protection:** Locked-rotor protection
- **EMC:** Interference emission acc. to EN 61000-6-3 (household environment)
Interference immunity acc. to EN 61000-6-2 (industrial environment)
Harmonics acc. to EN 61000-3-2/3
- **Leakage current:** $\leq 3,5$ mA acc. to EN 60335-1
- **Cable exit:** variable
- **Protection class:** I
- **Product conforming to standards:** EN 60335-1
- **Approvals:** VDE, CUL, GOST are applied for

- Tach output
- Line undervoltage detection
- Soft start



Mass

Centrifugal fan

kg

R3G 280-AP03 -03

2,5

