

AC axial fans

S series, Ø 450



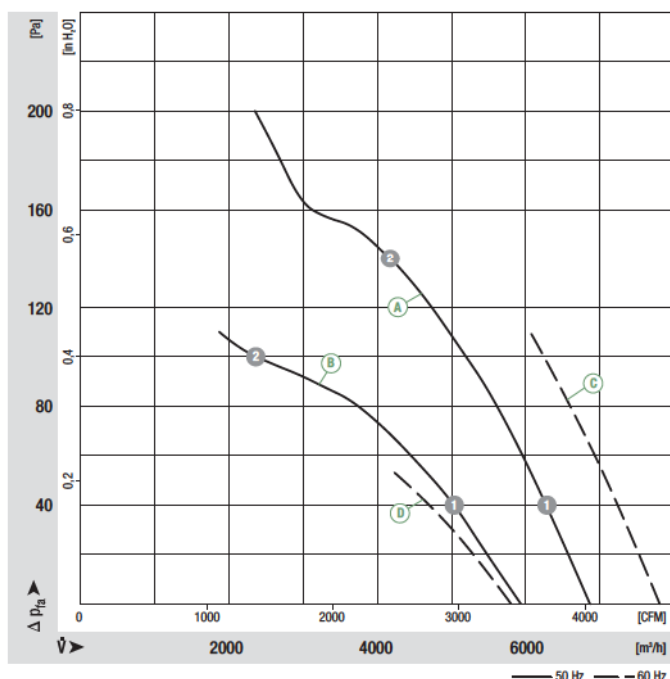
- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet steel, coated in black
Rotor: Coated in black
- **Number of blades:** 5
- **Direction of rotation:** Direction of air flow "V" counter-clockwise, 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-HA	(A) 3~ 400 Δ	50	1330	585	1.10	—	200	-40 to +70	7.9	F1b)/F2b)	
		(B) 3~ 400 Y	50	1000	390	0.67	—	110	-40 to +70			
		(C) 3~ 400 Δ	60	1540	660	1.16	—	110	-40 to +50	7.9	F1b)/F2b)	
		(D) 3~ 400 Y	60	1060	400	0.70	—	55	-40 to +50			
*4E 450	M4E 094-HA	(E) 1~ 230	50	1350	480	2.10	10.0/400	125	-40 to +65	7.9	A2b)	
		1~ 230	60	1490	665	2.90	10.0/400	115	-40 to +50			

subject to alterations


(1) Nominal data in operating point with maximum load

Curves

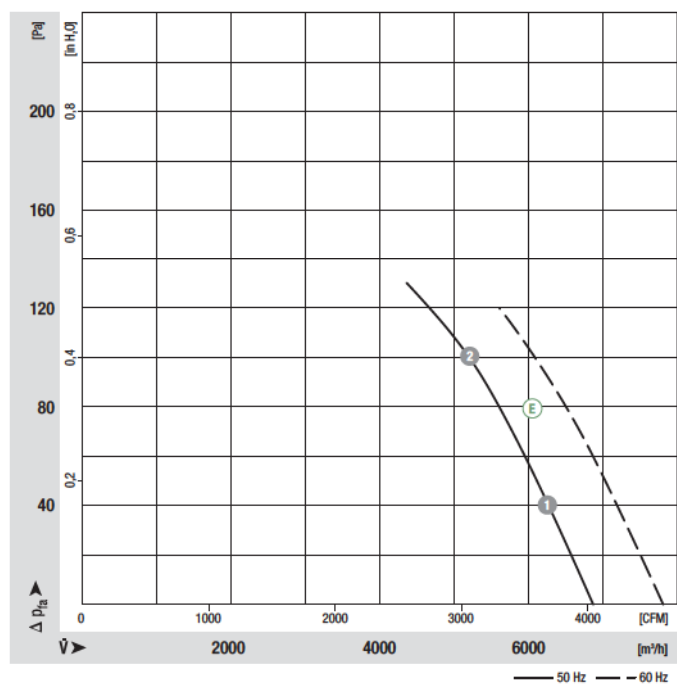


	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]
(A) 1	1400	392	0.89	72
(A) 2	1370	476	0.98	70
(B) 1	1170	303	0.53	68
(B) 2	1030	375	0.63	66

- **Motor protection:** Design with thermal overload protector
- **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" > In-line duct fan
"V" "A"	A4D 450-BA14 -01 A4D 450-BA14 -02	W4D 450-GA14 -01 W4D 450-GA14 -02	S4D 450-HA14 -01 S4D 450-HA14 -02	S4D 450-GA14 -01 S4D 450-GA14 -02	— —
"V" "A"	A4E 450-BA09 -01 A4E 450-BA09 -02	W4E 450-GA09 -01 W4E 450-GA09 -02	S4E 450-HA09 -01 S4E 450-HA09 -02	S4E 450-GA09 -01 S4E 450-GA09 -02	— —

Curves



	n [rpm]	P ₁ [W]	I [A]	Lp _A [dB(A)]
Ⓔ 1	1380	413	2.01	72
Ⓔ 2	1360	460	2.20	70