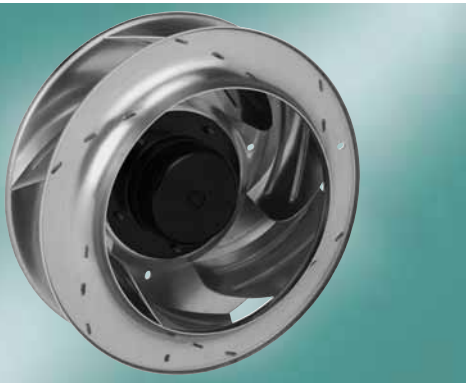


EC centrifugal fan

backward curved, 3-D, Ø 310



- **Material:** Impeller: Sheet aluminium, laser-welded
Rotor: Galvanised
Electronics enclosure: Die-cast aluminium
- **Number of blades:** 6
- **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

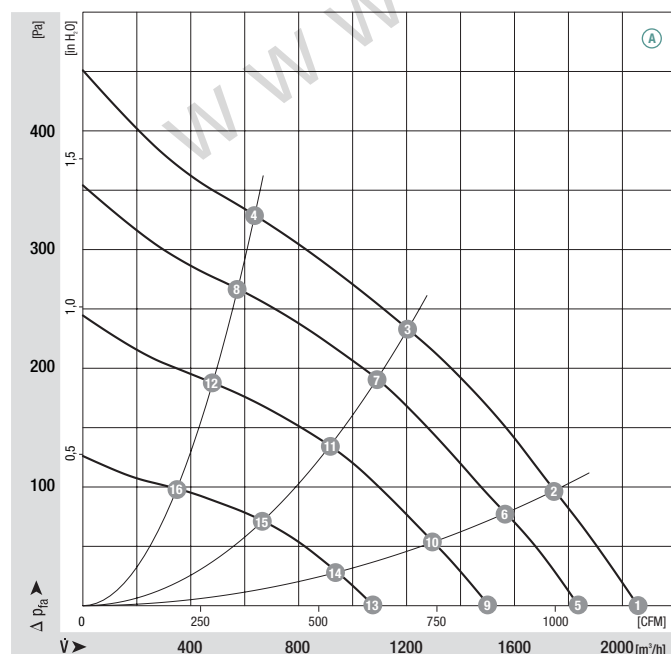
Nominal data

Type	Motor	VAC	Hz	rpm	W	A	°C	p. 603
R3G 310	M3G 074-CF	Ⓐ 1~ 100-130	50/60	1700	160	2.10	-25 to +60	J1)

subject to alterations

(1) Nominal data in operating point with maximum load and 115 VAC

Curves (established with long inlet nozzle)



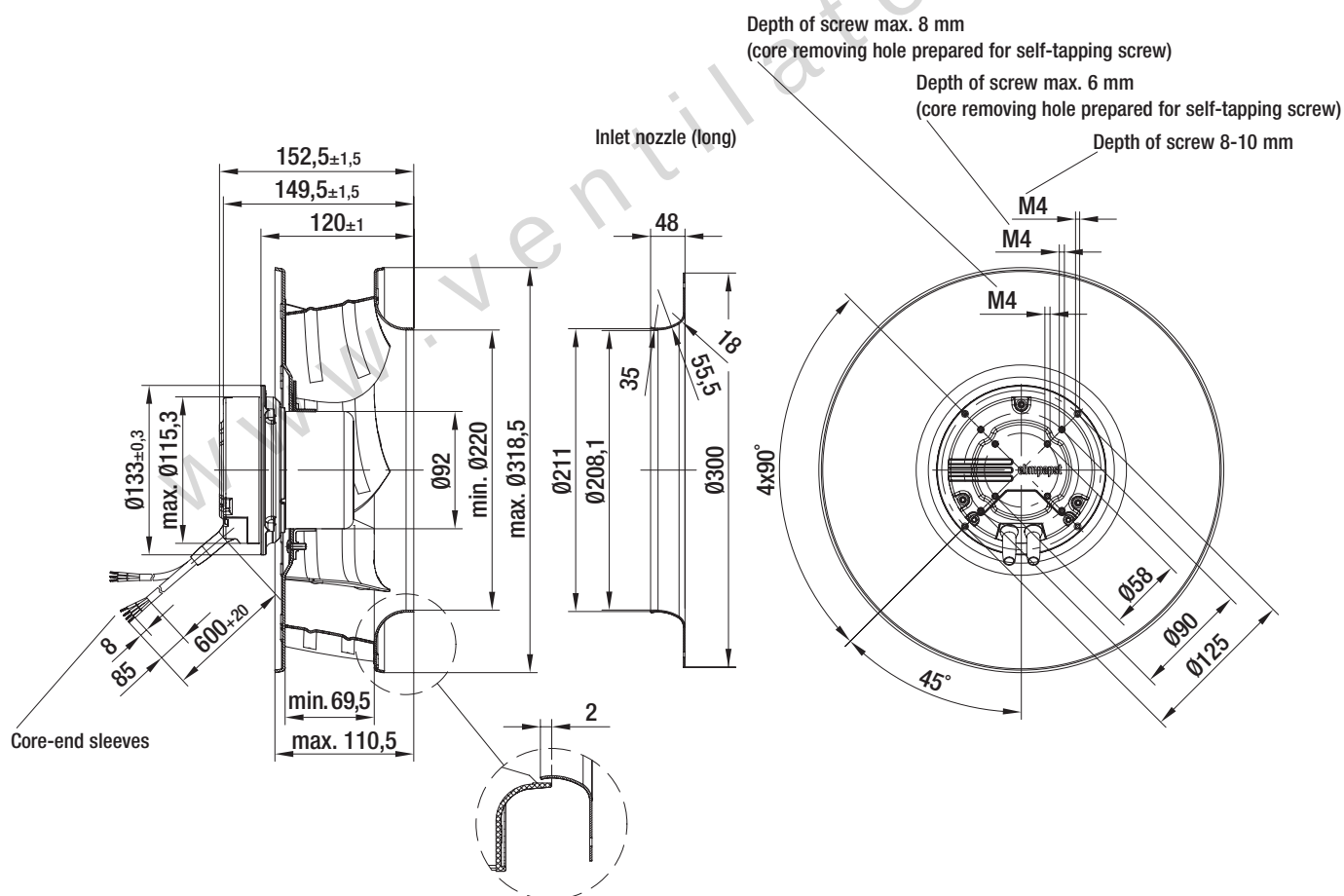
	n [rpm]	P ₁ [W]	I [A]	L _{pA} [dB(A)]	η _{IL} [%]
Ⓐ 1	1700	111	1.50	65	—
Ⓐ 2	1640	133	1.70	62	64
Ⓐ 3	1600	152	1.90	58	75
Ⓐ 4	1630	140	1.80	60	55
Ⓐ 5	1530	80	1.10	62	—
Ⓐ 6	1480	98	1.30	60	63
Ⓐ 7	1450	110	1.50	55	75
Ⓐ 8	1470	103	1.40	58	58
Ⓐ 9	1270	50	0.70	58	—
Ⓐ 10	1240	61	0.80	55	57
Ⓐ 11	1220	68	0.90	52	73
Ⓐ 12	1230	64	0.90	53	54
Ⓐ 13	920	22	0.40	49	—
Ⓐ 14	900	26	0.40	46	49
Ⓐ 15	890	30	0.50	43	64
Ⓐ 16	900	28	0.40	45	48

- **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



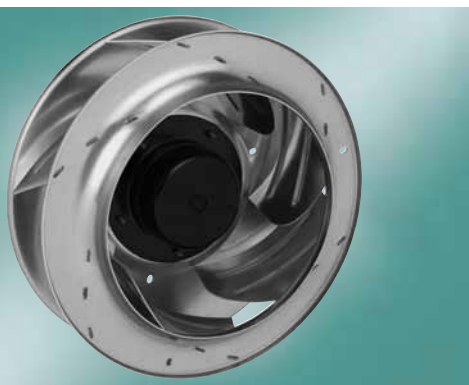
Mass of centrifugal fan

Centrifugal fan	kg	Inlet nozzle (long)	Inlet nozzle (short)
R3G 310-A075 -01	3.1	31050-2-4013	31051-2-4013



EC centrifugal fan

backward curved, 3-D, Ø 310



- **Material:** Impeller: Sheet aluminium, laser-welded
Rotor: Galvanised
Electronics enclosure: Die-cast aluminium
- **Number of blades:** 6
- **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

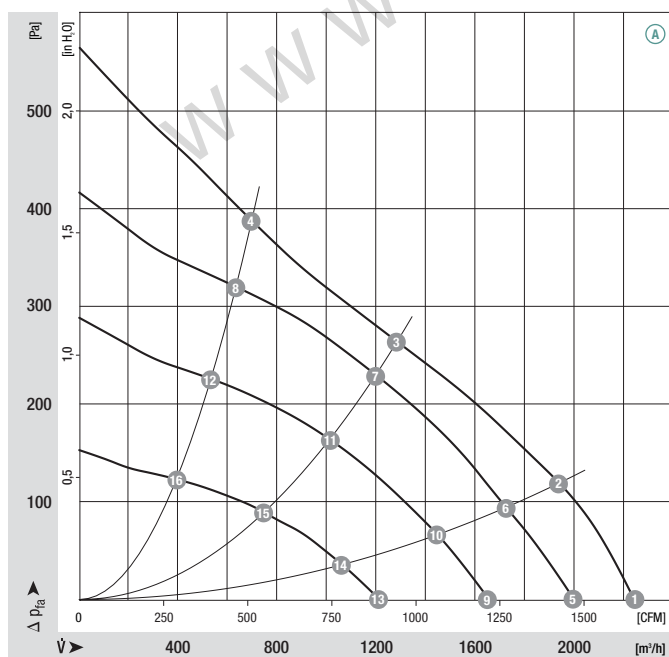
Nominal data

Type	Motor	VAC	Hz	rpm	W	A	°C	p. 603
R3G 310	M3G 074-CF	Ⓐ 1~ 200-277	50/60	1925	173	1.30	-25 to +60	J1)

subject to alterations

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

Curves (established with long inlet nozzle)



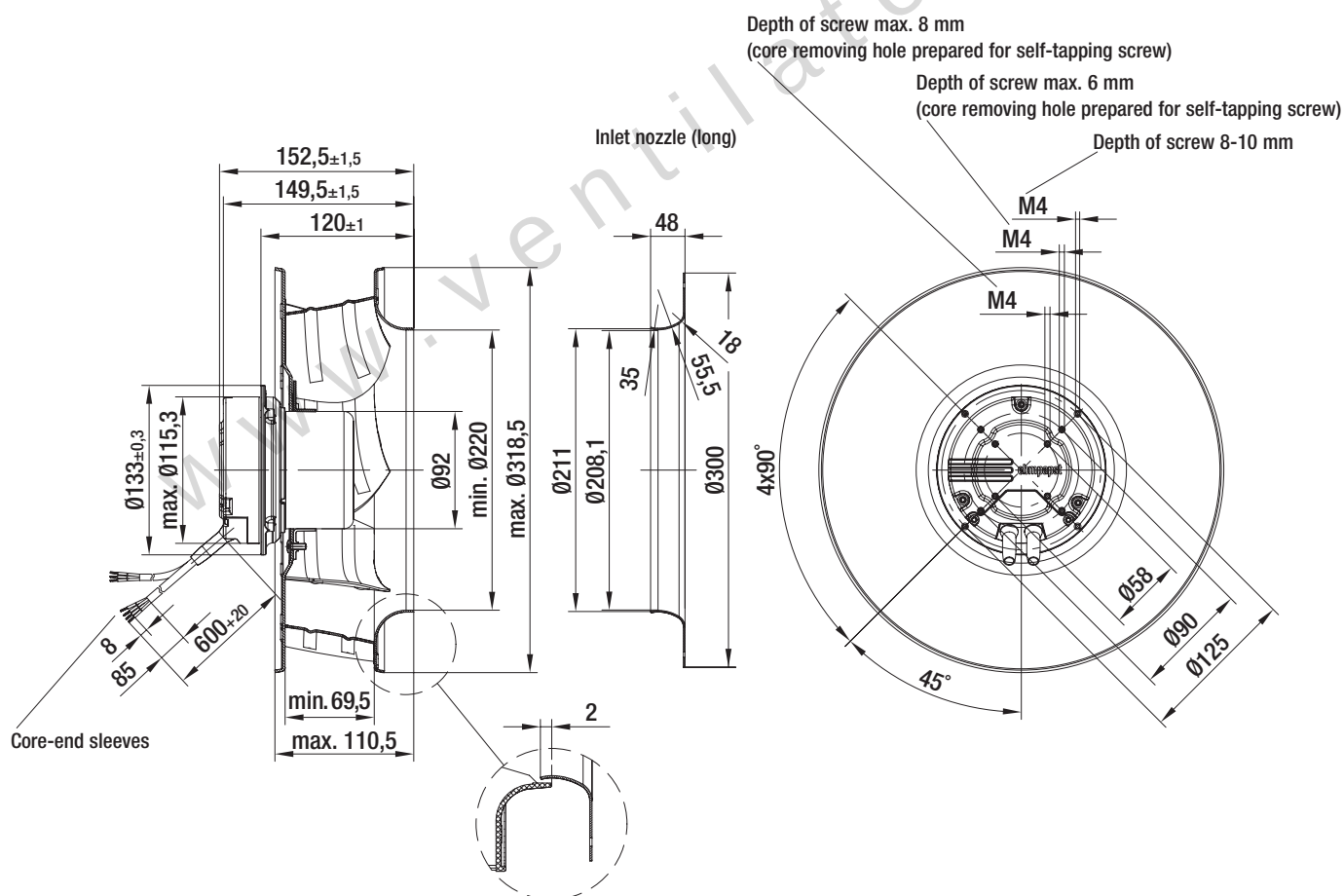
	n [rpm]	P ₁ [W]	I [A]	L _{pA} [dB(A)]	η _{IL} [%]
Ⓐ 1	1925	150	1.10	67	—
Ⓐ 2	1840	174	1.20	65	61
Ⓐ 3	1700	172	1.20	59	71
Ⓐ 4	1790	174	1.20	62	55
Ⓐ 5	1670	100	0.80	64	—
Ⓐ 6	1615	128	1.00	61	60
Ⓐ 7	1590	139	1.00	55	71
Ⓐ 8	1610	134	1.00	60	53
Ⓐ 9	1400	60	0.50	59	—
Ⓐ 10	1360	76	0.60	57	60
Ⓐ 11	1340	85	0.70	54	73
Ⓐ 12	1355	81	0.70	56	54
Ⓐ 13	1030	28	0.30	51	—
Ⓐ 14	1010	35	0.30	49	59
Ⓐ 15	990	40	0.30	45	72
Ⓐ 16	1000	38	0.30	47	53

- **Technical features:**
 - PFC (passive)
 - Control input 0-10 VDC / PWM
 - Output 10 VDC max. 1.1 mA
 - Tach output
 - Over-temperature protected electronics / motor
- **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



Mass of centrifugal fan

Centrifugal fan	kg	Inlet nozzle (long)	Inlet nozzle (short)
R3G 310-A052 -01	3.1	31050-2-4013	31051-2-4013



EC centrifugal fan

backward curved, 3-D, Ø 310



- **Material:** Impeller: Sheet aluminium, laser-welded
Rotor: Galvanised
Electronics enclosure: Die-cast aluminium
- **Number of blades:** 6
- **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

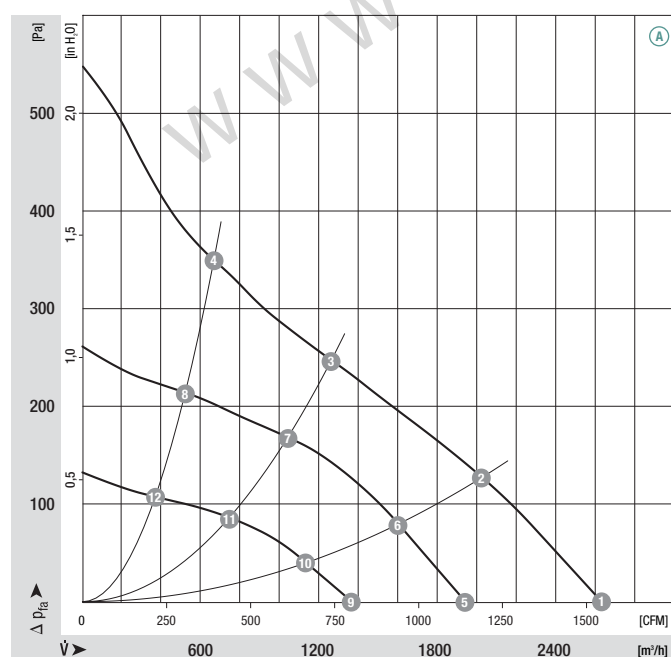
Nominal data

Type	Motor	Curve	Nominal voltage range	Frequency	Speed/rpm	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Perm. amb. temp.	Electr. connection
R3G 310	M3G 074-CF	Ⓐ	1~ 200-277	50/60	1770	175	1.30	-25 to +60	p. 603

subject to alterations

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

Curves (established with long inlet nozzle)



	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]	η _{IL} [%]
Ⓐ 1	1770	170	1.25	65	—
Ⓐ 2	1570	170	1.30	60	59
Ⓐ 3	1510	167	1.30	58	65
Ⓐ 4	1630	169	1.20	62	49
Ⓐ 5	1300	73	0.60	56	—
Ⓐ 6	1270	88	0.70	54	59
Ⓐ 7	1250	100	0.80	54	65
Ⓐ 8	1280	84	0.70	56	48
Ⓐ 9	930	29	0.30	48	—
Ⓐ 10	910	37	0.30	45	56
Ⓐ 11	900	40	0.35	45	67
Ⓐ 12	910	34	0.30	46	47

- **Technical features:**
 - PFC (passive)
 - Control input 0-10 VDC / PWM
 - Output 10 VDC max. 1.1 mA
 - Tach output
 - Over-temperature protected electronics / motor
- **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



Mass of centrifugal fan

Centrifugal fan	kg	Inlet nozzle (long)	Inlet nozzle (short)
R3G 310-AP52 -01	3.2	31050-2-4013	31051-2-4013

