

AC axial fans

S series, Ø 450



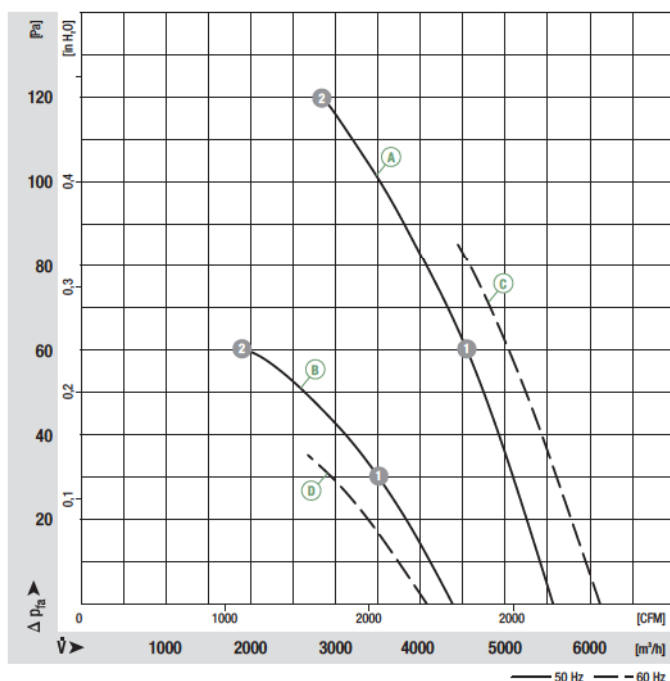
- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Plastic, coated in black
Rotor: Coated in black
- **Number of blades:** 5
- **Direction of rotation:** Direction of air flow "V" counter-clockwise, direction of air flow "A" counter-clockwise, seen on rotor
- **Type of protection:** IP 54 (acc. to EN 60529)
- **Insulation class:** "F"
- **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	Speed/rpm ⁽¹⁾	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Capacitor	Max. operative range	Perm. amb. temp.	Mass without attachments	Electr. connection
Type	Motor	VAC	Hz	rpm	W	A	µF/VDB	Pa	°C	kg	p. 416 f.	
*4D 450	M4D 094-EA	(A) 3~ 400 Δ	50	1250	340	0.61	—	120	-40 to +60	6.0	F1b)/F2b)	
		(B) 3~ 400 Y	50	875	200	0.33	—	60	-40 to +60			
		(C) 3~ 400 Δ	60	1360	415	0.70	—	85	-40 to +50	6.0	F1b)/F2b)	
		(D) 3~ 400 Y	60	860	205	0.35	—	35	-40 to +50			
*4E 450	M4E 094-EA	(E) 1~ 230	50	1300	350	1.55	8.0/400	120	-40 to +55	6.0	A2b)	
		1~ 230	60	1490	425	1.87	8.0/400	50	-40 to +45			

subject to alterations

(1) Nominal data in operating point with maximum load

Curves

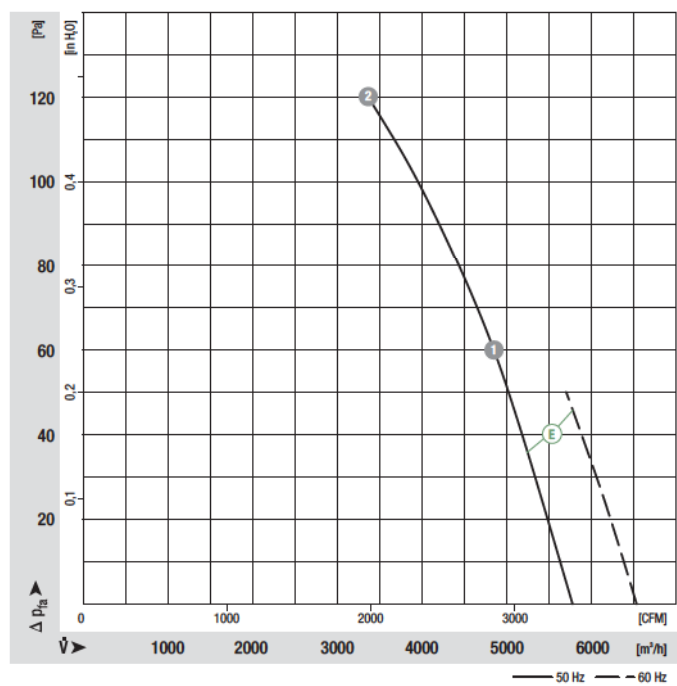


	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]
(A) 1	1300	285	0.54	67
(A) 2	1250	340	0.61	64
(B) 1	985	180	0.30	59
(B) 2	875	200	0.33	54

- **Motor protection:** Ⓐ-ⓓ Design with thermal overload protector, Ⓔ TOP wired internally
- **Cable exit:** Lateral via terminal box
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standard:** CE

Direction of air flow				
	< "V"/"A" > Without attachments	< "V"/"A" > With full round nozzle	< "V"/"A" > With guard grille for full nozzle	< "V"/"A" > With guard grille for short nozzle
"V" "A"	A4D 450-AU01 -01 A4D 450-AU01 -02	W4D 450-CU01 -01 W4D 450-CU01 -02	S4D 450-BU01 -01 S4D 450-BU01 -02	S4D 450-AU01 -01 S4D 450-AU01 -02
"V" "A"	A4E 450-AU03 -01 A4E 450-AU03 -02	W4E 450-CU03 -01 W4E 450-CU03 -02	S4E 450-BU03 -01 S4E 450-BU03 -02	S4E 450-AU03 -01 S4E 450-AU03 -02

Curves



	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]
Ⓔ 1	1350	310	1.35	68
Ⓔ 2	1300	350	1.55	65