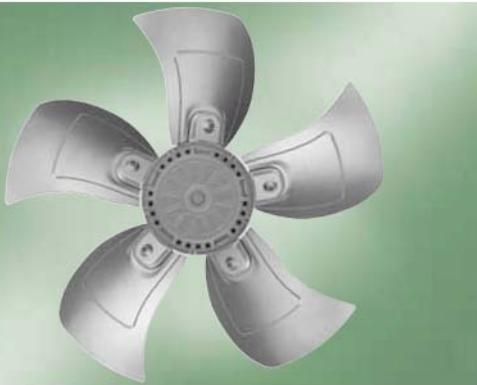


AC axial fans

S series, Ø 450



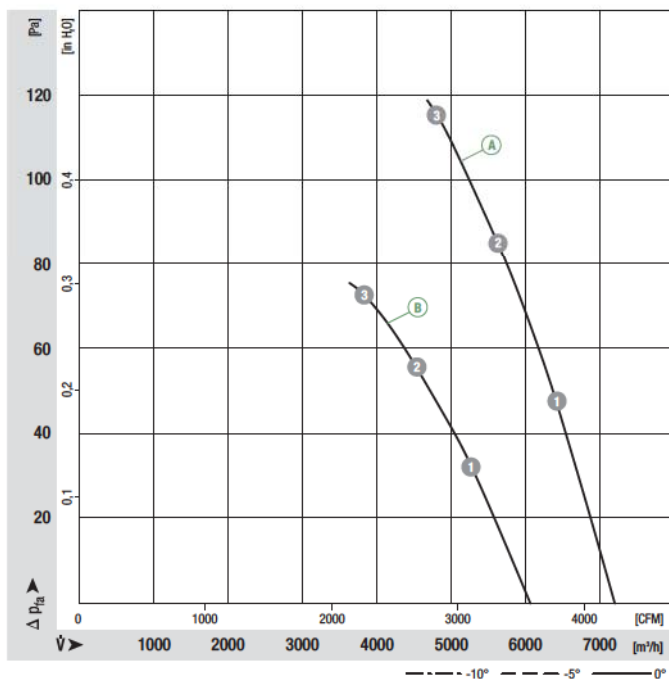
- **Material:** Guard grille: Steel, phosphated and coated in black plastic
Wall ring: Sheet steel, pre-galvanised and coated in black plastic
Blades: Sheet aluminium
Rotor: Encased in aluminium
- **Number of blades:** 5
- **Direction of rotation:** Counter-clockwise, seen on rotor
- **Type of protection:** IP 54 (acc. to EN 60529)
- **Insulation class:** "F"
- **Mounting position:** Any
- **Condensate discharge holes:** On rotor and stator side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data		Blade angle	Curve	Nominal voltage	Frequency	Speed/rpm ⁽¹⁾	Max. power input ⁽¹⁾	Max. current draw ⁽¹⁾	Capacitor	Max. operative range	Perm. amb. temp.	Mass of in-line duct fan	Electr. connection
Type	Motor			VAC	Hz	rpm	W	A	µF/VDB	Pa	°C	kg	p. 416 f.
*4D 450	M4D 110-EF	0°	Ⓐ	3~ 400 Δ	50	1350	490	1.00	—	115	-40 to +95	14.5	F1b)/F2b)
			Ⓑ	3~ 400 Y	50	1075	340	0.58	—	75	-40 to +95		
*4E 450	M4E 110-EF	0°	Ⓒ	1~ 230	50	1330	500	2.20	10.0/400	100	-40 to +80	14.5	A2b)

subject to alterations

(1) Nominal data in operating point with maximum load

Curves

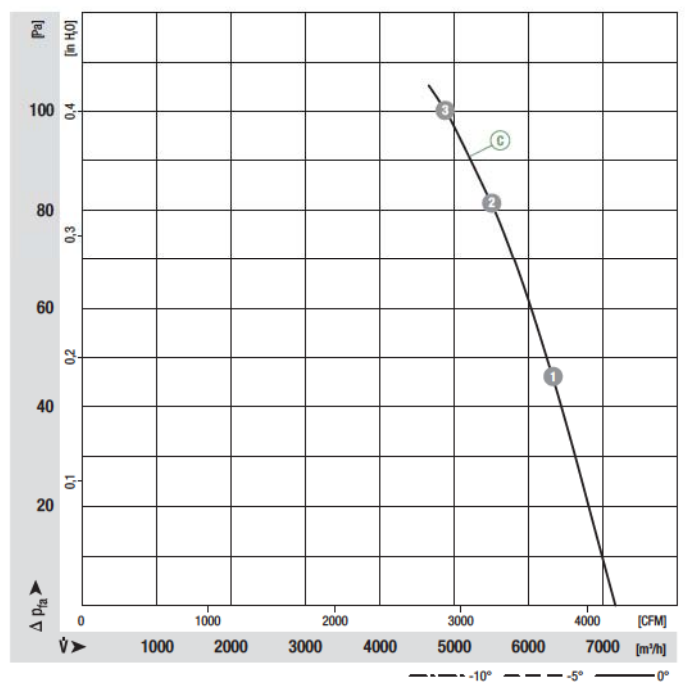


	n [rpm]	P ₁ [W]	I [A]	L _{wA} [dB(A)]
Ⓐ 1	1370	450	0.97	76
Ⓐ 2	1360	470	0.99	77
Ⓐ 3	1350	490	1.00	79
Ⓑ 1	1120	320	0.56	71
Ⓑ 2	1090	330	0.57	73
Ⓑ 3	1075	340	0.58	75

- **Motor protection:** Design with thermal overload protector
- **Cable exit:** Via terminal box
- **Protection class:** I (acc. to EN 61800-5-1)
- **Product conforming to standard:** CE
- **Approvals:** VDE (acc. to EN 60034)

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"	— —	— —	— —	— —	W4D 450-IG01 -01 —
"V" "A"	— —	— —	— —	— —	W4E 450-IG01 -01 —

Curves



	n [rpm]	P ₁ [W]	I [A]	L _{wA} [dB(A)]
⊙ 1	1360	460	2.00	76
⊙ 2	1340	480	2.10	77
⊙ 3	1330	500	2.20	78