

# AC axial fans

S series, Ø 630



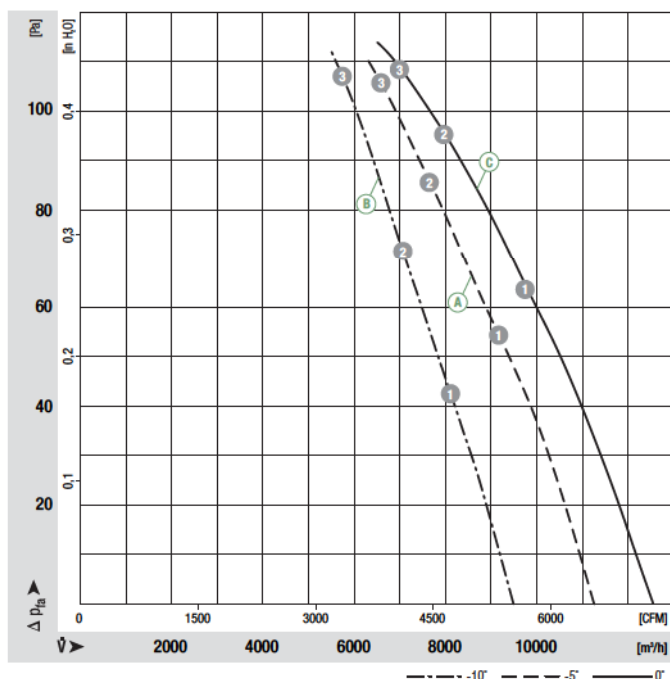
- **Material:** Guard grille: Steel, phosphated and coated in black plastic  
Wall ring: Sheet steel, pre-galvanised and coated in black plastic  
Blades: Sheet aluminium  
Rotor: Encased in aluminium
- **Number of blades:** 5
- **Direction of rotation:** Direction of air flow "V" counter-clockwise, direction of air flow "A" 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 <sup>(1)</sup>	Max. power input <sup>(1)</sup>	Max. current draw <sup>(1)</sup>	Capacitor	Max. operative range	Perm. amb. temp.	Electr. connection
Type	Motor			VAC	Hz	rpm	kW	A	µF/VDB	Pa	°C	p. 416 f.
*6E 630	M6E 110-GF	-5°	A	1~ 230	50	880	0.61	2.65	14.0/450	100	-40 to +60	A2b)
*6E 630	M6E 110-GF	-10°	B	1~ 230	50	905	0.49	2.15	12.0/450	100	-40 to +70	A2b)
*6E 630	M6E 110-IA	0°	C	1~ 230	50	860	0.76	3.35	16.0/450	100	-40 to +50	A2b)
*8E 630	M8E 110-GF	-5°	D	1~ 230	50	655	0.35	1.79	7.0/450	60	-40 to +60	A2b)

subject to alterations

(1) Nominal data in operating point 3 with maximum load

## Curves

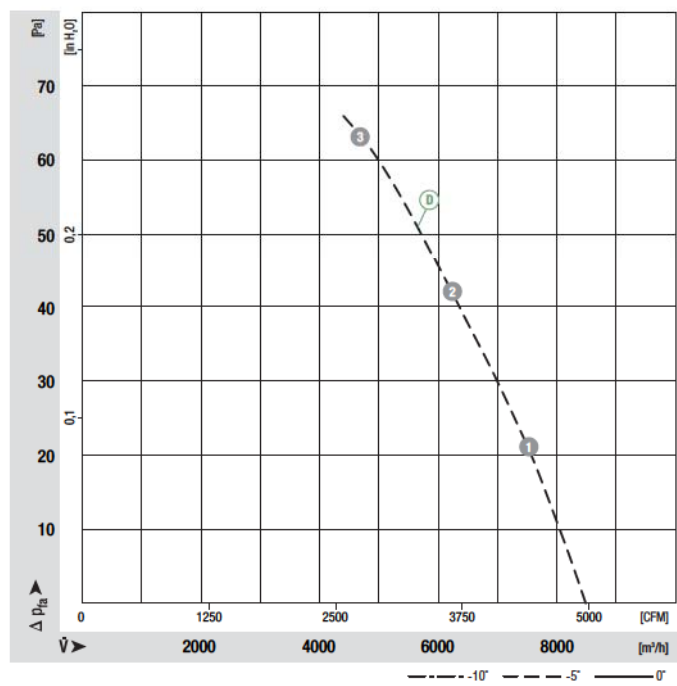


	n [rpm]	P <sub>1</sub> [kW]	I [A]	Lw <sub>A</sub> [dB(A)]
A 1	905	0.55	2.41	75
A 2	895	0.58	2.51	75
A 3	880	0.61	2.65	76
B 1	925	0.43	1.89	75
B 2	920	0.45	1.99	76
B 3	905	0.49	2.15	78
C 1	890	0.71	3.11	76
C 2	875	0.73	3.23	76
C 3	860	0.76	3.35	76

- **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" >		< "V"/"A" >		< "V" >		< "V" >		"A" >		"A" >		< "V" >	
	Without attachments		With full square nozzle		With guard grille for full nozzle		With guard grille for short nozzle		With guard grille for full nozzle		With guard grille for short nozzle		In-line duct fan	
"V"	A6E 630-AE01 -01	W6E 630-GE01 -01	S6E 630-CE01 -01	S6E 630-AE01 -01	—	—	—	—	—	—	—	—	—	—
"A"	A6E 630-AE01 -02	W6E 630-DE01 -02	—	—	—	—	—	—	S6E 630-BE01 -02	S6E 630-AE01 -02	—	—	—	—
"V"	A6E 630-AF01 -01	W6E 630-GF01 -01	S6E 630-CF01 -01	S6E 630-AF01 -01	—	—	—	—	—	—	—	—	—	—
"A"	A6E 630-AF01 -02	W6E 630-DF01 -02	—	—	—	—	—	—	S6E 630-BF01 -02	S6E 630-AF01 -02	—	—	—	—
"V"	A6E 630-AA03 -01	W6E 630-GA03 -01	S6E 630-CA03 -01	S6E 630-AA03 -01	—	—	—	—	—	—	—	—	W6E 630-IA03 -01	—
"A"	A6E 630-AA03 -02	W6E 630-DA03 -02	—	—	—	—	—	—	S6E 630-BA03 -02	S6E 630-AA03 -02	—	—	—	—
"V"	A8E 630-AE01 -01	W8E 630-GE01 -01	S8E 630-CE01 -01	S8E 630-AE01 -01	—	—	—	—	—	—	—	—	—	—
"A"	A8E 630-AE01 -02	W8E 630-DE01 -02	—	—	—	—	—	—	S8E 630-BE01 -02	S8E 630-AE01 -02	—	—	—	—

Curves



	n [rpm]	P <sub>1</sub> [kW]	I [A]	L <sub>wA</sub> [dB(A)]
①	685	0.30	1.61	69
②	675	0.32	1.68	69
③	655	0.35	1.79	69