

AC centrifugal fans

backward curved, 3-D, Ø 500



- **Material:** Impeller: Sheet aluminium, welded
Rotor: Cast in aluminium
- **Number of blades:** 9
- **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

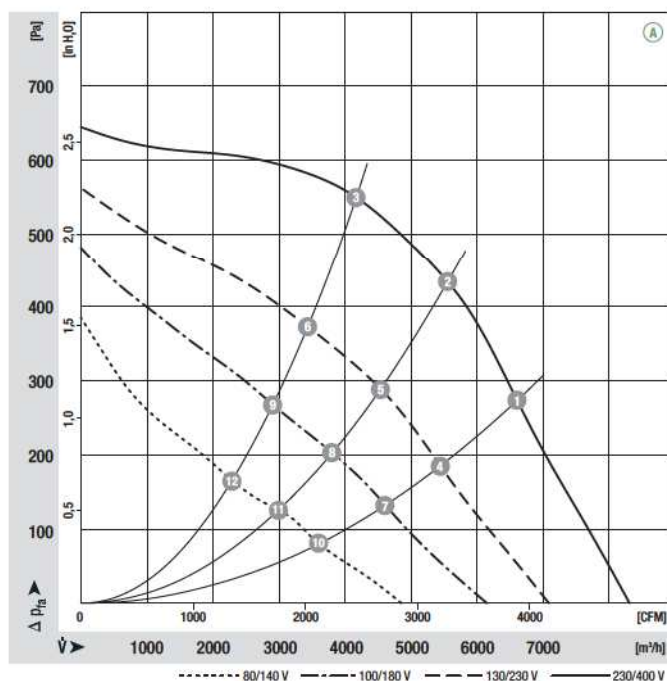
Nominal data		Curve	Nominal voltage	Frequency	Speed/rpm ⁽¹⁾	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Capacitor	Perm. amb. temp.	Electr. connection
Type	Motor	VAC	Hz	rpm	kW	A	µF/VDB	°C	p. 596 f.	
R4D 500 ⁽²⁾	M4D 138-HF	Ⓐ 3~ 230/400	50	1375	1.43	5.20/3.00	—	-40 to +80	D1)/D2)	

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]	L _{wA} [dB(A)]
Ⓐ 1	1380	1.36	4.99/2.88	81
Ⓐ 2	1375	1.42	5.13/2.96	79
Ⓐ 3	1375	1.43	5.20/3.00	77
Ⓐ 4	1150	0.97	5.25/3.03	76
Ⓐ 5	1125	1.00	5.42/3.13	74
Ⓐ 6	1140	0.97	5.28/3.05	73
Ⓐ 7	970	0.73	5.18/2.99	71
Ⓐ 8	945	0.74	5.30/3.06	69
Ⓐ 9	970	0.73	5.16/2.98	68
Ⓐ 10	775	0.49	4.66/2.69	64
Ⓐ 11	755	0.49	4.73/2.73	63
Ⓐ 12	775	0.49	4.68/2.70	62

- **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 (long)
R4D 500-AT03 -01	26.0	63072-2-4013

