

AC centrifugal fans

backward curved, Ø 450



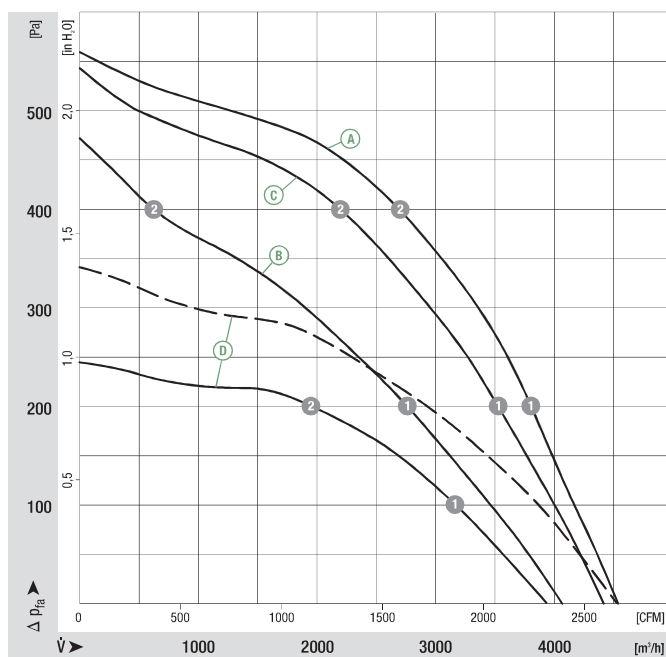
- **Material:** Impeller: Sheet aluminium, riveted
Rotor: Coated in black
- **Number of blades:** 6
- **Direction of rotation:** Clockwise, seen on rotor
- **Type of protection:** IP 54 (acc. to EN 60529)
- **Insulation class:** "F"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode 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	W	A	µF/VDB	°C	p. 596 f.	
R4D 450	M4D 094-HA	(A) 3~ 400 Δ	50	1380	665	1.55	—	-40 to +50	F1a)/F2a)	
		(B) 3~ 400 Y	50	1130	470	0.82	—	-40 to +55		
R4E 450	M4E 094-HA	(C) 1~ 230	50	1290	640	3.10	10.0/400	-40 to +50	A2a)	
R6E 450	M6E 094-HA	(D) 1~ 230	50	905	320	1.56	10.0/400	-40 to +40	A2a)	
		1~ 230	60	1010	425	1.86	10.0/450	-40 to +55		

subject to alterations

(1) Nominal data in operating point with maximum load

Curves



	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]
(A) 1	1390	610	1.52	70
(A) 2	1380	650	1.53	69
(B) 1	1130	470	0.82	64
(B) 2	1260	350	0.65	68
(C) 1	1310	602	2.97	69
(C) 2	1310	596	2.92	68
(D) 1	910	305	1.50	61
(D) 2	905	310	1.53	58

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



Mass of centrifugal fan

Dimensions



Centrifugal fan	kg	b	c	g	Inlet nozzle (long)
R4D 450-AD22 -06	9.3	175.0	204.0	120.0	54478-2-4013
R4E 450-AB09 -06	9.3	175.0	204.0	120.0	54478-2-4013
R6E 450-AB06 -06	9.6	215.0	244.0	160.0	54478-2-4013

