

EC centrifugal fan

backward curved, Ø 225

LUFTBERG wentylatory
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- **Material:** Impeller: PA plastic 6.6, fibreglass-reinforced
Rotor: Galvanised
Electronics enclosure: Die-cast aluminium
- **Number of blades:** 7
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 44
- **Insulation class:** "B"
- **Mounting position:** Shaft horizontal or rotor on top; rotor on bottom on request
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

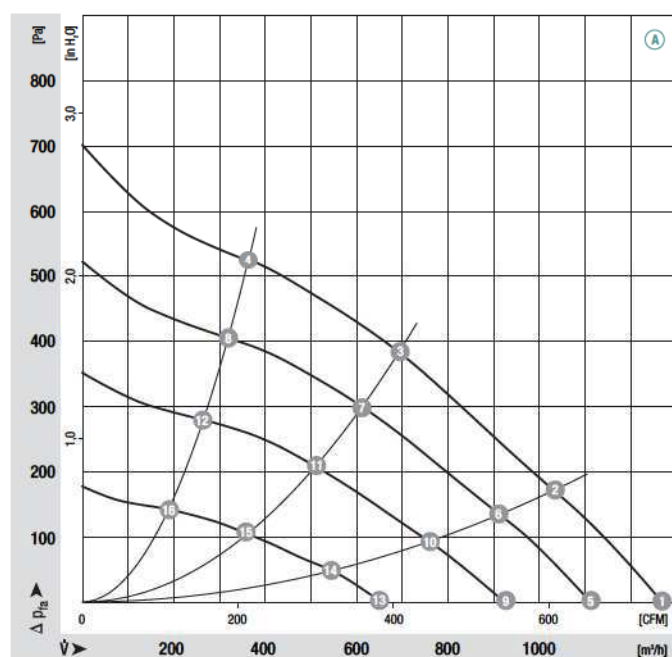
Nominal data

Type	Motor	Curve	Nominal voltage range	Frequency	Speed/rpm	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Perm. amb. temp.	Electr. connection
			VAC	Hz	rpm	W	A	°C	p. 603
R3G 225	M3G 074-CF	Ⓐ	1~ 200-277	50/60	3010	165	1.20	-25 to +60	J1)

subject to alterations

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

Curves



	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]	η _{IL} [%]
Ⓐ 1	3010	139	1.00	71	—
Ⓐ 2	2930	153	1.10	67	43
Ⓐ 3	2900	162	1.20	63	52
Ⓐ 4	2970	148	1.10	68	39
Ⓐ 5	2640	97	0.70	68	—
Ⓐ 6	2600	105	0.80	64	44
Ⓐ 7	2570	116	0.90	60	57
Ⓐ 8	2605	100	0.80	65	43
Ⓐ 9	2190	59	0.50	65	—
Ⓐ 10	2150	67	0.50	61	46
Ⓐ 11	2135	71	0.60	55	56
Ⓐ 12	2160	62	0.50	59	44
Ⓐ 13	1540	27	0.20	61	—
Ⓐ 14	1530	29	0.20	53	43
Ⓐ 15	1520	31	0.30	47	55
Ⓐ 16	1530	28	0.20	50	42

- **Technical features:**
 - PFC (passive)
 - Control input 0-10 VDC / PWM
- **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-1
Harmonics acc. to DIN EN 61000-3-2/3
- **Leakage current:** < 3.5 mA acc. to EN 60950-1
- **Cable exit:** Variable
- **Protection class:** I
- **Product conforming to standards:** EN 60335-1, EN 61800-5-1, EN 60950-1, CE
- **Approvals:** UL, CSA, CCC, GOST are applied for
- Output 10 VDC max. 1.1 mA
- Tach output
- Over-temperature protected electronics / motor



Mass of
centrifugal fan



Centrifugal fan	kg	Inlet nozzle (long)
R3G 225-AH54 -01	2.3	96358-2-4013

