

# AC axial fans - HyBlade®

Ø 800



- **Material:** Guard grille: Steel, phosphated and coated in black plastic  
Wall ring: Sheet steel, pre-galvanised and coated in black plastic  
Blades: Insertion part made of sheet aluminium, extrusion-coated in PP plastics  
Rotor: Encased in aluminium
- **Number of blades:** 5
- **Direction of rotation:** Direction of air flow "V" 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:** Any
- **Condensate discharge holes:** On rotor and stator side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

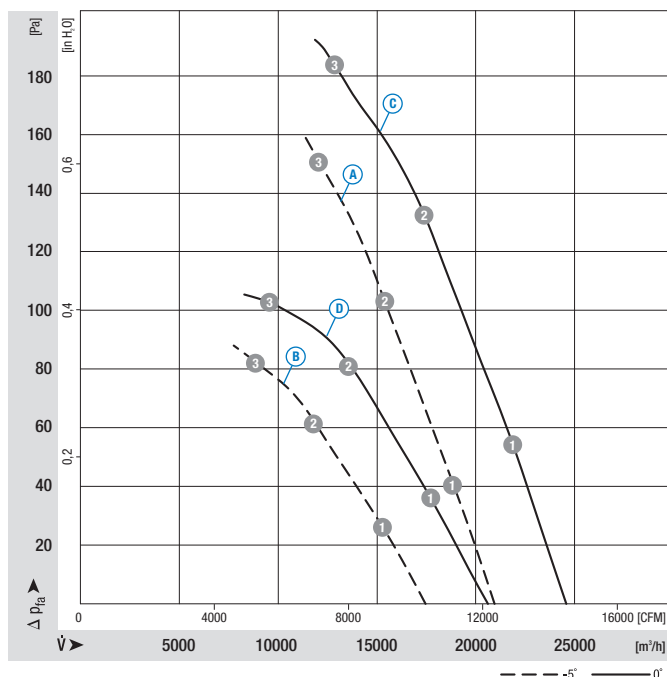
Nominal data		Blade angle	Curve	Nominal voltage	Frequency	Speed/rpm <sup>(1)</sup>	Max. power input <sup>(1)</sup>	Max. current draw <sup>(1)</sup>	Capacitor	Max. operative range	Perm. amb. temp.	Electr. connection
Type	Motor			VAC	Hz	rpm	kW	A	µF/VDB	Pa	°C	p. 48
*6D 800	M6D 138-HF	-5°	A	3~400 Δ	50	870	1,45	3,20	—	150	-40..+60	F1b)/F2b)
			B	3~400 Y	50	610	0,81	1,64	—	75	-40..+60	
*6D 800	M6D 138-LA	0°	C	3~400 Δ	50	895	2,00	4,30	—	180	-40..+60	F1b)/F2b)
			D	3~400 Y	50	685	1,27	2,50	—	100	-40..+60	

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	910	1,07	2,50	72
A 2	890	1,23	2,69	72
A 3	870	1,45	3,20	74
B 1	745	0,72	1,35	68
B 2	690	0,79	1,49	66
B 3	610	0,81	1,64	67
C 1	915	1,55	3,48	71
C 2	900	1,75	3,72	72
C 3	895	2,00	4,30	78
D 1	750	1,08	2,02	68
D 2	705	1,16	2,17	67
D 3	685	1,27	2,50	72

- **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" >
	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
"V"	A6D 800-AH01 -01	W6D 800-GH01 -01	S6D 800-CH01 -01	S6D 800-AH01 -01	—	—
"A"	A6D 800-AH01 -02	W6D 800-DH01 -02	—	—	S6D 800-BH01 -02	—
"V"	A6D 800-AD01 -01	W6D 800-GD01 -01	S6D 800-CD01 -01	S6D 800-AD01 -01	—	—
"A"	A6D 800-AD01 -02	W6D 800-DD01 -02	—	—	S6D 800-BD01 -02	—

