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**Nominal data**

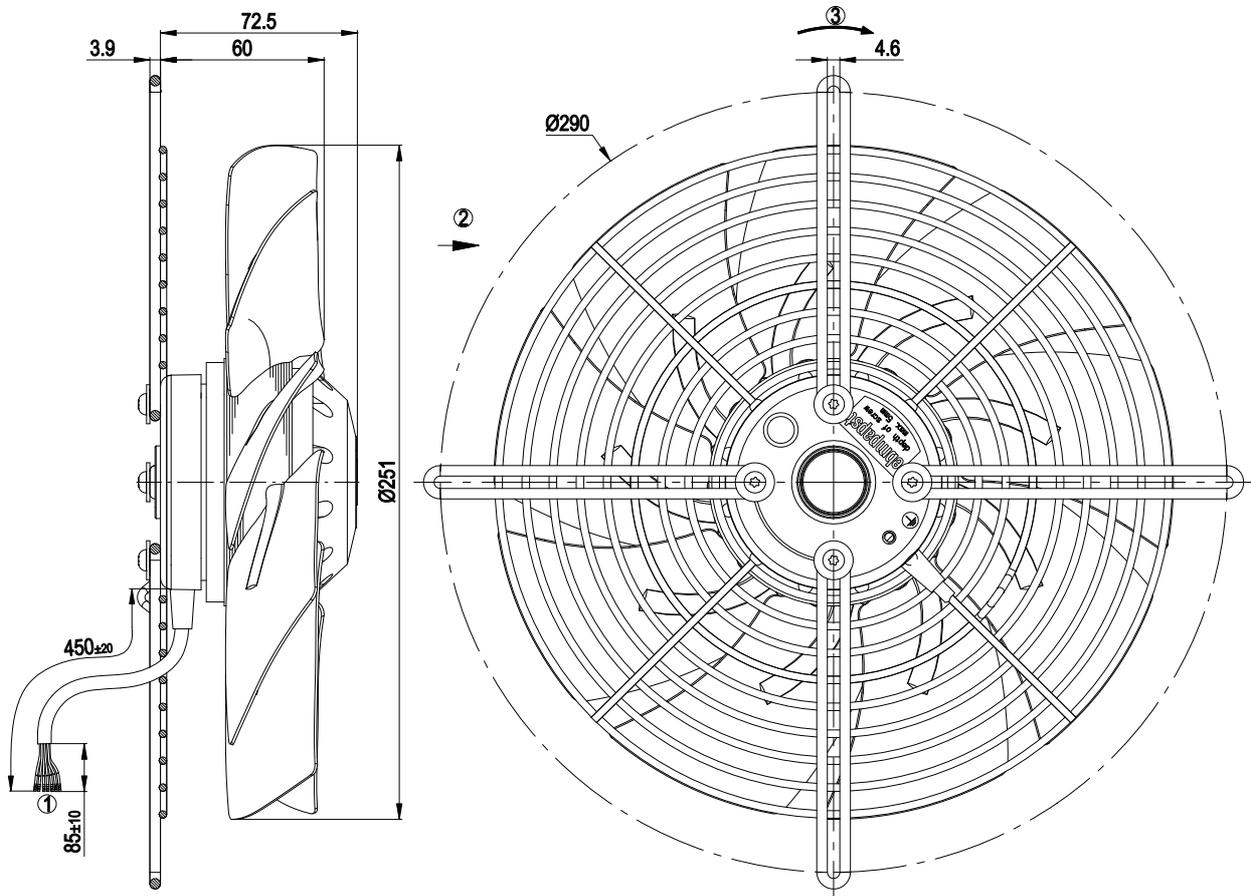
<b>Type</b>	<b>S2D250-BI02-01</b>		
<b>Motor</b>	<b>M2D068-CF</b>		
Phase		3~	3~
Nominal voltage	[V]	400	400
Connection		Y	Y
Frequency	[Hz]	50	60
Type of data definition		rfa	rfa
Valid for approval / standard		CE	CE
Speed	[min <sup>-1</sup> ]	2500	2650
Power input	[W]	100	140
Current draw	[A]	0.20	0.23
Max. back pressure	[Pa]	150	150
Max. ambient temperature	[°C]	65	45
Air flow	[m <sup>3</sup> /h]	1830	1950
Back pressure	[Pa]	0	0
Sound pressure level	[dB(A)]	69	70

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

**Technical features**

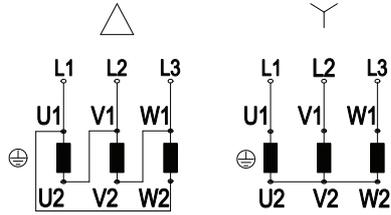
<b>Leakage current</b>	< 0,75 mA
<b>Size</b>	250 mm
<b>Operation mode</b>	S1
<b>Mounting position</b>	Shaft horizontal or rotor on bottom; rotor on top on request
<b>Direction of rotation</b>	Counter-clockwise, seen on rotor
<b>Insulation class</b>	"B"
<b>Cable exit</b>	Lateral
<b>Condensate discharge holes</b>	Rotor-side
<b>Bearing-motor</b>	Ball bearing
<b>Mass</b>	2.1 kg
<b>Material of blades</b>	Sheet steel, coated in black
<b>Material of guard grille</b>	Steel, phosphated and coated in black plastic
<b>Product conforming to standard</b>	EN 60335-1
<b>Surface of rotor</b>	Coated in black
<b>Number of blades</b>	7
<b>Type of protection</b>	IP 44
<b>Protection class</b>	I
<b>Approval</b>	CCC

Product drawing



- |   |   |
|---|---|
| 1 | Connection line PVC, 7x crimped core-end sleeves      |
| 2 | Direction of air flow "A"                             |
| 3 | Direction of rotation counterclockwise, seen on rotor |

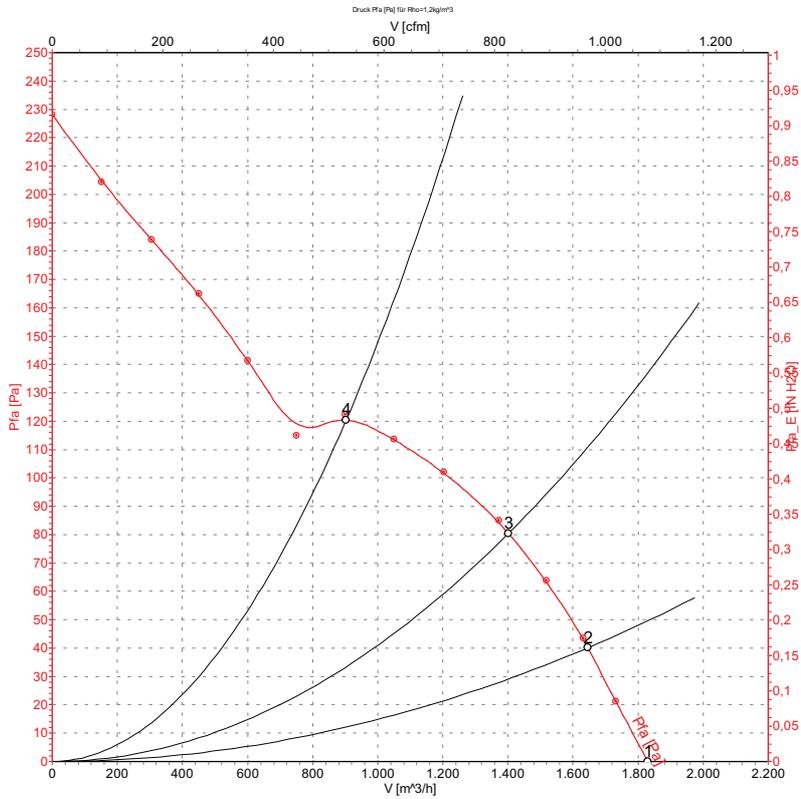
Connection screen



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		

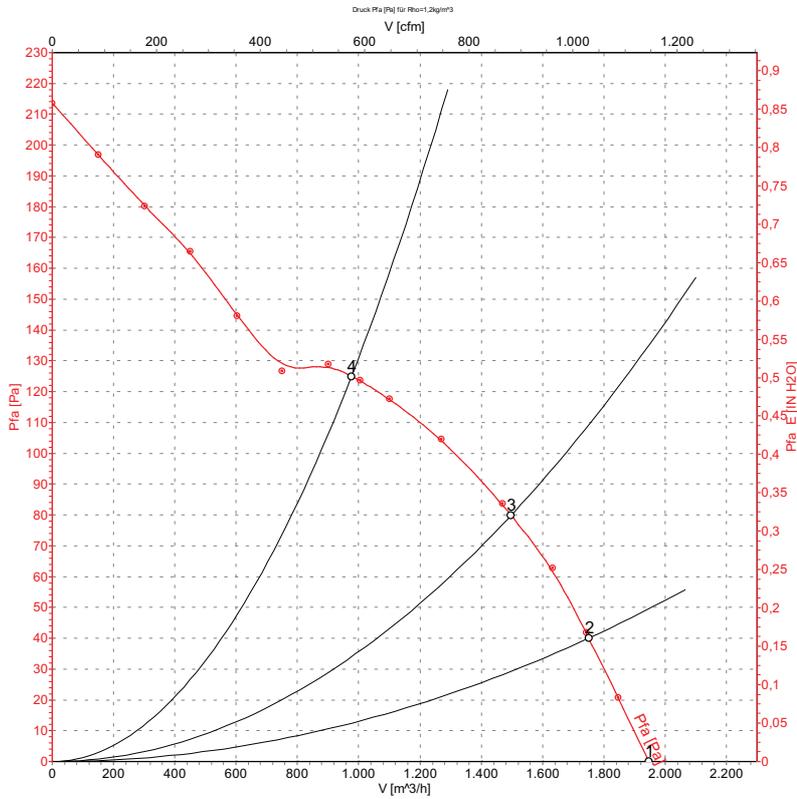
Charts: Air flow 50 Hz



Measured values

	U	f	n	P <sub>1</sub>	I	$\hat{V}$	P <sub>fa</sub>
	[V]	[Hz]	[min <sup>-1</sup> ]	[W]	[A]	[m <sup>3</sup> /h]	[Pa]
1	400	50	2500	100	0.20	1830	0
2	400	50	2425	111	0.21	1645	40
3	400	50	2360	120	0.21	1400	81
4	400	50	2310	127	0.22	905	122

Charts: Air flow 60 Hz



Measured values

	U	f	n	P <sub>1</sub>	I	Ṃ	P <sub>fa</sub>
	[V]	[Hz]	[min <sup>-1</sup> ]	[W]	[A]	[m³/h]	[Pa]
1	400	60	2650	140	0.23	1950	0
2	400	60	2545	148	0.24	1750	40
3	400	60	2450	158	0.25	1495	80
4	400	60	2350	166	0.26	975	125