S4D350-AR06-30

AC axial fan

sickled blades (S series)

with guard grille for short nozzle



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Nominal data

Type	**S4D350-AR06-30**
Motor	**M4D068-EC**

Phase		3~	3~	3~	3~
Nominal voltage	[V]	230	230	400	400
Connection		**D**	**D**	Y	Y
Frequency	[Hz]	50	60	50	60
Type of data definition		rfa	rfa	rfa	rfa
Valid for approval / standard		CE	CE	CE	CE
Speed	[min^{-1}]	1420	1620	1420	1620
Power input	[W]	135	185	135	185
Current draw	[A]	0.73	0.64	0.42	0.37
Max. back pressure	[Pa]	120	145	120	145
Max. ambient temperature	[°C]	60	45	60	45

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

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Technical features

Leackage current	< 0.75 mA
Size	350 mm
Operation mode	S1
Direction of rotation	Counter-clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Humidity class	F5
Direction of air flow	"V"
Insulation class	"F"
Cable exit	Axial
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	4.7 kg
Material of blades	Sheet steel, coated in black
Material of guard grille	Steel, phosphated and coated in black plastic
Product conforming to standard	EN 60335-1, motor does not have factory-installed overheating protection
Surface of rotor	Coated in black
Number of blades	5
Type of protection	IP 44; Depending on installation and position as per EN 60034-5
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CCC

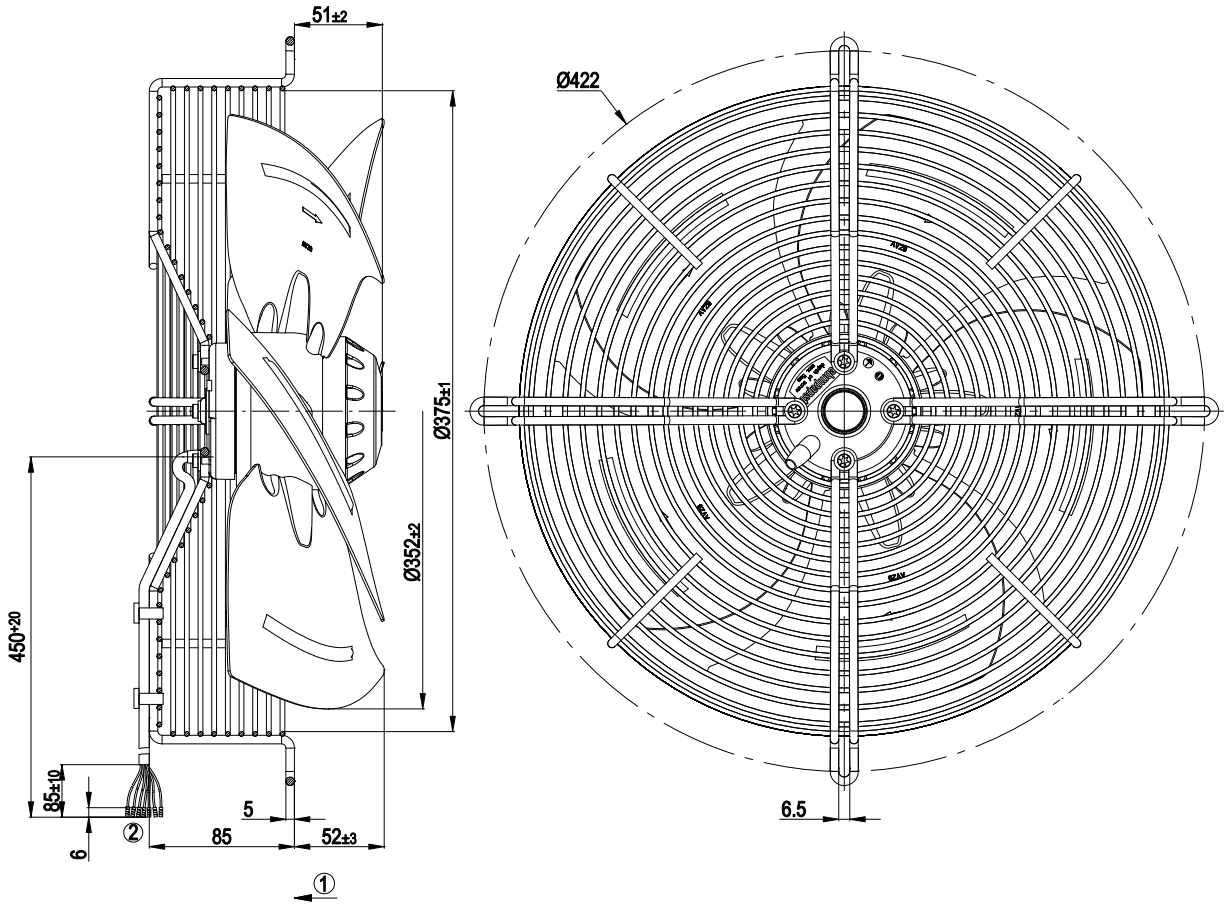
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Product drawing



1	Direction of air flow "V"
2	Connection line halogen- and silicone-free 7G 0.5mm², 7 x brass lead tips crimped

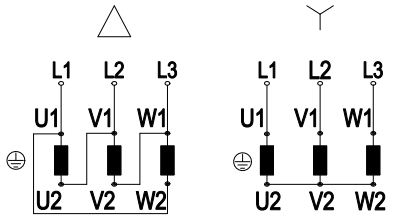
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Connection screen



Note: Direction of rotation changes when two phases are reversed

Δ	Delta connection	Y	Star connection	L1	black
L2	blue	L3	brown	U1	black
V1	blue	W1	brown	U2	green
V2	white	W2	yellow		

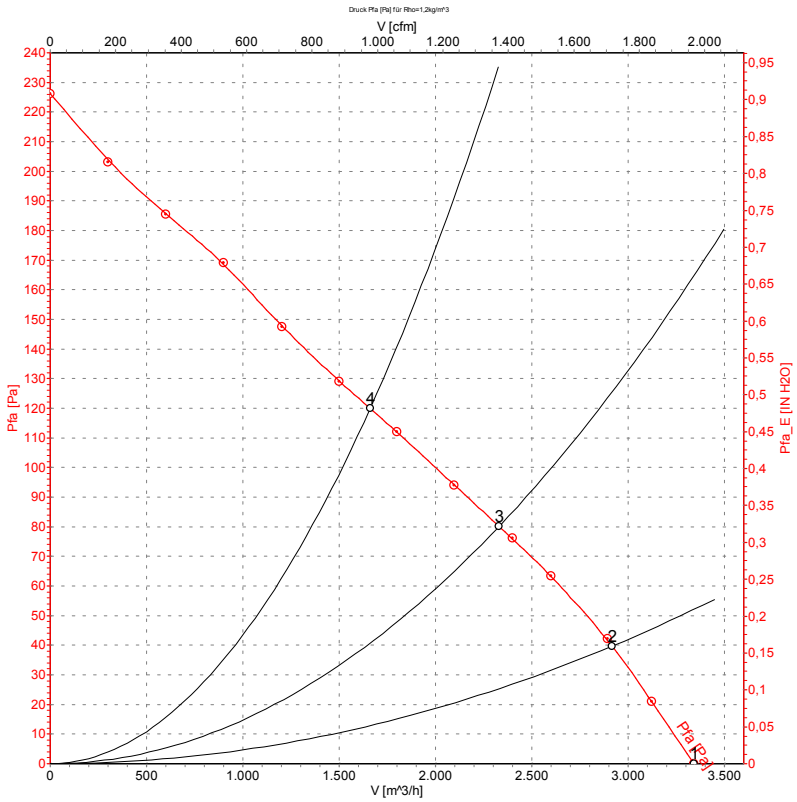
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Charts: Air flow 50 Hz



Measurement: LU-67369

Measured values

	U	f	n	P_1	I	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[m^3/h]	[Pa]
1	400	50	1420	135	0.42	3340	0
2	400	50	1405	153	0.41	2915	40
3	400	50	1385	170	0.42	2330	80
4	400	50	1345	207	0.44	1660	120

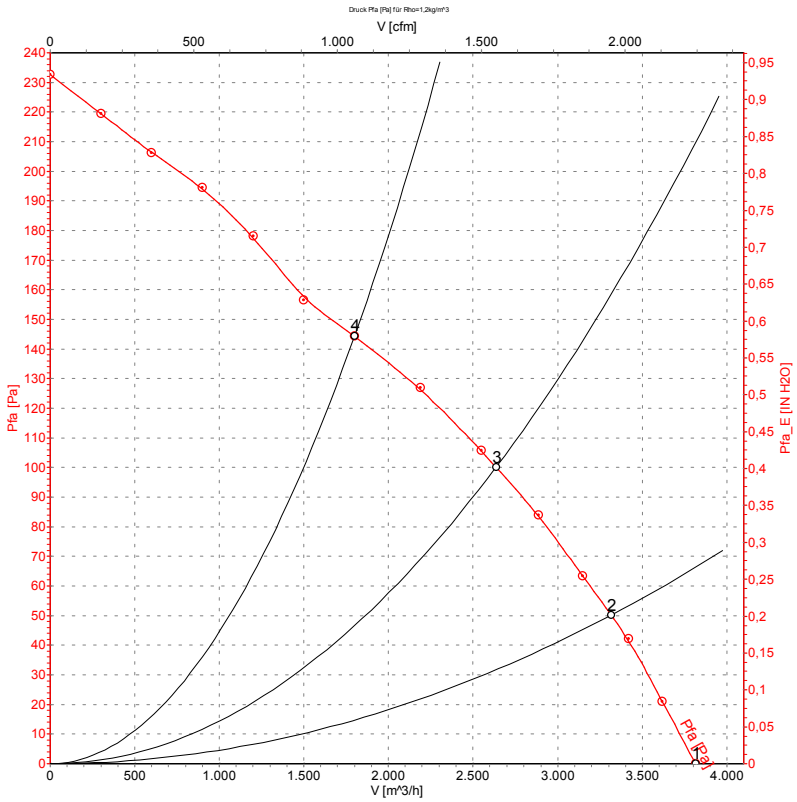
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Charts: Air flow 60 Hz



Measurement: LU-67370

Measured values

	U	f	n	P_1	I	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[m^3/h]	[Pa]
1	400	60	1620	185	0.37	3815	0
2	400	60	1590	208	0.39	3315	50
3	400	60	1560	233	0.42	2635	100
4	400	60	1455	303	0.51	1800	145

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