

# AC centrifugal fans

backward curved, 3-D, Ø 310



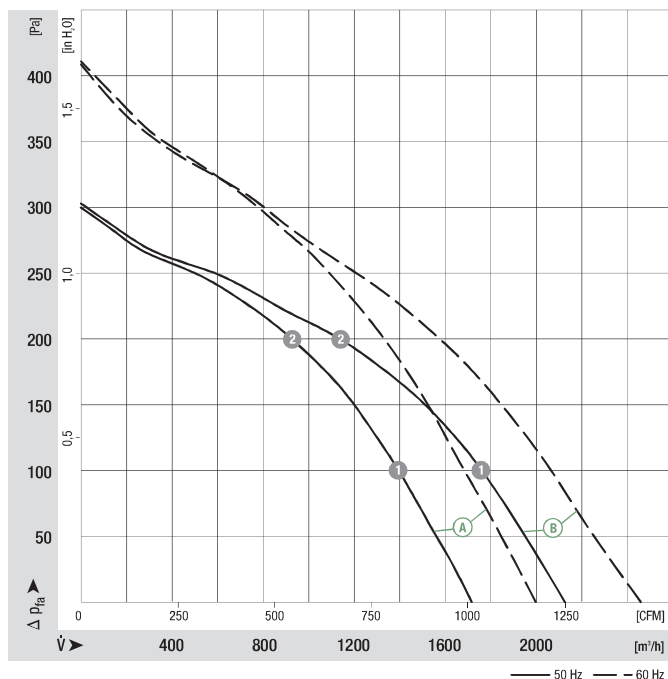
- **Material:** Impeller: Sheet aluminium, laser-welded  
Rotor: Coated in black
- **Number of blades:** 6
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 44
- **Insulation class:** "B"
- **Mounting position:** Shaft horizontal or rotor on bottom; rotor on top on request
- **Condensate discharges:** Rotor-side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data		Curve	Nominal voltage	Frequency	Air flow	Speed/rpm	Power input	Current draw	Capacitor	Sound pressure level	Perm. amb. temp.	Electr. connection
Type	Motor	VAC	Hz	m³/h	rpm	W	A	µF/VDB	dB(A)	°C	p. 596 f.	
R4D 310 <sup>(1)</sup>	M4D 068-EC	A	3~ 230/400	50	1710	1430	85	0.52/0.30	—	62	-25 to +75	C1)/C2)
			3~ 230/400	60	1990	1650	115	0.45/0.26	—	66	-25 to +80	
R4D 310 <sup>(1)</sup>	M4D 068-EC	B	3~ 230/400	50	2120	1400	110	0.55/0.32	—	60	-25 to +65	C1)/C2)
			3~ 230/400	60	2450	1600	150	0.52/0.30	—	63	-25 to +55	

subject to alterations

(1) 230 VAC Δ / 400 VAC Y

Curves (established with long inlet nozzle)



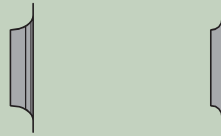
	n [rpm]	P <sub>1</sub> [W]	I [A]
A 1	1400	107	0.65/0.38
A 2	1400	113	0.69/0.40
B 1	1360	136	0.69/0.40
B 2	1350	141	0.71/0.41

- **Motor protection:** Design with thermal overload protector
- **Cable exit:** Axial
- **Protection class:** I
- **Product conforming to standards:** EN 60335-1, CE
- **Approvals:** CCC



Mass of centrifugal fan

Dimensions



Centrifugal fan	kg	b	c	g	Inlet nozzle (long)	Inlet nozzle (short)
R4D 310-AR18 -01	3.3	104.0	123.0	70.0	31050-2-4013	31051-2-4013
R4D 310-AS18 -01	3.4	139.0	154.0	101.0	31050-2-4013	31051-2-4013

Inlet nozzle (long)

