

W6E350-CN24-30

AC axial fan - HyBlade®

sickled blades (S series)

Wall ring with guard grille

ebm-papst Mulfingen GmbH & Co. KG

Bachmühle 2 · D-74673 Mulfingen

Phone +49 7938 81-0

Fax +49 7938 81-110

info1@de.ebmpapst.com

www.ebmpapst.com

Limited partnership · Headquarters Mulfingen

County court Stuttgart · HRA 590344

General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen

County court Stuttgart · HRB 590142

Nominal data

Type	W6E350-CN24-30				
Motor	M6E074-DF				
Phase		1~	1~	1~	1~
Nominal voltage	VAC	230	230	240	240
Frequency	Hz	50	60	50	60
Type of data definition		ml	ml	ml	ml
Valid for approval / standard		CE	CE	CE	CE
Speed	min ⁻¹	910	1020	910	1040
Power input	W	75	95	80	96
Current draw	A	0.35	0.42	0.36	0.41
Motor capacitor	µF	2	2	2	2
Capacitor voltage	VDB	400	400	450	450
Capacitor standard		P0 (CE)	P0 (CE)	P0 (CE)	P0 (CE)
Max. back pressure	Pa	40	50	40	53
Min. ambient temperature	°C	-25	-25	-25	-25
Max. ambient temperature	°C	50	55	50	55
Starting current	A	0.56	0.51	0.57	0.52

ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit
Subject to alterations



W6E350-CN24-30

AC axial fan - HyBlade®

sickled blades (S series)

Wall ring with guard grille

Technical features

Mass	6.5 kg
Size	350 mm
Surface of rotor	Coated in black
Material of blades	Press-fitted sheet steel blank, sprayed with PP plastic
Number of blades	5
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position as per EN 60034-5
Insulation class	"B"
Humidity class	F1-2
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Condensate discharge holes	Rotor-side
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Variable
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	CCC

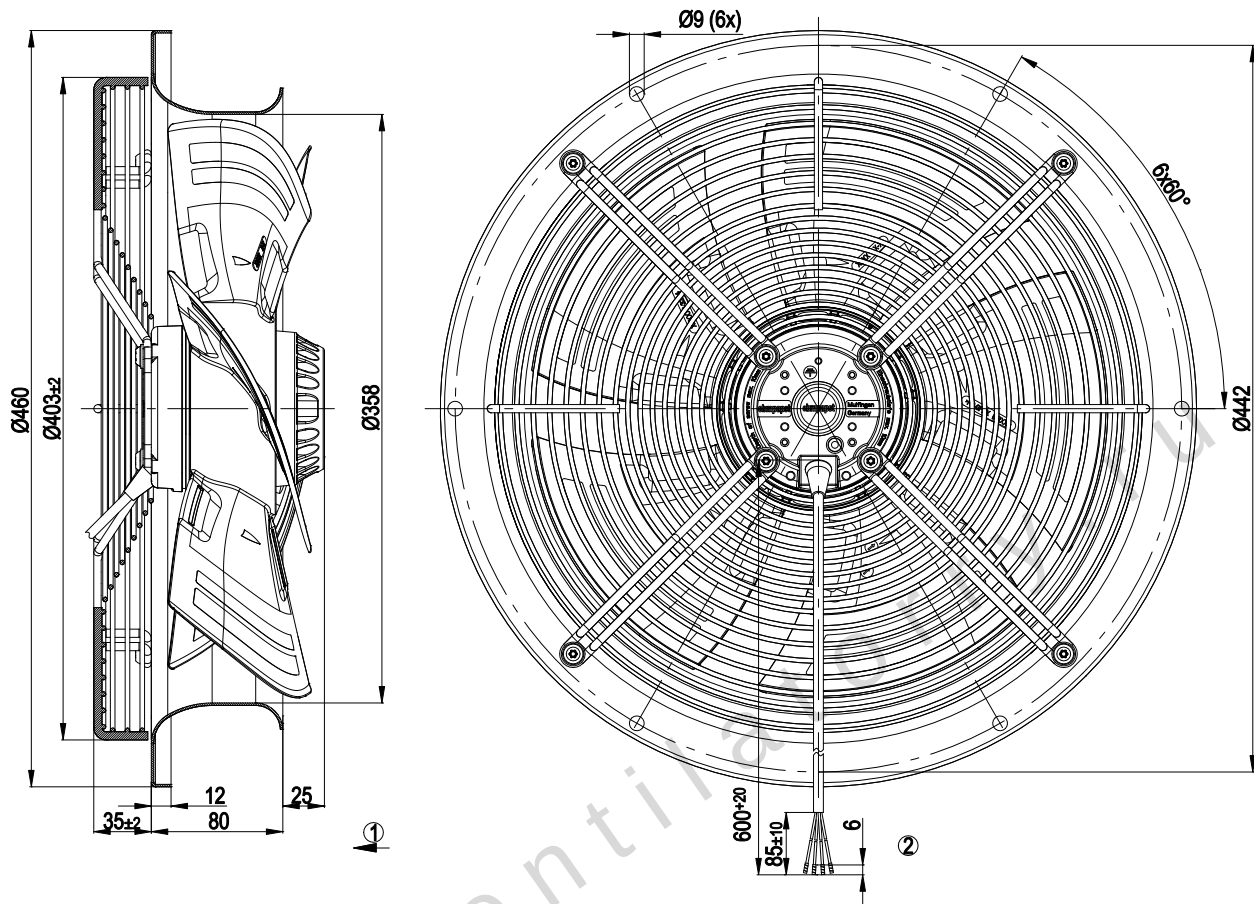
W6E350-CN24-30

AC axial fan - HyBlade®

sickled blades (S series)

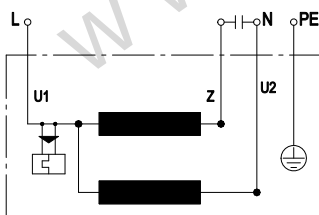
Wall ring with guard grille

Product drawing



- | | |
|---|---|
| 1 | Direction of air flow "V" |
| 2 | Connection line silicone 4G 0.5 mm ² , 4 x brass lead tips crimped |

Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

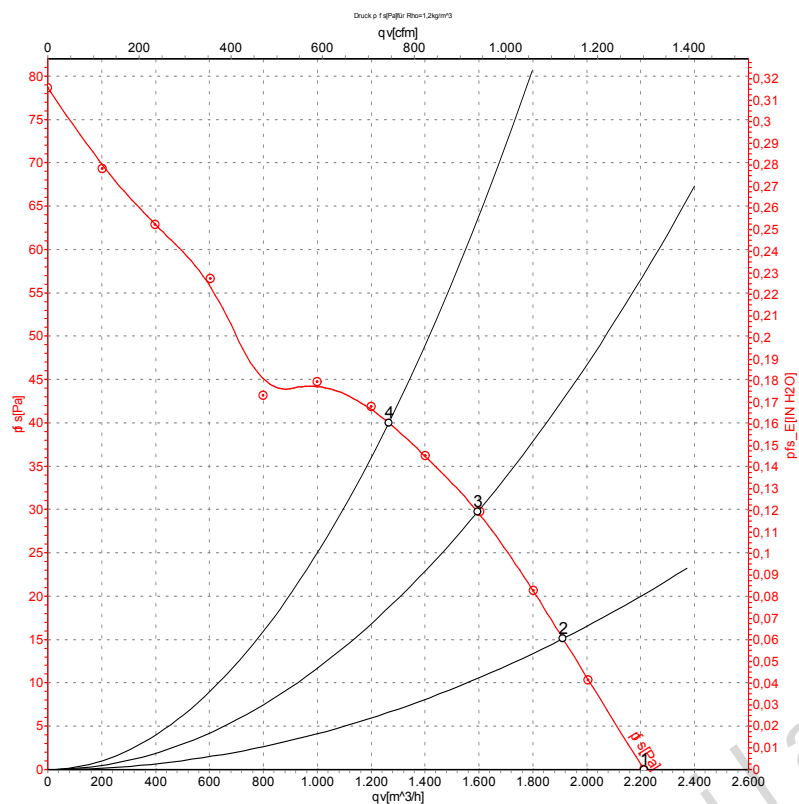
W6E350-CN24-30

AC axial fan - HyBlade®

sickled blades (S series)

Wall ring with guard grille

Charts: Air flow 50 Hz



Air performance measured as per ISO 5801
Installation category A. For detailed
information on the measuring set-up, please
contact ebm-papst. Suction-side noise
levels: LwA measured as per ISO 13347 /
LpA measured with 1m distance to fan axis.
The values given are valid under the
measuring conditions mentioned above and
may vary according to the actual installation
situation. With any deviation from the
standard set-up, the specific values have to
be checked and reviewed with the unit
installed.

Measured values

	U	f	n	P _e	I	LpA _{in}	LwA _{in}	qv	pt _s
	V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	m³/h	Pa
1	230	50	930	67	0.32	51	59	2210	0
2	230	50	925	69	0.33	49	57	1910	15
3	230	50	915	72	0.34	47	54	1595	30
4	230	50	910	75	0.35	45	53	1265	40

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · LpA_{in} = Sound pressure level inlet side · LwA_{in} = Sound power level inlet side · qv = Air flow
pt_s = Pressure increase

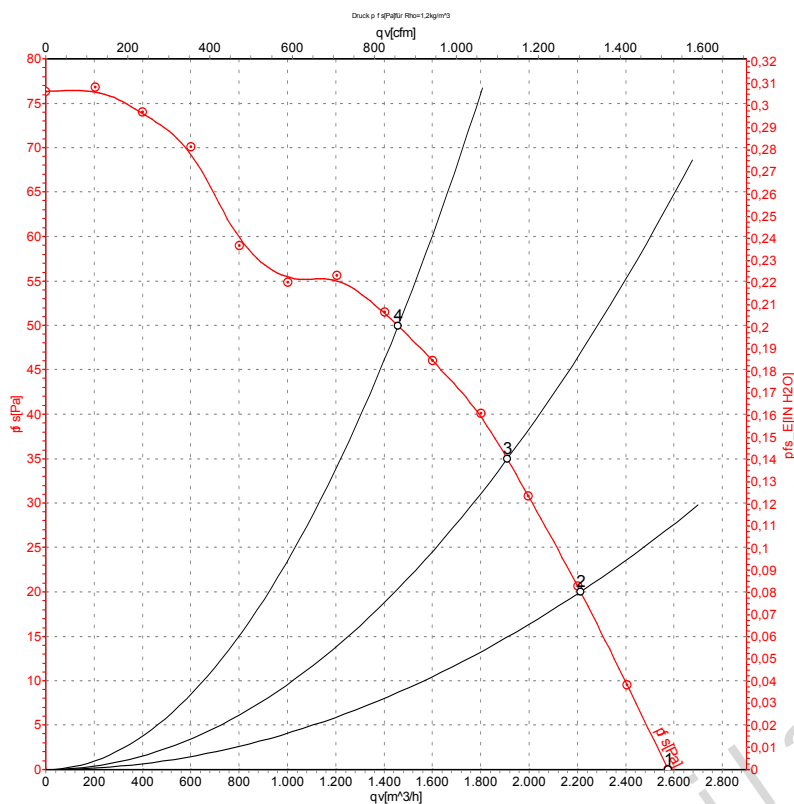
W6E350-CN24-30

AC axial fan - HyBlade®

sickled blades (S series)

Wall ring with guard grille

Charts: Air flow 60 Hz



Air performance measured as per ISO 5801
Installation category A. For detailed
information on the measuring set-up, please
contact ebm-papst. Suction-side noise
levels: LwA measured as per ISO 13347 /
LpA measured with 1m distance to fan axis.
The values given are valid under the
measuring conditions mentioned above and
may vary according to the actual installation
situation. With any deviation from the
standard set-up, the specific values have to
be checked and reviewed with the unit
installed.

Measured values

	U	f	n	P _e	I	LpA _{in}	LwA _{in}	qv	p _{ts}
	V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	m³/h	Pa
1	230	60	1090	83	0.37	55	62	2575	0
2	230	60	1070	87	0.38	53	60	2215	20
3	230	60	1050	90	0.39	51	58	1910	35
4	230	60	1020	95	0.42	48	56	1460	50

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · LpA_{in} = Sound pressure level inlet side · LwA_{in} = Sound power level inlet side · qv = Air flow
p_{ts} = Pressure increase