

# AC axial fans - HyBlade®

Ø 400



- **Material:** Guard grille: Steel, phosphated and coated in black plastic (RAL9005)  
Wall ring: Sheet steel, pre-galvanised and coated in black plastic (RAL9005)  
Blades: **E F** Plastic PP; **A B C D** Sheet steel, coated in black  
Rotor: Surface coated in black
- **Number of blades:** 5
- **Direction of rotation:** Counter-clockwise, seen on rotor
- **Type of protection:** IP 44, depending on installation and position (acc. to EN 60034-5)
- **Insulation class:** **E F** "F"; **A B C D** "B"
- **Mounting position:** Shaft horizontal or rotor on bottom; rotor on top on request
- **Condensate discharge holes:** Rotor-side
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

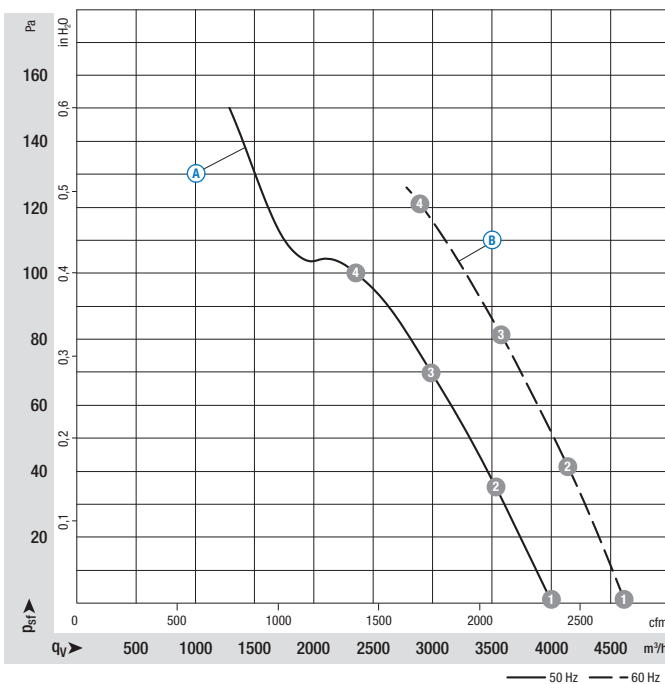
Nominal data		Curve	Nominal voltage	Frequency	Speed/rpm	input power	current draw	Capacitor	Max. back pressure	Perm. amb. temp.	Mass without attachments	Electr. connection
Typ	Motor	VAC	Hz	rpm	W	A	µF/VDB	Pa	°C	kg		
*4D 400 <sup>(2)</sup>	M4D 074-EI	<b>A</b>	3~230/400	50	1450	135	0,76/0,44	---	150	-25..+40	4,2	p. 61 / C1,C2
		<b>B</b>	3~230/400	60	1690	185	0,68/0,39	---	120	-25..+40	4,2	
*4E 400	M4E 074-EI	<b>C</b>	1~230	50	1430	160	0,73	6,0/400	150	-25..+40	4,1	p. 60 / A1)
		<b>D</b>	1~230	50	1700	240	1,06	6,0/400	75	-25..+40	4,1	
*6E 400 <sup>(1)</sup>	M6E 074-DF	<b>E</b>	1~230	50	870	120	0,53	3,0/400	40	-25..+60	3,7	p. 60 / A1)
		<b>F</b>	1~230	60	870	150	0,67	3,0/400	40	-25..+45	3,7	

subject to alterations

(1) Nominal data in operating point with maximum load and 230 VAC

(2) 230 VAC Δ / 400 VAC Y

## Curves



Air performance measured as per: ISO 5801, Installation category A, in ebm-papst full nozzle and without protection against accidental contact

Suction-side noise levels: L<sub>w</sub>A as per ISO 13347, L<sub>p</sub>A measured at 1 m distance to fan axis

The acoustic values given are only valid under the measurement conditions listed and may vary depending on the installation situation.

With any deviation to the standard setup, the specific values have to be checked and reviewed once installed or fitted!

For detailed information see page 62 ff.

	n rpm	P <sub>e</sub> W	I A	L <sub>w</sub> A dB(A)
<b>A</b> 1	1450	135	0,76/0,44	74
<b>A</b> 2	1435	161	0,81/0,47	73
<b>A</b> 3	1420	182	0,85/0,49	72
<b>A</b> 4	1410	203	0,87/0,50	74
<b>B</b> 1	1690	185	0,68/0,39	76
<b>B</b> 2	1660	223	0,78/0,45	76
<b>B</b> 3	1635	256	0,85/0,49	76
<b>B</b> 4	1605	290	0,94/0,54	76



