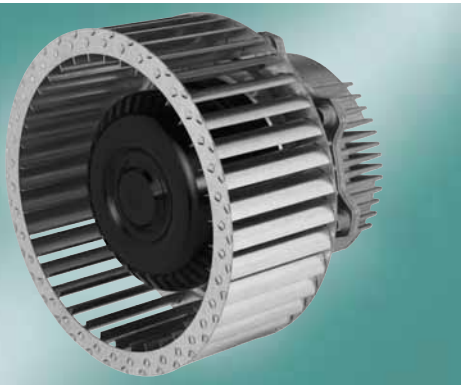


EC centrifugal fan

single inlet, Ø 310



- **Material:** Impeller: Galvanised sheet steel
Rotor: Coated in black
Electronics enclosure: Die-cast aluminium
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54 (acc. to EN 60529)
- **Insulation class:** "F"
- **Mounting position:** Shaft horizontal or rotor on bottom; rotor on top on request
- **Condensate discharges:** Rotor-side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

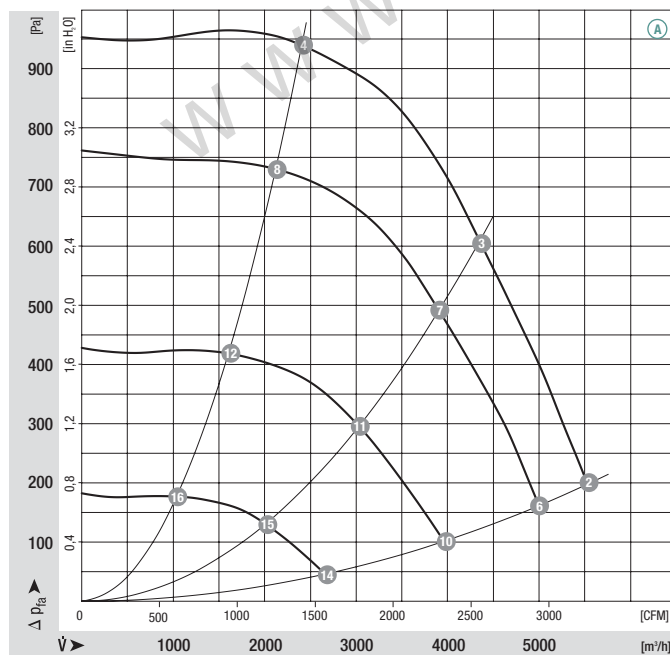
Nominal data

Type	Motor	Curve	Nominal voltage range	Frequency	Speed/rpm	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Min. back pressure	Perm. amb. temp.	Electr. connection
			VAC	Hz	rpm	kW	A	Pa	°C	p. 608
R3G 310	M3G 150-FF	A	3~ 380-480	50/60	1500	2.97	4.60	200	-25 to +45	M)

subject to alterations

(1) Nominal data in operating point with maximum load and 400 VAC

Curves



	n [rpm]	P ₁ [kW]	I [A]	L _{pA} [dB(A)]	η _{HL} [%]
A 1	—	—	—	—	—
A 2	1500	2.97	4.60	88	47
A 3	1600	2.34	3.70	85	57
A 4	1730	1.37	2.10	82	56
A 5	—	—	—	—	—
A 6	1350	2.19	3.30	85	47
A 7	1440	1.71	2.60	82	57
A 8	1540	0.96	1.60	79	56
A 9	—	—	—	—	—
A 10	1080	1.12	1.80	80	47
A 11	1120	0.82	1.40	76	57
A 12	1170	0.47	1.00	72	56
A 13	—	—	—	—	—
A 14	730	0.37	0.90	69	47
A 15	750	0.27	0.70	65	57
A 16	780	0.16	0.50	60	56

- **Technical features:**
 - PFC (passive)
 - Integrated PID controller
 - Control input 0-10 VDC / PWM
 - Input for sensor 0-10 V or 4-20 mA
 - **EMC:** Interference emission acc. to EN 61000-6-3
Interference immunity acc. to EN 61000-6-2
Harmonics acc. to DIN EN 61000-3-2/3
 - **Leakage current:** < 3.5 mA acc. to EN 61800-5-1
 - **Connection leads:** Via terminal strip
 - **Protection class:** I (acc. to EN 61800-5-1)
 - **Product conforming to standard:** CE
 - **Approvals:** VDE, UL, CSA, GOST
- Slave output 0-10 V max. 3 mA
 - Output 20 VDC ($\pm 20\%$) max. 50 mA
 - Output 10 VDC ($+10\%$) max. 10 mA
 - RS485 ebus
 - Alarm relay
- Line undervoltage / phase failure detection
 - Motor current limitation
 - Electronics / motor overtemperature protection
 - Locked-rotor protection
 - Soft start



Mass of centrifugal fan



Centrifugal fan

kg

Inlet nozzle

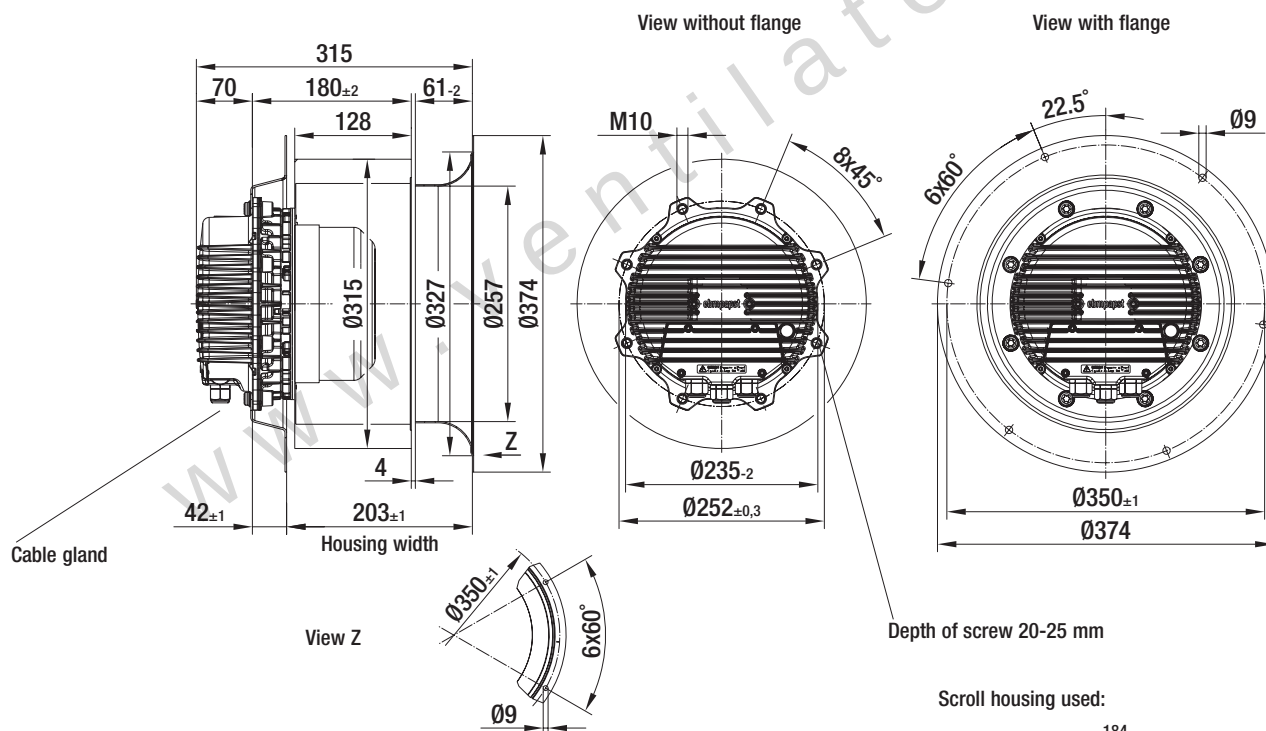
Flange

R3G 310-AU07 -03

19.4

31010-2-4013

10050-2-4017



Cable gland

View Z

Housing width

View without flange

View with flange

Depth of screw 20-25 mm

Scroll housing used: