

AC centrifugal fan

single inlet, Ø 310



- **Material:** Impeller: Galvanised sheet steel
Rotor: Cast in aluminium
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54 (acc. to EN 60529)
- **Insulation class:** "F"
- **Mounting position:** Any
- **Condensate discharge holes:** On rotor and stator sides
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data

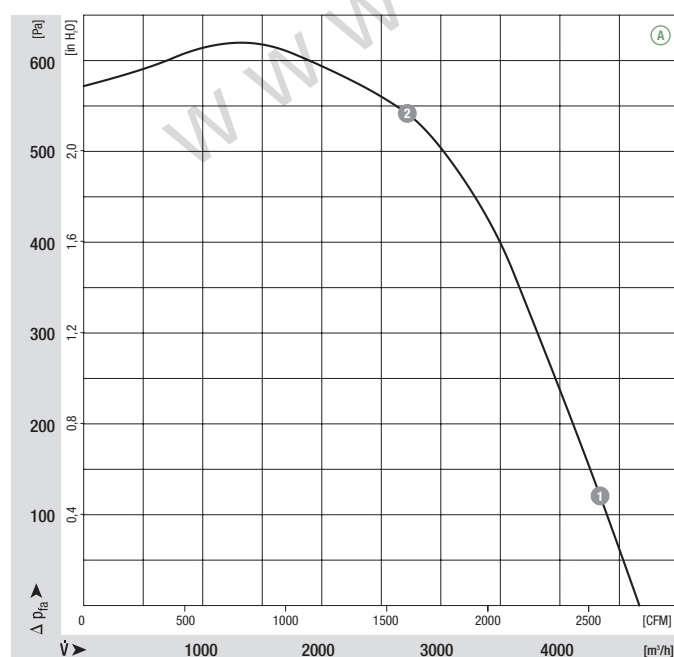
Type	Motor	Curve	Nominal voltage VAC	Frequency Hz	Speed/rpm ⁽¹⁾ rpm	Max. power input ⁽¹⁾ kW	Max. current draw ⁽¹⁾ A	Capacitor μF/VDB	Min. back pressure Pa	Perm. amb. temp. °C	Electr. connection p. 596 f.
R4D 310⁽²⁾	M4D 138-HF	Ⓐ	3~ 230/400	50	1310	2.18	6.75/3.90	—	0	-25 to +55	D1)/D2)

subject to alterations

(1) Nominal data in operating point with maximum load

(2) 230 VAC Δ / 400 VAC Y

Curves



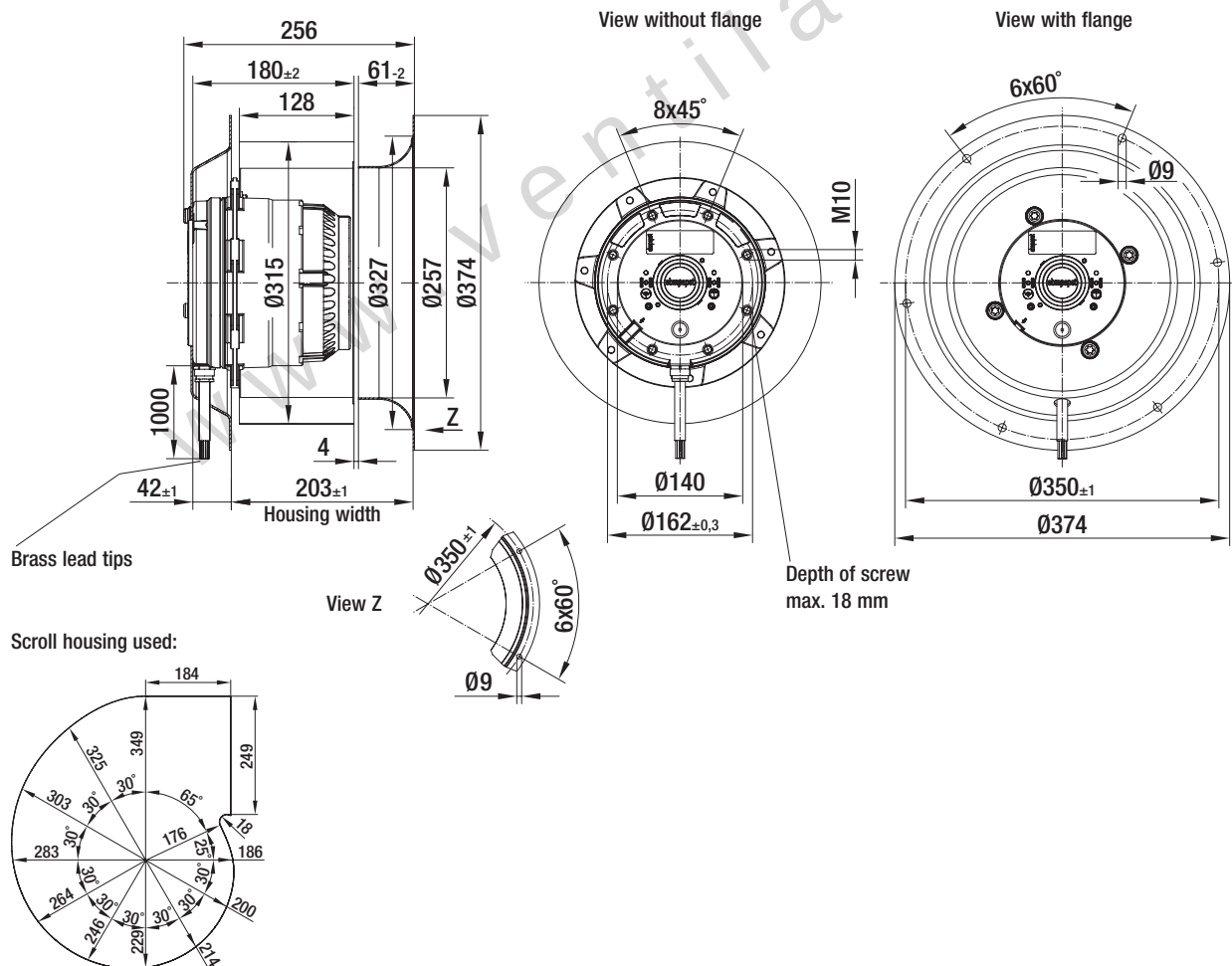
	n [rpm]	P ₁ [kW]	I [A]	Lp _A [dB(A)]
Ⓐ 1	1330	1.96	6.29/3.63	82
Ⓐ 2	1410	1.12	4.43/2.56	77

- **Motor protection:** Design with thermal overload protector
- **Cable exit:** Lateral
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standard:** CE
- **Approvals:** VDE (acc. to EN 60034)



Mass of centrifugal fan

Centrifugal fan	kg	Inlet nozzle	Flange
R4D 310-CK03 -01	24.5	31010-2-4013	38310-2-4017



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- **Material:** Impeller: Galvanised sheet steel
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- **Type of protection:** IP 54 (acc. to EN 60529)
- **Insulation class:** "F"
- **Mounting position:** Any
- **Condensate discharge holes:** On rotor and stator sides
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

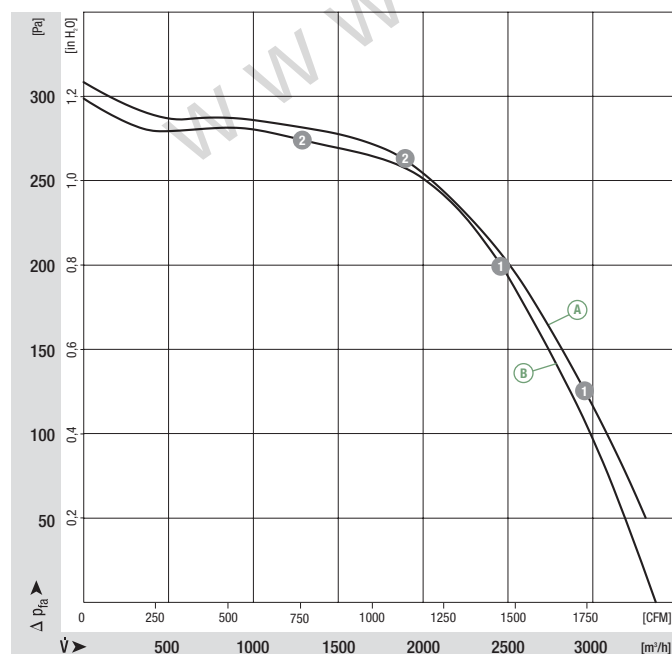
Nominal data		Curve	Nominal voltage	Frequency	Speed/rpm ⁽¹⁾	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Capacitor	Min. back pressure	Perm. amb. temp.	Electr. connection
Type	Motor		VAC	Hz	rpm	kW	A	µF/VDB	Pa	°C	p. 596 f.
R6D 310 ⁽²⁾	M6D 110-GF	(A)	3~ 230/400	50	840	0.76	2.50/1.45	—	50	-25 to +50	D1)/D2)
R6E 310	M6E 110-IA	(B)	1~ 230	50	800	0.77	3.37	16.0/400	0	-25 to +65	A2a)

subject to alterations

(1) Nominal data in operating point with maximum load

(2) 230 VAC Δ / 400 VAC Y

Curves



	n [rpm]	P ₁ [kW]	I [A]	Lp _A [dB(A)]
(A) 1	870	0.65	2.25/1.30	72
(A) 2	930	0.40	1.75/1.01	67
(B) 1	900	0.58	2.81	70
(B) 2	950	0.42	2.32	65

- **Motor protection:** Design with thermal overload protector
- **Cable exit:** Diagonal
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standard:** CE
- **Approvals:** VDE (acc. to EN 60034)

General
information

AC centrifugal,
backward

AC centrifugal,
forward

EC centrifugal,
backward

EC centrifugal, back-
ward for clean rooms

EC centrifugal,
forward

EC-SYSTEMS

Accessories

Technology

Contacts



Mass of
centrifugal fan



Centrifugal fan	kg	Inlet nozzle	Flange
R6D 310-CG03 -01	12.5	31010-2-4013	10310-2-4017
R6E 310-CI01 -01	15.0	31010-2-4013	10310-2-4017

