

# 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 (in accordance with EN 60529)
- **Insulation class:** "F"
- **Mounting position:** Shaft horizontal or rotor on bottom; rotor on top on request
- **Condensate discharge holes:** Rotor-side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

## Nominal data

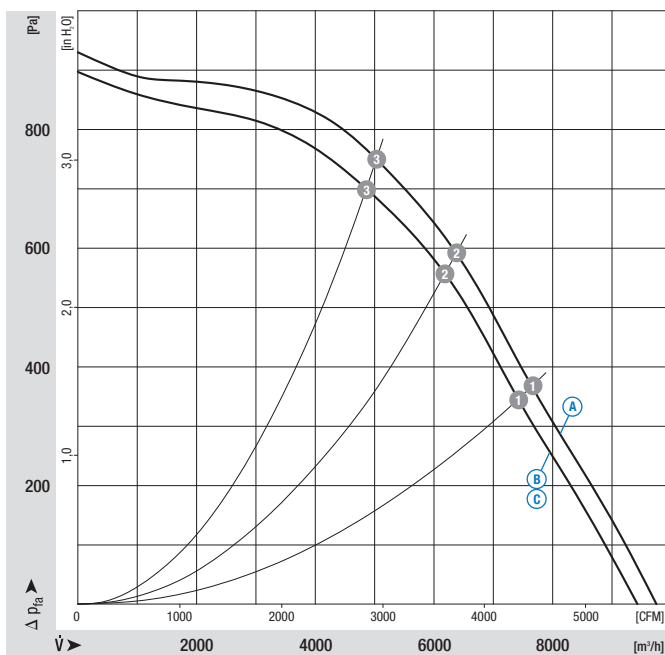
Type	Motor	Curve	Nominal voltage VAC	Frequency Hz	Speed <sup>(1)</sup> rpm	Max. power input <sup>(1)</sup> kW	Max. current draw <sup>(1)</sup> A	Capacitor µF/VDB	Perm. amp. temp. °C	Electr. connection p. 127
R4D 500 <sup>(2)</sup>	M4D 138-LA	A	3~ 480 Y	60	1670	2.40	3.90	—	-40 to +70	D1)/D2)
		B	3~ 400 Y	60	1600	2.24	3.90	—	-40 to +70	
		C	3~ 230 Δ	60	1600	2.24	6.75	—	-40 to +70	

subject to alterations

<sup>(1)</sup> Nominal data in operating point with maximum load

<sup>(2)</sup> 230 VAC Δ / 400 VAC Y / 480 VAC Y

## Curves

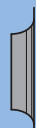


	n [rpm]	P <sub>1</sub> [kW]	I [A]	L <sub>wa</sub> [dB(A)]
A 1	1670	2.30	3.70	86
A 2	1670	2.40	3.90	82
A 3	1670	2.30	3.69	83
B 1	1610	2.16	3.77	85
B 2	1600	2.24	3.90	81
B 3	1610	2.15	3.75	82
C 1	1610	2.16	6.53	85
C 2	1600	2.24	6.75	81
C 3	1610	2.15	6.50	82

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



Mass of centrifugal fan



Centrifugal fan

kg

Inlet nozzle (long)

R4D 500-AQ05 -01

27.0

63072-2-4013

