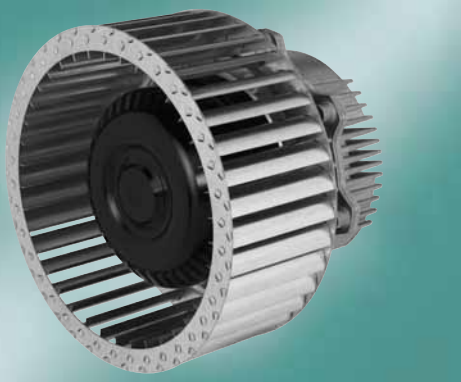


EC centrifugal fan

single inlet, Ø 355



- **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

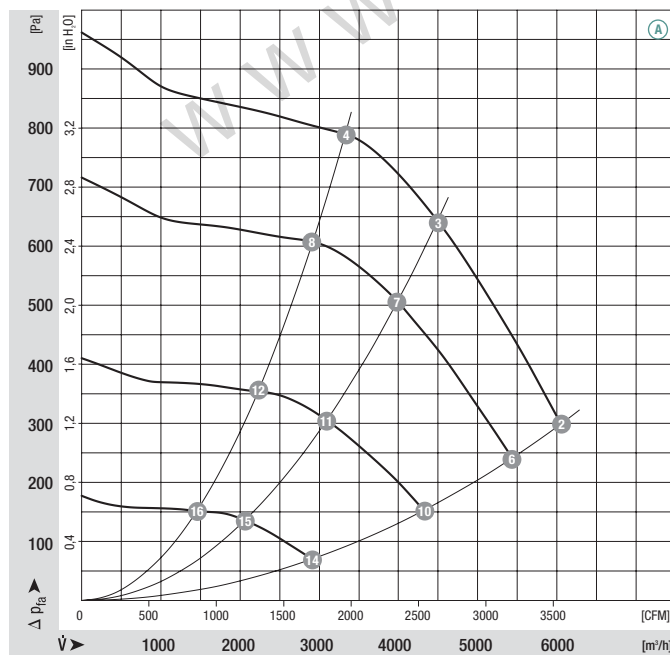
Nominal data

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
R3G 355	M3G 150-FF	A	3~ 380-480	50/60	1180	2.60	4.00	300	-25 to +35	p. 608

subject to alterations

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

Curves



	n [rpm]	P ₁ [kW]	I [A]	Lp _A [dB(A)]	η _{IL} [%]
A 1	—	—	—	—	—
A 2	1180	2.60	4.00	84	54
A 3	1280	1.95	3.00	80	64
A 4	1350	1.52	2.30	79	64
A 5	—	—	—	—	—
A 6	1050	1.91	2.90	82	54
A 7	1130	1.36	2.00	77	64
A 8	1190	1.02	1.60	75	64
A 9	—	—	—	—	—
A 10	840	0.97	1.70	76	54
A 11	890	0.66	1.30	71	64
A 12	920	0.49	1.00	68	64
A 13	—	—	—	—	—
A 14	580	0.31	0.70	65	54
A 15	600	0.22	0.60	59	64
A 16	610	0.17	0.50	56	64

- **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 ebmBUS
- 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 355-AR08 -03

19.9

35510-2-4013

10051-2-4017

