AC transformer fans

Ø 500, 50 Hz



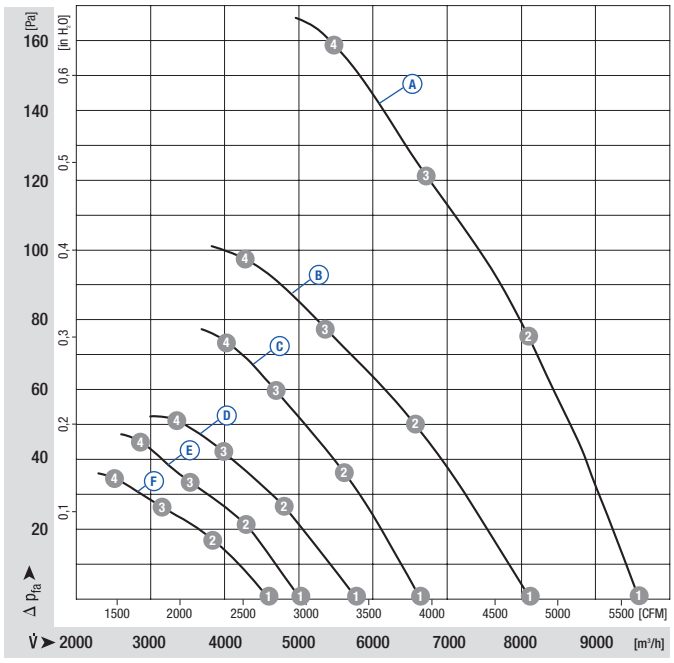
- **Material:** Guard grille made of steel, zinc-plated and plastic coated, RAL 9006
  Wall ring made of sheet steel, hot-dip galvanised and plastic coated, RAL 9006
  Screwed on fan blades made of sheet aluminium, varnished, RAL 9005
  Asynchronous external-rotor motor made of die-cast aluminium, varnished, RAL 9005
  Terminal box made of die-cast aluminium, varnished, RAL 9005
- **Direction of air flow:** "A"
- **Direction of rotation:** clockwise, seen on rotor
- **Type of protection:** IP 54 (according to EN 60529)
- **Insulation class:** "F"
- **Mounting position:** shaft horizontal or rotor on top
- **Condensate discharges:** in the stator flange
- **Operating mode:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data

Type	Motor	Blade angle	Characteristic	Nominal voltage	Frequency	Air flow	Speed/rpm	Power input	Start-up current	Current draw	Max. back pressure	Perm. amb. temp.	Mass
				VAC	Hz	m³/h	min⁻¹	W	A	A	Pa	°C	kg
W4D500	M4D110-GF	0°	Ⓐ	400 Δ	50	9590	1380	620	5,80	1,30	160	-40..+80	17,1
			Ⓑ	400 Y	50	8120	1160	455	2,00	0,77	100	-40..+80	
W6D500	M6D110-EF	0°	Ⓒ	400 Δ	50	6640	945	255	2,55	0,72	75	-40..+75	15,1
			Ⓓ	400 Y	50	5780	825	185	0,85	0,32	50	-40..+75	
W8D500	M8D110-EF	0°	Ⓔ	400 Δ	50	5030	715	180	----	0,60	45	-40..+70	15,1
			Ⓕ	400 Y	50	4600	650	100	----	0,21	34	-40..+70	

subject to alterations

Characteristics



	n [min⁻¹]	P_1 [W]	I [A]	Lw_A [dB(A)]
Ⓐ 1	1380	620	1,30	77
Ⓐ 2	1355	705	1,39	77
Ⓐ 3	1345	755	1,44	78
Ⓐ 4	1325	815	1,52	80
Ⓑ 1	1160	455	0,77	73
Ⓑ 2	1100	500	0,84	73
Ⓑ 3	1070	520	0,87	72
Ⓑ 4	1040	540	0,91	74
Ⓒ 1	945	255	0,72	69
Ⓒ 2	940	285	0,75	70
Ⓒ 3	930	300	0,76	70
Ⓒ 4	925	315	0,76	71
Ⓓ 1	825	185	0,32	66
Ⓓ 2	800	200	0,36	67
Ⓓ 3	780	215	0,37	66
Ⓓ 4	770	225	0,39	67
Ⓔ 1	715	180	0,60	63
Ⓔ 2	710	190	0,64	64
Ⓔ 3	710	200	0,63	62
Ⓔ 4	700	210	0,61	65
Ⓕ 1	650	100	0,21	61
Ⓕ 2	640	110	0,23	61
Ⓕ 3	630	115	0,24	60
Ⓕ 4	615	120	0,25	61

ebmpapst

- **Motor protection:** TOP brought out (on terminal strip)
- **Cable exit:** lateral via terminal box
- **Protection class:** I (according to EN 61800-5-1)
- **Product conforming to standard:** CE
- **Approvals:** VDE (according to EN 60034)

Selection	Direction of air flow	Blade angle	
Type			
W4D500	"A"	0°	W4D500-CD03 -80
W6D500	"A"	0°	W6D500-CG03 -80
W8D500	"A"	0°	W8D500-CG01 -80

