

EC centrifugal fans

backward curved, 3-D, Ø 310



- **Material:** sheet aluminium, laser welded
- **Cable exit:** variable
- **Technical features:** control input 0-10 VDC / PWM, tach output, 10 V voltage output for potentiometer
- **Direction of rotation:** clockwise, seen on rotor
- **Type of protection:** IP 44
- **Mounting position / condensate discharges:** shaft horizontal or rotor on top, without condensate discharge(s); mounting position rotor at bottom upon request
- **Approvals:** UL, CSA, VDE, CE, CCC and GOST are applied for
- **Inlet ring:** data collected via long nozzle

ebm-papst • Muldingen

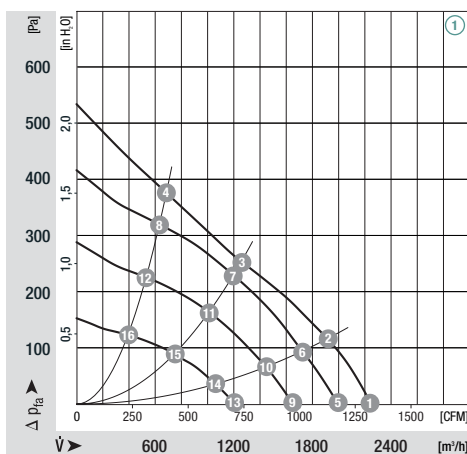
Nominal data ⁽¹⁾		Characteristic	Nominal voltage range	Frequency	Air flow	Speed/rpm	Power input	Current draw	Sound pressure level	Perm. amb. temp.	Mass
Type	Motor	VAC	Hz	m³/h	min⁻¹	W	A	dB(A)	°C	kg	
R3G 310-A052 -01	M3G074-CF	①	200-277	50/60	2250	1865	134	1,00	67	-25..+60	3,1
R3G 310-AP52 -01	M3G074-CF	②	200-277	50/60	2580	1720	162	1,20	65	-25..+60	3,2

subject to alterations ⁽¹⁾ at 230 VAC

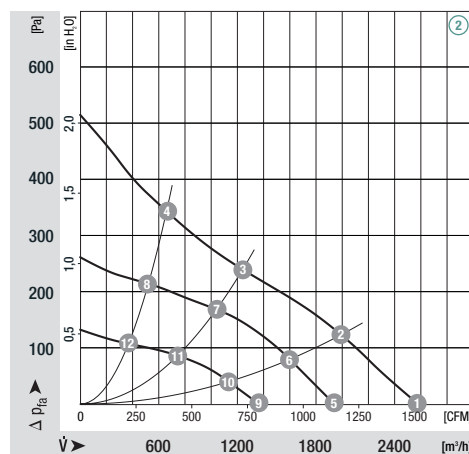
	n [min⁻¹]	P ₁ [W]	I [A]	Lp _A [dBA]	η _{HL} [%]
① ①	1865	134	1,0	67	---
① ②	1790	168	1,2	65	61
① ③	1665	166	1,2	59	71
① ④	1750	161	1,2	62	55
① ⑤	1670	100	0,8	64	---
① ⑥	1615	128	1,0	61	60
① ⑦	1590	139	1,0	55	71
① ⑧	1610	134	1,0	60	53
① ⑨	1400	60	0,5	59	---
① ⑩	1360	76	0,6	57	60
① ⑪	1340	85	0,7	54	73
① ⑫	1355	81	0,7	56	54
① ⑬	1030	28	0,3	51	---
① ⑭	1010	35	0,3	49	59
① ⑮	990	40	0,3	45	72
① ⑯	1000	38	0,3	47	53

	n [min⁻¹]	P ₁ [W]	I [A]	Lp _A [dBA]	η _{HL} [%]
② ①	1720	162	1,2	65	---
② ②	1560	167	1,3	60	59
② ③	1490	165	1,3	58	65
② ④	1620	158	1,2	62	49
② ⑤	1300	73	0,6	56	---
② ⑥	1270	88	0,7	54	59
② ⑦	1250	100	0,8	54	65
② ⑧	1280	84	0,7	56	48
② ⑨	930	29	0,3	48	---
② ⑩	910	37	0,3	45	56
② ⑪	900	40	0,4	45	67
② ⑫	910	34	0,3	46	47

Characteristics



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Dimensions

Type	b	c ₁	c ₂	c ₃	g	Inlet ring short	(long)
R3G 310-A052 -01	110	120	149,5	152,5	69,5	31051-2-4013	(31050-2-4013)
R3G 310-AP52 -01	140	154	183,5	186,5	100,5	31051-2-4013	(31050-2-4013)

