

**ebm-papst Mulfingen GmbH & Co. KG**

Bachmühle 2

74673 Mulfingen

Phone: +49 7938 81-0

Fax: +49 7938 81-110

www.fansco.com

sales@fansco.com

**Nominal data**

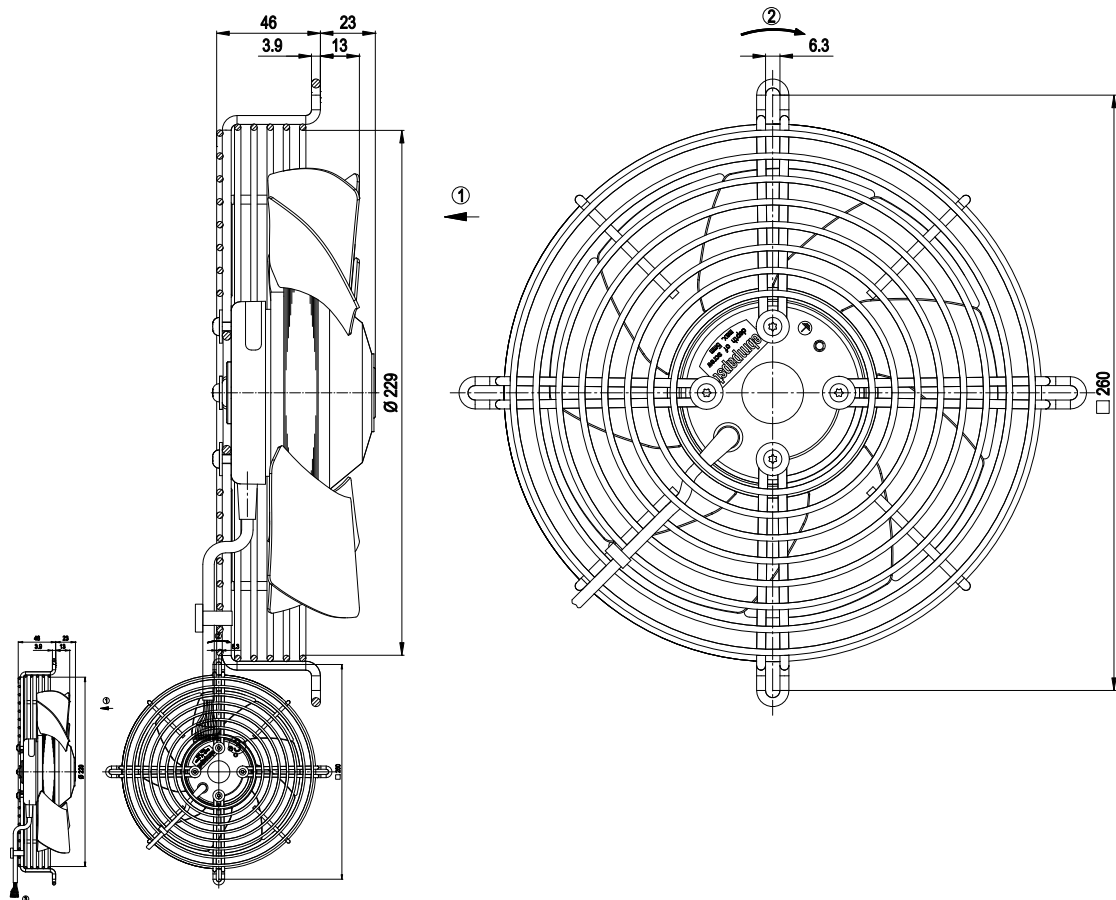
<b>Type</b>	<b>S2D200-AH18-01</b>		
<b>Motor</b>	<b>M2D068-BC</b>		
Phase		3~	3~
Nominal voltage	[V]	400	400
Connection		Y	Y
Frequency	[Hz]	50	60
Type of data definition		rfa	rfa
Valid for approval / standard		CE	CE
Speed	[min <sup>-1</sup> ]	2600	2900
Power input	[W]	68	70
Current draw	[A]	0.17	0.13
Max. back pressure	[Pa]	140	140
Max. ambient temperature	[°C]	45	70
Air flow	[m <sup>3</sup> /h]	940	1020
Back pressure	[Pa]	0	0
Sound pressure level	[dB(A)]	59	61

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

**Technical features**

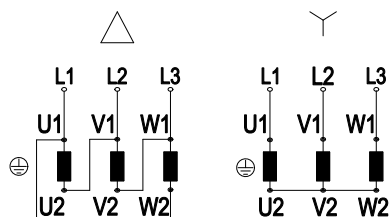
<b>Leakage current</b>	< 0,75 mA
<b>Size</b>	200 mm
<b>Operation mode</b>	S1
<b>Mounting position</b>	Shaft horizontal or rotor on bottom; rotor on top on request
<b>Direction of air flow</b>	"V"
<b>Insulation class</b>	"B"; Acc. to EN 60335-1
<b>Cable exit</b>	Lateral
<b>Condensate discharge holes</b>	Rotor-side
<b>Bearing-motor</b>	Ball bearing
<b>Mass</b>	1.83 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>	CE; EN 60335-1
<b>Surface of rotor</b>	Coated in black
<b>Number of blades</b>	9
<b>Type of protection</b>	IP 44
<b>Protection class</b>	I
<b>Approval</b>	CCC

## Product drawing



1	Direction of air flow "V"
2	Direction of rotation counterclockwise, seen on rotor
3	Connection line PVC, 7G, cable length 450 mm, 85 mm stripped, brass lead tips crimped

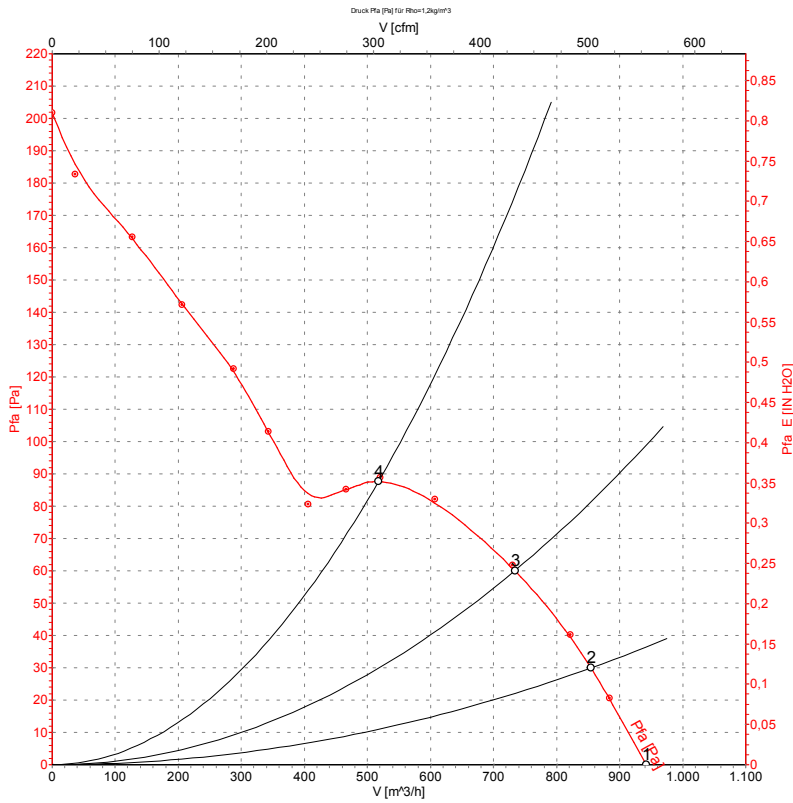
## Connection screen



Note: Direction of rotation changes when two phases are reversed

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

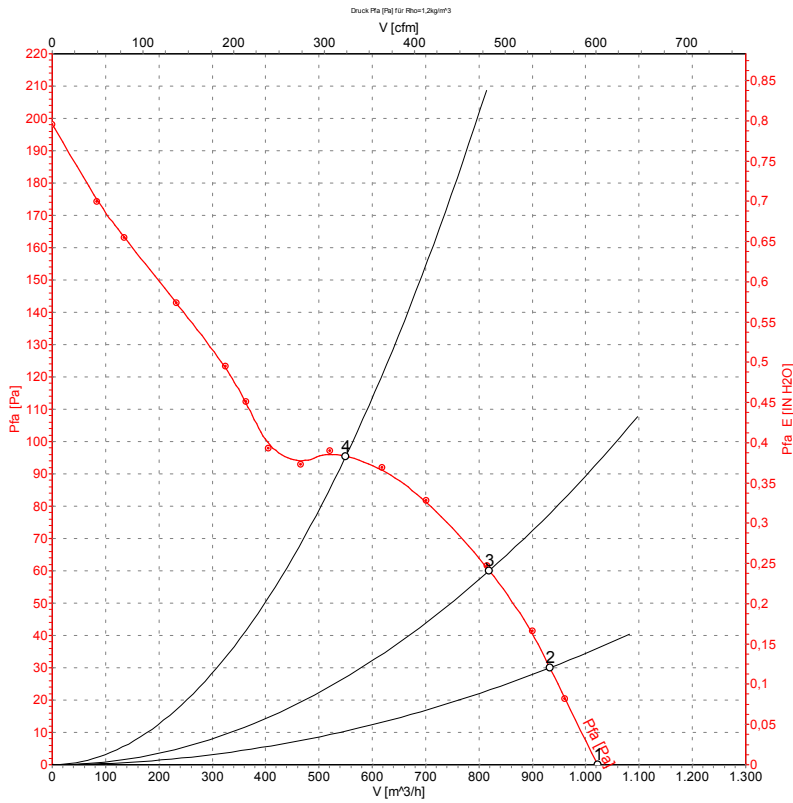
Charts: Air flow 50 Hz



Measured values

	U	f	n	$P_1$	I	$\hat{V}$	$P_{fa}$
	[V]	[Hz]	[min <sup>-1</sup> ]	[W]	[A]	[m <sup>3</sup> /h]	[Pa]
1	400	50	2600	68	0.17	940	0
2	400	50	2550	69	0.17	855	30
3	400	50	2500	72	0.17	735	61
4	400	50	2460	75	0.17	515	89

Charts: Air flow 60 Hz



Measured values

	U	f	n	$P_1$	I	$\hat{V}$	$P_{fa}$
	[V]	[Hz]	[min <sup>-1</sup> ]	[W]	[A]	[m³/h]	[Pa]
1	400	60	2815	70	0.13	1020	0
2	400	60	2745	73	0.14	935	30
3	400	60	2670	77	0.14	820	61
4	400	60	2595	81	0.15	550	96