



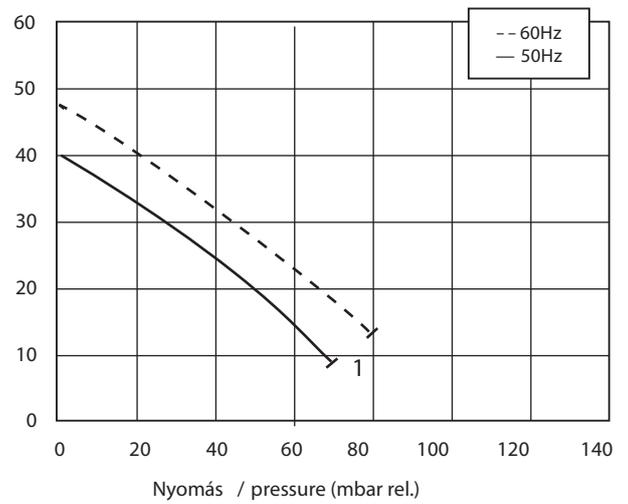
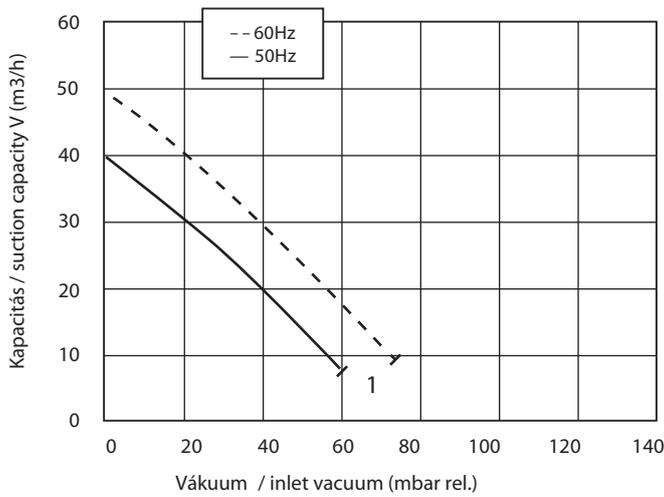
# EGYFOKOZATÚ OLDALCSATORNÁS FÚVÓ

## Single Stage Side Channel Blower

### 101MG SERIES

Performance curve for vacuum pump

Performance curve for compressor



A kapacitások szívó oldali standard állapotú (20 °C és 1013 mbar abs.) levegőre vonatkoznak. Tolerancia ±10%.  
Flow rates refer to air at standard suction conditions of 20° C and 1013 mbar abs. Tolerance on flow rate values ±10%.

## Selection and ordering data

### 101MG SERIES

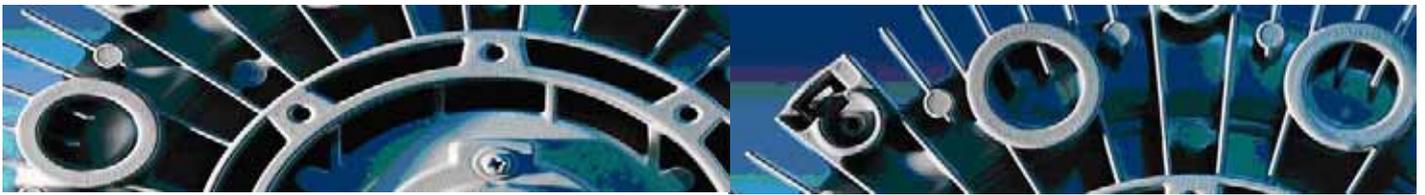
curve No	MODEL	Single double stage	Freq Hz	Output power Kw	voltage V	Rated current A	Max airflow m3/h	Max static suction mbar	Max static pressure mbar	Noise dB(A)	Dimension L X W X H mm	weight Kg
1	101MG0.2T	single	50	0.2	200-240△ 345-415Y	1.0△/0.6Y	40	-60	70	50	220 x 200 x 215	6
			60	0.23	220-275△ 380-480Y	1.0△/0.6Y	50	-70	80	51		6
1	101MG0.2M	single	50	0.2	200-240V	1.43	40	-60	70	50	220 x 200 x 215	6
			60	0.23	200-240V	1.3	50	-70	80	51		6



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**AXIS** Mérnöki és Gazdasági Tanácsadó Kft.

www.vakuumshivattyuk.hu

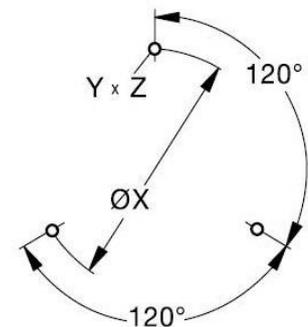
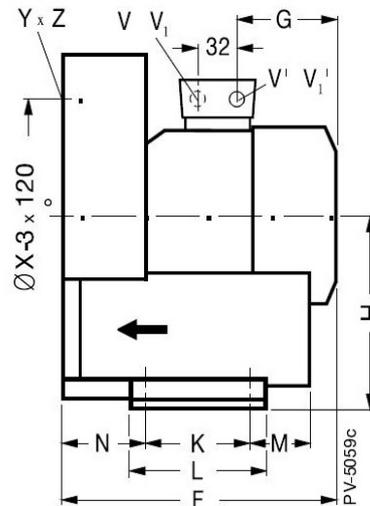
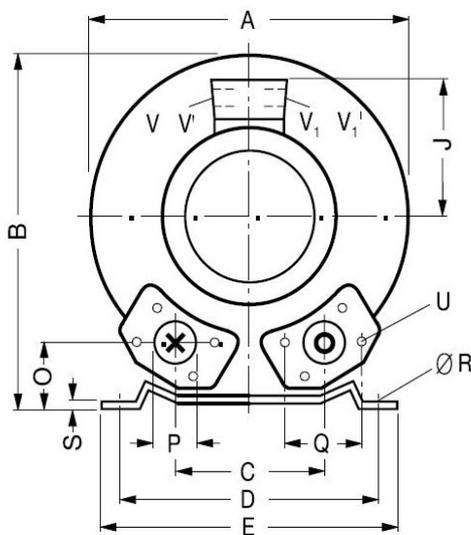


AXIS MG series can be applied both as a vacuum pump or a compressor in continuous operation over the total stated performance curve range. The motors are available for the input voltage range of 50 and 60 Hz.

The blowers' protection category is IP 54, temperature class F and they are approved for EC and ROHS. Furthermore they are designed according to DIN EN 60 034 / IEC 34-1.

The side channel blower or exhauster increases the pressure of the aspirated gas by the creation of a series of vortices in the peripheral toroidal (side) channel. The vanes force the gas forward and outward, producing a helical gas motion. These machines are used when the required pressure (up to +1000 mbar) or vacuum (down to - 700 mbar) is considerably higher than what can be achieved by a fan. Impeller assembled directly on the motor shaft; No metal to metal contact, thus no internal lubrication; Totally uncontaminated and oil-free gas; Dynamically balanced rotating parts to ensure absolute absence of vibration; Low noise; Virtually maintenance free; Pulsation free discharge; Full die-cast aluminium construction for maximum sturdiness and light weight; 1 year warranty.

## Dimensions for installation



Hole pattern cover

MODEL	phase	Curve	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR
101MG0.2M	1	1	198	212	85	179	196	220	108	115	100	65	90	40	45	34	G1	60	8.5
0.2T	3	1																	
MODEL	phase	Curve	S	U	V	V'	V1	V1'	Y x Z	X-holes	ØX								
101MG0.2M	1	1	2	M6 x 17						M6 x 15	0°/120°/240°	Ø119							
0.2T	3	1																	



vacuum pump | blower

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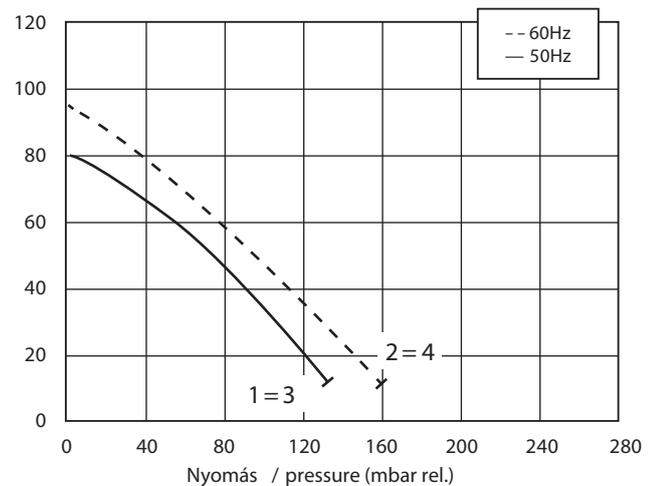
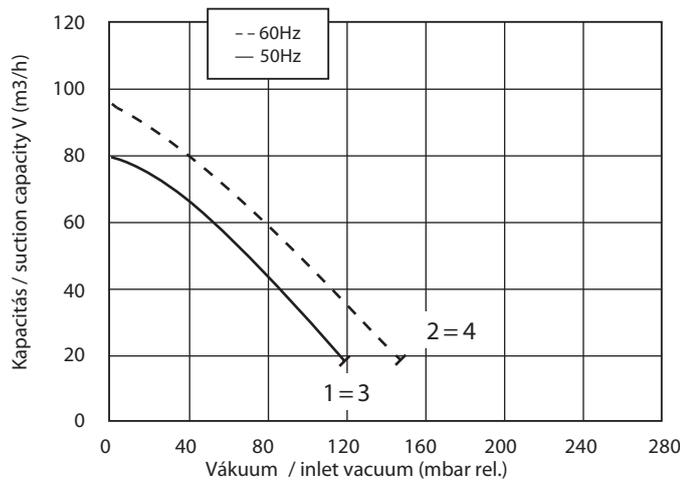
# EGYFOKOZATÚ OLDALCSATORNÁS FÚVÓ

## Single Stage Side Channel Blower

### 201MG SERIES

Performance curve for vacuum pump

Performance curve for compressor



A kapacitások szívó oldali standard állapotú (20 °C és 1013 mbar abs.) levegőre vonatkoznak. Tolerancia ±10%.  
Flow rates refer to air at standard suction conditions of 20 °C and 1013 mbar abs. Tolerance on flow rate values ±10%.

### Selection and ordering data

#### 201MG SERIES

curve No	MODEL	Single double stage	Freq Hz	Output power Kw	voltage V	Rated current A	Max airflow m3/h	Max static suction mbar	Max static pressure mbar	Noise dB(A)	Dimension L X W X H mm	weight Kg
1	201MG0.4T	single	50	0.4	200-240△ 345-415Y	2.6△/1.5Y	80	-120	130	53	256 x 246 x 247	10
2			60	0.5	220-275△ 380-480Y	2.6△/1.5Y	98	-150	160	56		10
3	201MG0.4M	single	50	0.4	200-240V	2.7	80	-120	130	53	256 x 246 x 247	11
4			60	0.5	200-240V	3.2	98	-150	160	56		11



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AXIS Mérnöki és Gazdasági Tanácsadó Kft.

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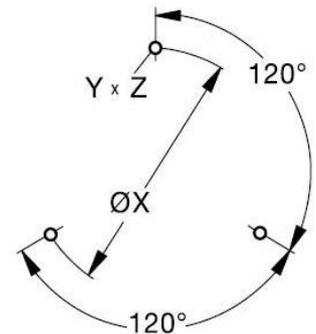
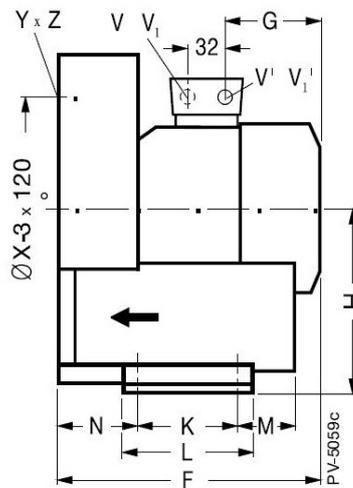
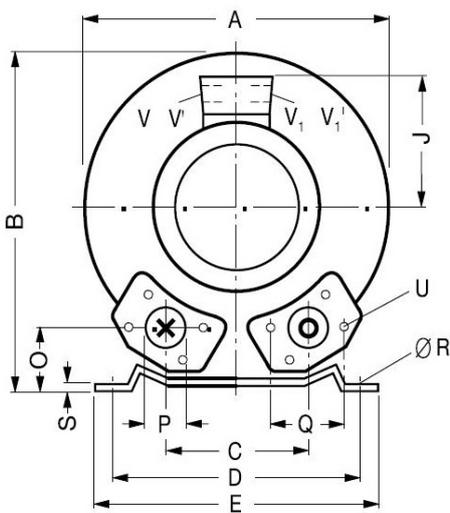


AXIS MG series can be applied both as a vacuum pump or a compressor in continuous operation over the total stated performance curve range. The motors are available for the input voltage range of 50 and 60 Hz.

The blowers' protection category is IP 54, temperature class F and they are approved for EC and ROHS. Furthermore they are designed according to DIN EN 60 034 / IEC 34-1.

The side channel blower or exhauster increases the pressure of the aspirated gas by the creation of a series of vortexes in the peripheral toroidal (side) channel. The vanes force the gas forward and outward, producing a helical gas motion. These machines are used when the required pressure (up to +1000 mbar) or vacuum (down to - 700 mbar) is considerably higher than what can be achieved by a fan. Impeller assembled directly on the motor shaft; No metal to metal contact, thus no internal lubrication; Totally uncontaminated and oil-free gas; Dynamically balanced rotating parts to ensure absolute absence of vibration; Low noise; Virtually maintenance free; Pulsation free discharge; Full die-cast aluminium construction for maximum sturdiness and light weight; 1 year warranty.

## Dimensions for installation



Hole pattern cover

MODEL	phase	Curve	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR
201MG0.4M	1	3 / 4	246	247	90	205	230	256	133	128	111	83	108	75	71	39	G1¼	64	10
0.4T	3	1 / 2						256	129		111								
MODEL	phase	Curve	S	U	V	V'	V1	V1'	Y x Z	X-holes	ØX								
201MG0.4M	1	3 / 4	2.5	M6 x 17	M6 x 1.5	M25 x 1.5	M25 x 1.5	M16 x 1.5	M6 x 15	0°/120°/240°	Ø140								
0.4T	3	1 / 2																	



vacuum pump | blower

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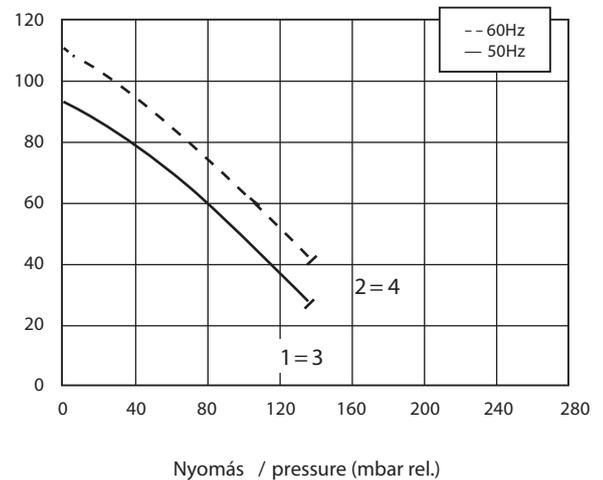
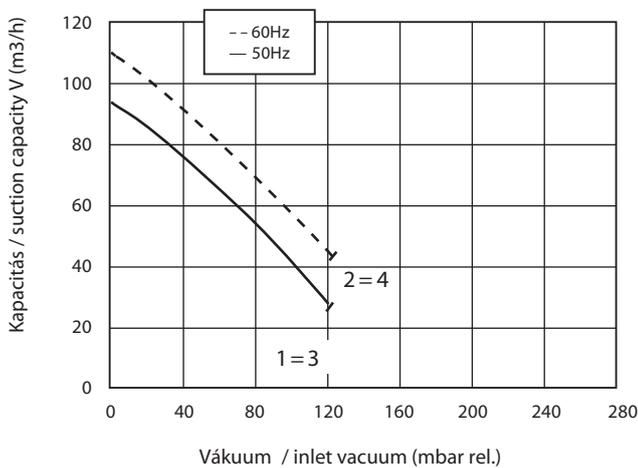
# EGYFOKOZATÚ OLDALCSATORNÁS FÚVÓ

## Single Stage Side Channel Blower

### 301MG SERIES

Performance curve for vacuum pump

Performance curve for compressor



A kapacitások szívó oldali standard állapotú (20 °C és 1013 mbar abs.) levegőre vonatkoznak. Tolerancia ±10%.  
Flow rates refer to air at standard suction conditions of 20° C and 1013 mbar abs. Tolerance on flow rate values ±10%.

### Selection and ordering data

#### 301MG SERIES

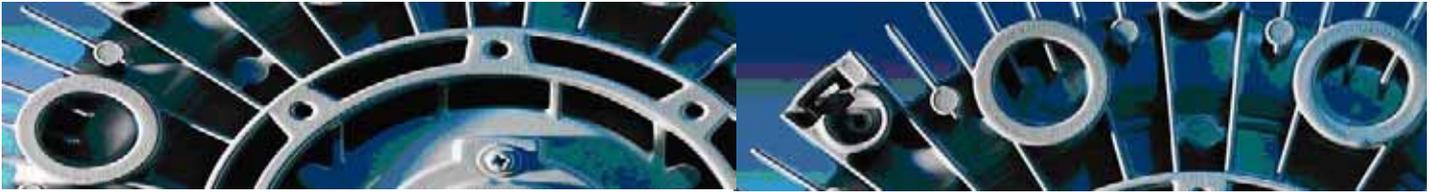
curve No	MODEL	Single double stage	Freq Hz	Output power Kw	voltage V	Rated current A	Max airflow m3/h	Max static suction mbar	Max static pressure mbar	Noise dB(A)	Dimension L X W X H mm	weight Kg
1	301MG0.5T	single	50	0.55	200-240△ 345-415Y	2.4△/1.7Y	95	-120	130	57	245 x 261 x 266	12
2			60	0.62	220-275△ 380-480Y	2.6△/1.5Y	110	-120	130	60		12
3	301MG0.5M	single	50	0.55	220-240V	3.7	95	-120	130	57	245 x 261 x 266	12
4			60	0.62	220-240V	4.9	110	-120	130	60		12



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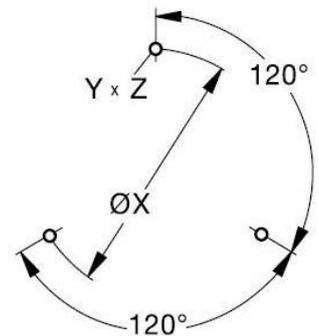
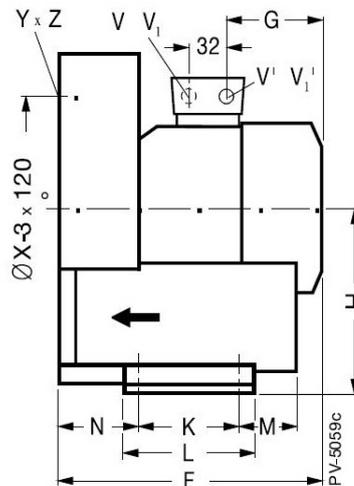
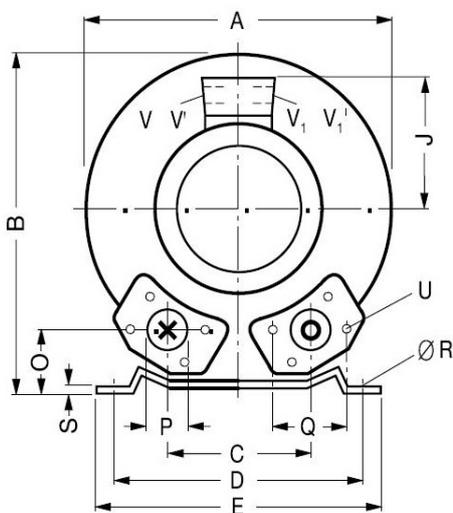


AXIS MG series can be applied both as a vacuum pump or a compressor in continuous operation over the total stated performance curve range. The motors are available for the input voltage range of 50 and 60 Hz.

The blowers' protection category is IP 54, temperature class F and they are approved for EC and ROHS. Furthermore they are designed according to DIN EN 60 034 / IEC 34-1.

The side channel blower or exhauster increases the pressure of the aspirated gas by the creation of a series of vortices in the peripheral toroidal (side) channel. The vanes force the gas forward and outward, producing a helical gas motion. These machines are used when the required pressure (up to +1000 mbar) or vacuum (down to - 700 mbar) is considerably higher than what can be achieved by a fan. Impeller assembled directly on the motor shaft; No metal to metal contact, thus no internal lubrication; Totally uncontaminated and oil-free gas; Dynamically balanced rotating parts to ensure absolute absence of vibration; Low noise; Virtually maintenance free; Pulsation free discharge; Full die-cast aluminium construction for maximum sturdiness and light weight; 1 year warranty.

## Dimensions for installation



Hole pattern cover

MODEL	phase	Curve	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR
301MG0.5M	1	3 / 4	261	266	101	206	228	245	129	97	154	83	105	75	71	42	G1½	68	12
0.5T	3	1 / 2																	
MODEL	phase	Curve	S	U	V	V'	V1	V1'	Y x Z	X-holes	ØX								
301MG0.5M	1	3 / 4	3	M8 x 17						M6 x 15	0°/120°/240°	Ø158							
0.5T	3	1 / 2																	



vacuum pump | blower

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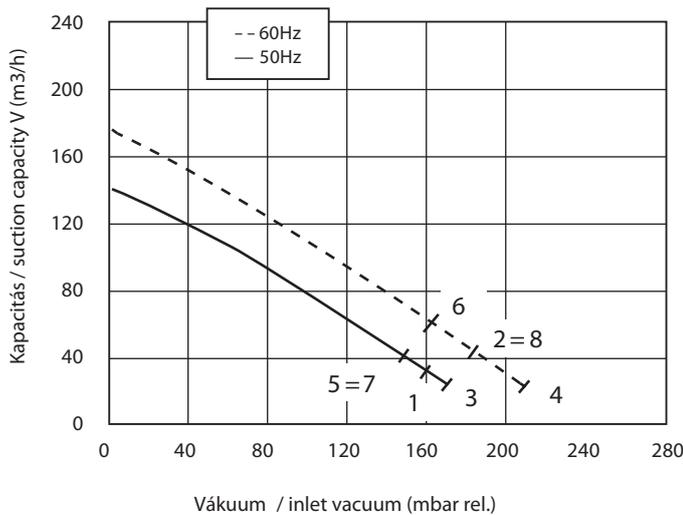


# EGYFOKOZATÚ OLDALCSATORNÁS FÚVÓ

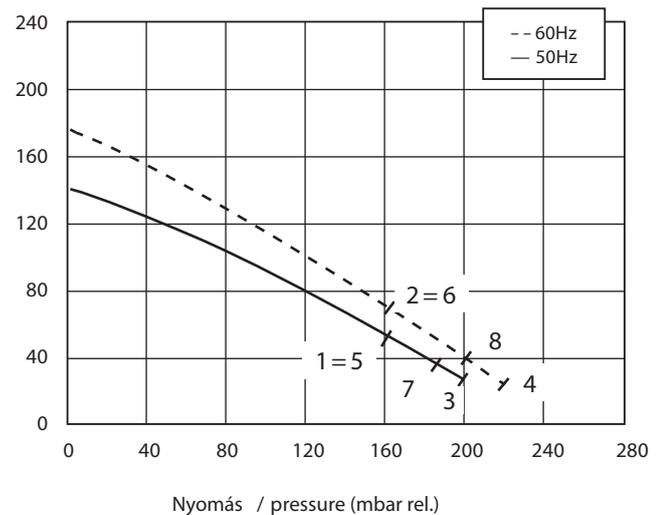
## Single Stage Side Channel Blower

### 401MG SERIES

Performance curve for vacuum pump



Performance curve for compressor



A kapacitások szívó oldali standard állapotú (20 °C és 1013 mbar abs.) levegőre vonatkoznak. Tolerancia ±10%.  
Flow rates refer to air at standard suction conditions of 20° C and 1013 mbar abs. Tolerance on flow rate values ±10%.

### Selection and ordering data

#### 401MG SERIES

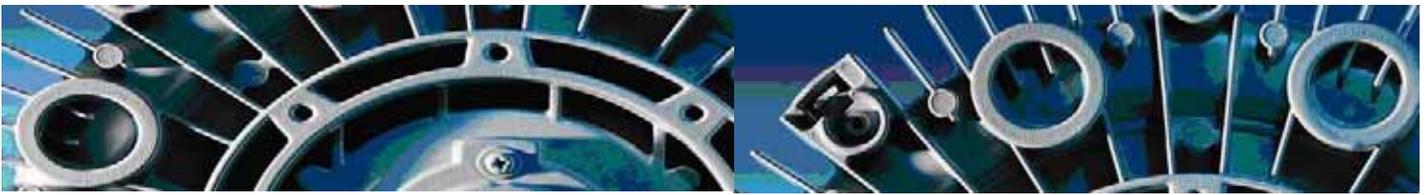
curve No	MODEL	Single double stage	Freq Hz	Output power Kw	voltage V	Rated current A	Max airflow m <sup>3</sup> /h	Max static suction mbar	Max static pressure mbar	Noise dB(A)	Dimension L X W X H mm	weight Kg
1	401MG0.85T	single	50	0.85	200-240△ 345-415Y	4.2△/2.4Y	145	-160	160	63	292 X 285 X 302	15
2			60	0.95	220-275△ 380-480Y	4.0△/2.3Y	175	-180	160	64		15
3	401MG1.3T		50	1.3	200-240△ 345-415Y	6.6△/3.8Y	145	-170	200	63		16
4			60	1.5	220-275△ 380-480Y	6.9△/4.0Y	175	-210	220	64		16
5	401MG0.85M	single	50	0.85	200-240V	5	145	-150	160	63	292 X 285 X 302	16
6			60	0.95	200-240V	5.8	175	-160	160	64		16
7	401MG1.3M		50	1.3	200-240V	7.3	145	-150	180	63		17
8			60	1.5	200-240V	7.8	175	-180	200	64		17



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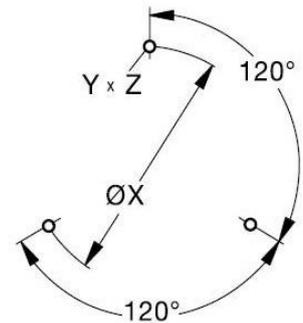
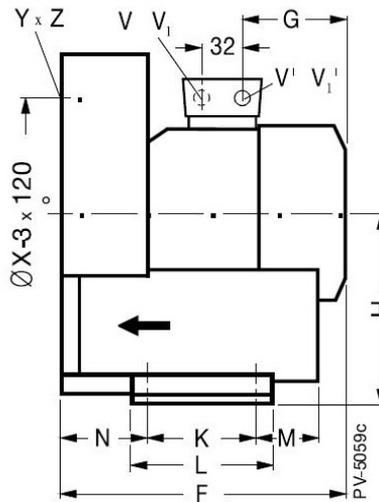
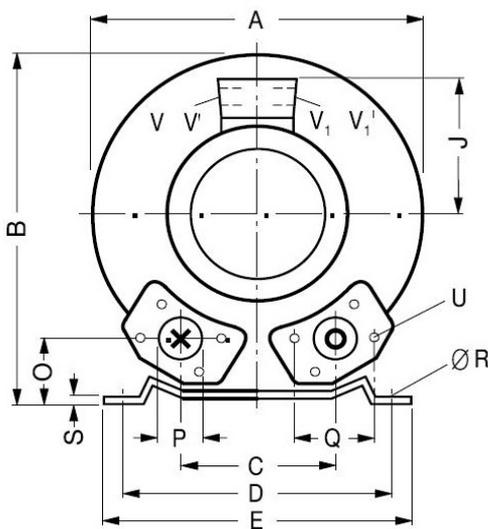


AXIS MG series can be applied both as a vacuum pump or a compressor in continuous operation over the total stated performance curve range. The motors are available for the input voltage range of 50 and 60 Hz.

The blowers' protection category is IP 54, temperature class F and they are approved for EC and ROHS. Furthermore they are designed according to DIN EN 60 034 / IEC 34-1.

The side channel blower or exhauster increases the pressure of the aspirated gas by the creation of a series of vortices in the peripheral toroidal (side) channel. The vanes force the gas forward and outward, producing a helical gas motion. These machines are used when the required pressure (up to +1000 mbar) or vacuum (down to - 700 mbar) is considerably higher than what can be achieved by a fan. Impeller assembled directly on the motor shaft; No metal to metal contact, thus no internal lubrication; Totally uncontaminated and oil-free gas; Dynamically balanced rotating parts to ensure absolute absence of vibration; Low noise; Virtually maintenance free; Pulsation free discharge; Full die-cast aluminium construction for maximum sturdiness and light weight; 1 year warranty.

### Dimensions for installation



Hole pattern cover

MODEL	phase	Curve	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR
401MG0.85M	1	5 / 6	285	302	115	225	255	292	156	154	120	95	130	70	75	46	G1½	68	12
1.3M	1	7 / 8																	
0.85T	3	1 / 2						292	153										
1.3T	3	3 / 4																	
MODEL	phase	Curve	S	U	V	V'	V1	V1'	Y x Z	X-holes	ØX								
401MG0.85M	1	5 / 6	3	M6 x 19	M6 x 1.5	M25 x 1.5	M25 x 1.5	M16 x 1.5	M6 x 15	0°/120°/240°	Ø174								
1.3M	1	7 / 8																	
0.85T	3	1 / 2																	
1.3T	3	3 / 4																	



vacuum pump | blower

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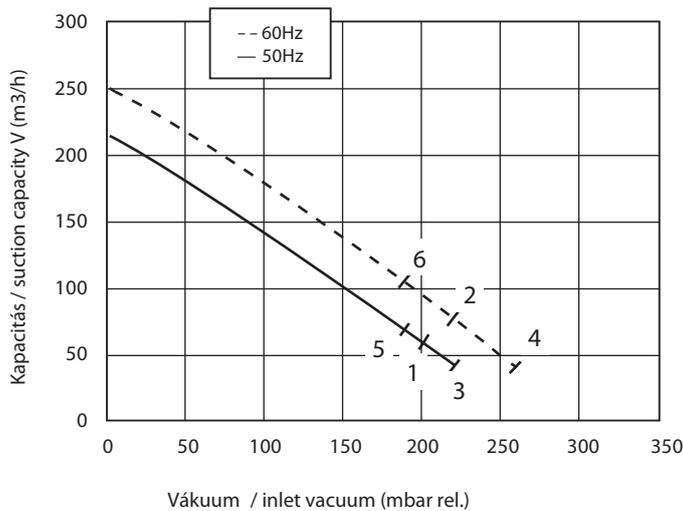


# EGYFOKOZATÚ OLDALCSATORNÁS FÚVÓ

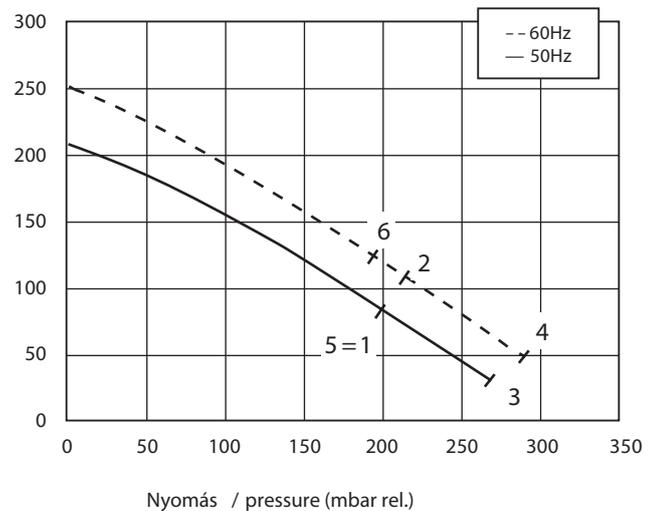
## Single Stage Side Channel Blower

### 501MG SERIES

Performance curve for vacuum pump



Performance curve for compressor



A kapacitások szívó oldali standard állapotú (20 °C és 1013 mbar abs.) levegőre vonatkoznak. Tolerancia ±10%.  
Flow rates refer to air at standard suction conditions of 20° C and 1013 mbar abs. Tolerance on flow rate values ±10%.

### Selection and ordering data

#### 501MG SERIES

curve No	MODEL	Single double stage	Freq Hz	Output power Kw	voltage V	Rated current A	Max airflow m3/h	Max static suction mbar	Max static pressure mbar	Noise dB(A)	Dimension L X W X H mm	weight Kg
1	501MG1.6T	single	50	1.6	200-240△ 345-415Y	7.5△/4.3Y	210	-200	190	64	346 X 334 X 337	21
2			60	2.1	220-275△ 380-480Y	7.6△/4.4Y	255	-220	210	70		21
3	501MG2.2T		50	2.2	200-240△ 345-415Y	9.7△/5.6Y	210	-220	270	64		25
4			60	2.55	220-275△ 380-480Y	10.3△/6.0Y	255	-260	290	70		25
5	501MG1.5M	single	50	1.5	200-240V	9	210	-190	190	64	346 X 334 X 337	24
6			60	1.75	200-240V	9.5	255	-190	180	70		24



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**AXIS** Mérnöki és Gazdasági Tanácsadó Kft.

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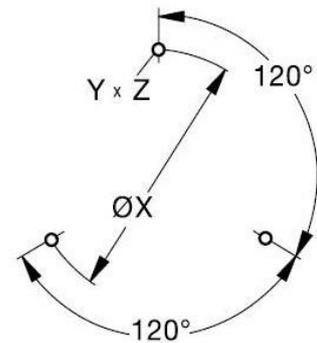
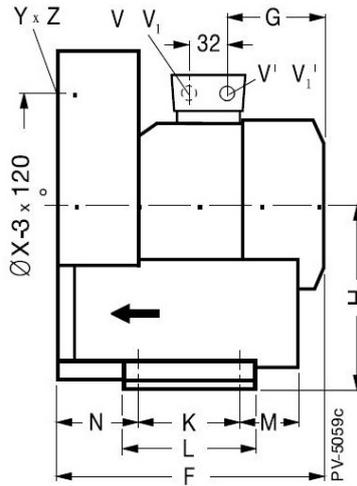
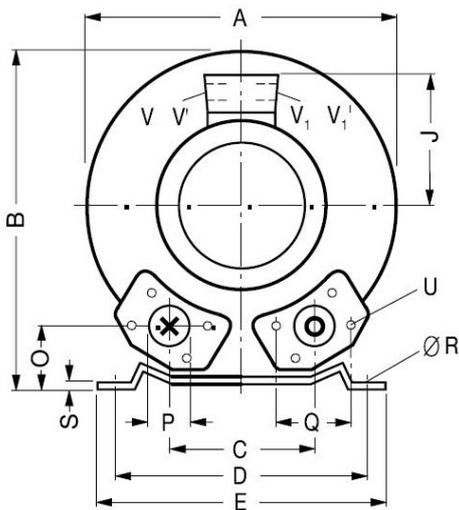


AXIS MG series can be applied both as a vacuum pump or a compressor in continuous operation over the total stated performance curve range. The motors are available for the input voltage range of 50 and 60 Hz.

The blowers' protection category is IP 54, temperature class F and they are approved for EC and ROHS. Furthermore they are designed according to DIN EN 60 034 / IEC 34-1.

The side channel blower or exhauster increases the pressure of the aspirated gas by the creation of a series of vortices in the peripheral toroidal (side) channel. The vanes force the gas forward and outward, producing a helical gas motion. These machines are used when the required pressure (up to +1000 mbar) or vacuum (down to -700 mbar) is considerably higher than what can be achieved by a fan. Impeller assembled directly on the motor shaft; No metal to metal contact, thus no internal lubrication; Totally uncontaminated and oil-free gas; Dynamically balanced rotating parts to ensure absolute absence of vibration; Low noise; Virtually maintenance free; Pulsation free discharge; Full die-cast aluminium construction for maximum sturdiness and light weight; 1 year warranty.

## Dimensions for installation



Hole pattern cover

MODEL	phase	Curve	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR
501MG1.5M	1	5 / 6	334	337	120	260	295	346	188	175	128	115	155	96	87	48	G2	83	14
1.6T	3	1 / 2						346	185		128								
2.2T	3	3 / 4																	
MODEL	phase	Curve	S	U	V	V'	V1	V1'	Y x Z	X-holes	ØX								
501MG1.5M	1	5 / 6	4	M8 X 17	M16 X 1.5	M25 X 1.5	M25 X 1.5	M16 X 1.5	M8 x 20	0°/120°/240°	Ø200								
1.6T	3	1 / 2																	
2.2T	3	3 / 4																	



vacuum pump | blower

**AXIS** Mérnöki és Gazdasági Tanácsadó Kft.

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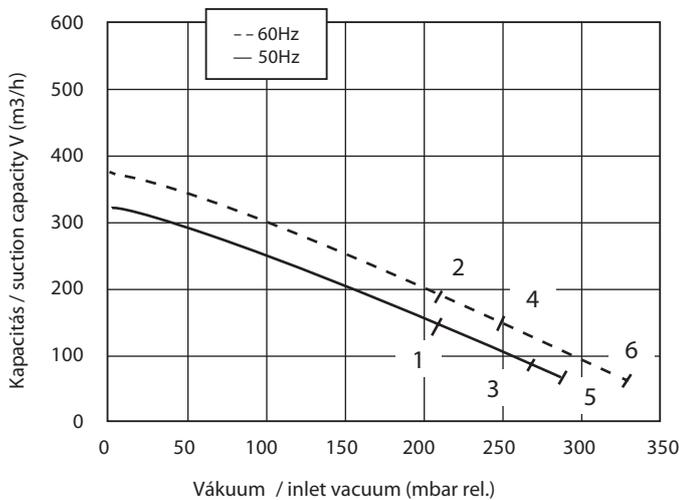


# EGYFOKOZATÚ OLDALCSATORNÁS FÚVÓ

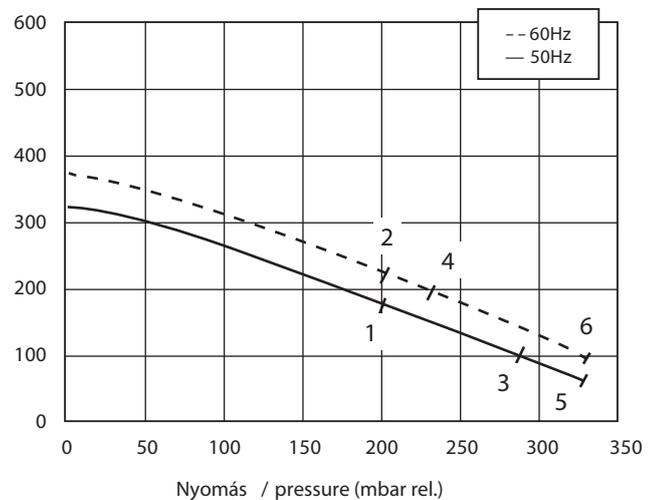
## Single Stage Side Channel Blower

### 601MG SERIES

Performance curve for vacuum pump



Performance curve for compressor



A kapacitások szívó oldali standard állapotú (20 °C és 1013 mbar abs.) levegőre vonatkoznak. Tolerancia ±10%.  
Flow rates refer to air at standard suction conditions of 20° C and 1013 mbar abs. Tolerance on flow rate values ±10%.

### Selection and ordering data

#### 601MG SERIES

curve No	MODEL	Single double stage	Freq Hz	Output power Kw	voltage V	Rated current A	Max airflow m3/h	Max static suction mbar	Max static pressure mbar	Noise dB(A)	Dimension L X W X H mm	weight Kg
1	601MG2.2T	single	50	2.2	200-240△ 345-415Y	10△/5.6Y	318	-210	200	69	377 X 382 X 384	29
2			60	2.55	220-275△ 380-480Y	10.3△/6.5Y	376	-210	200	72		29
3	601MG3.0T		50	3	200-240△ 345-415Y	12.5△/7.2Y	318	-270	290	69	411 X 382 X 384	34
4			60	3.45	220-275△ 380-480Y	12.5△/7.3Y	376	-250	230	72		34
5	601MG4.0T		50	4	345-415△	9.5△	318	-290	330	69	432 X 382 X 384	42
6			60	4.6	345-415△	9.5△	376	-330	330	72		42



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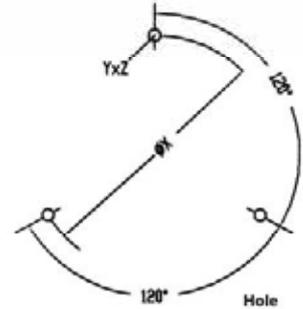
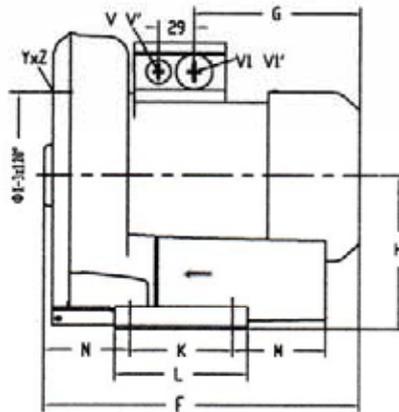
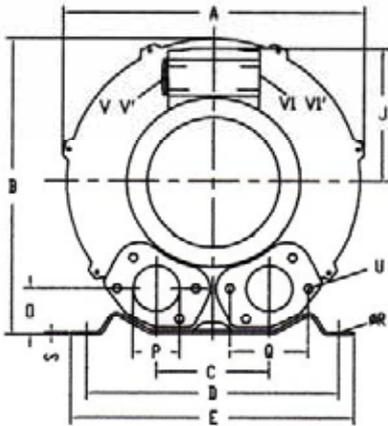


AXIS MG series can be applied both as a vacuum pump or a compressor in continuous operation over the total stated performance curve range. The motors are available for the input voltage range of 50 and 60 Hz.

The blowers' protection category is IP 54, temperature class F and they are approved for EC and ROHS. Furthermore they are designed according to DIN EN 60 034 / IEC 34-1.

The side channel blower or exhauster increases the pressure of the aspirated gas by the creation of a series of vortices in the peripheral toroidal (side) channel. The vanes force the gas forward and outward, producing a helical gas motion. These machines are used when the required pressure (up to +1000 mbar) or vacuum (down to - 700 mbar) is considerably higher than what can be achieved by a fan. Impeller assembled directly on the motor shaft; No metal to metal contact, thus no internal lubrication; Totally uncontaminated and oil-free gas; Dynamically balanced rotating parts to ensure absolute absence of vibration; Low noise; Virtually maintenance free; Pulsation free discharge; Full die-cast aluminium construction for maximum sturdiness and light weight; 1 year warranty.

### Dimensions for installation



MODEL	phase	Curve	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR
601MG2.2T	3	1 / 2	382	384	125	290	325	377	185	198	128	140	180	84	109	54	G2	83	15
3.0T	3	3 / 4						411	190		135								
4.0T	3	5 / 6						432	211		148								
MODEL	phase	Curve	S	U	V	V'	V1	V1'	Y x Z	X-holes	ØX								
601MG2.2T	3	1 / 2	4.5						M10 x 20	0°/120°/240°	Ø240								
3.0T	3	3 / 4			M32 x 1.5	M32 x 1.5	M32 x 1.5	M32 x 1.5											
4.0T	3	5 / 6																	



vacuum pump | blower

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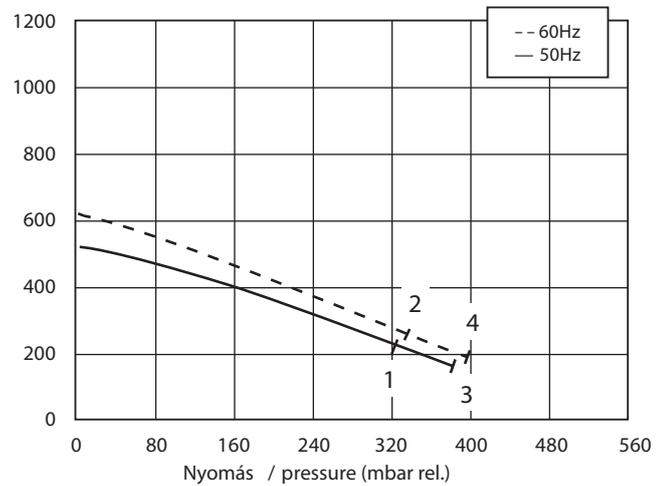
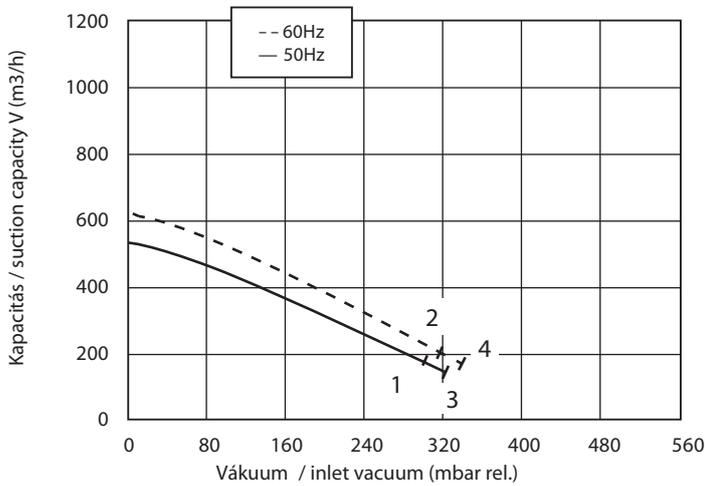
# EGYFOKOZATÚ OLDALCSATORNÁS FÚVÓ

## Single Stage Side Channel Blower

### 701MG SERIES

Performance curve for vacuum pump

Performance curve for compressor



A kapacitások szívó oldali standard állapotú (20 °C és 1013 mbar abs.) levegőre vonatkoznak. Tolerancia ±10%.  
Flow rates refer to air at standard suction conditions of 20° C and 1013 mbar abs. Tolerance on flow rate values ±10%.

### Selection and ordering data

#### 701MG SERIES

curve No	MODEL	Single double stage	Freq Hz	Output power Kw	voltage V	Rated current A	Max airflow m3/h	Max static suction mbar	Max static pressure mbar	Noise dB(A)	Dimension L X W X H mm	weight Kg
1	701MG5.5T	single	50	5.5	345-415△	13.3△	530	-300	320	80	485 X 442 X 462	65
2			60	6.3	345-415△	13.3△	620	-320	340	82		65
3	701MG7.5T		50	7.5	345-415△	16.7△	530	-320	380	80	485 X 442 X 462	68
4			60	8.6	345-415△	17.3△	620	-340	400	82		68



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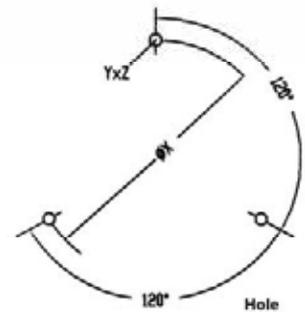
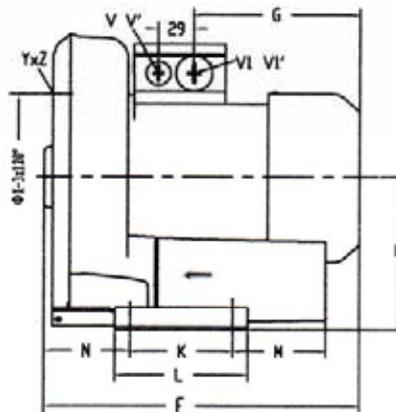
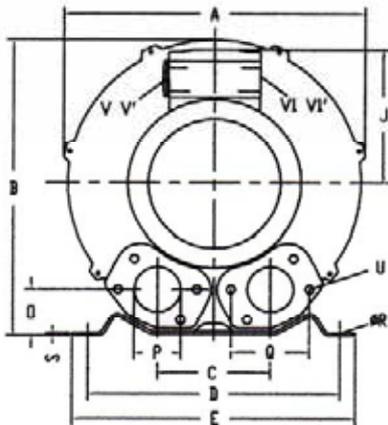


AXIS MG series can be applied both as a vacuum pump or a compressor in continuous operation over the total stated performance curve range. The motors are available for the input voltage range of 50 and 60 Hz.

The blowers' protection category is IP 54, temperature class F and they are approved for EC and ROHS. Furthermore they are designed according to DIN EN 60 034 / IEC 34-1.

The side channel blower or exhauster increases the pressure of the aspirated gas by the creation of a series of vortices in the peripheral toroidal (side) channel. The vanes force the gas forward and outward, producing a helical gas motion. These machines are used when the required pressure (up to +1000 mbar) or vacuum (down to - 700 mbar) is considerably higher than what can be achieved by a fan. Impeller assembled directly on the motor shaft; No metal to metal contact, thus no internal lubrication; Totally uncontaminated and oil-free gas; Dynamically balanced rotating parts to ensure absolute absence of vibration; Low noise; Virtually maintenance free; Pulsation free discharge; Full die-cast aluminium construction for maximum sturdiness and light weight; 1 year warranty.

## Dimensions for installation



MODEL	phase	Curve	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR
701MG5.5T	3	1 / 2	462	470	147	437	462	484	226	241	167	180	220	85	106	60	66	104	14
7.5T	3	3 / 4																	
MODEL	phase	Curve	S	U	V	V'	V1	V1'	Y x Z	X-holes	ØX								
701MG5.5T	3	1 / 2	4.5	M8 X 20					M10 x 20	0°/120°/240°	Ø273								
7.5T	3	3 / 4																	



vacuum pump | blower

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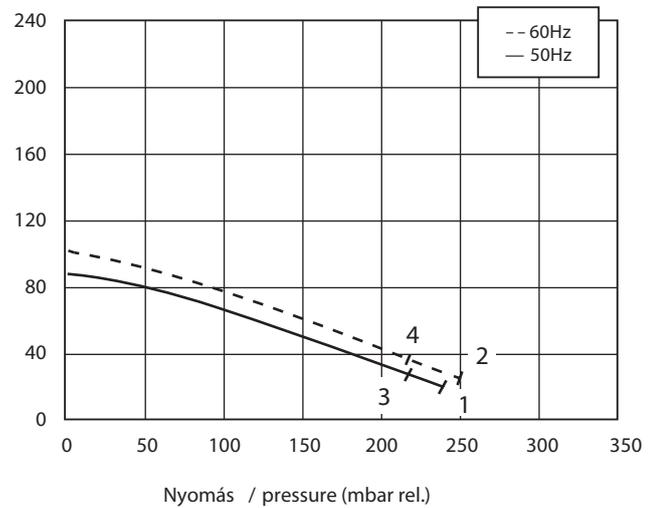
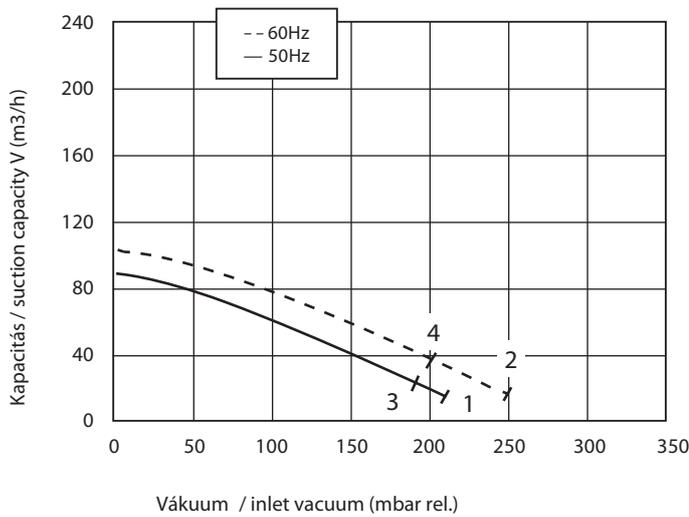
# KÉTFOKOZATÚ OLDALCSATORNÁS FÚVÓ

## Double Stage Side Channel Blower

### 302SG SERIES

Performance curve for vacuum pump

Performance curve for compressor



A kapacitások szívó oldali standard állapotú (20 °C és 1013 mbar abs.) levegőre vonatkoznak. Tolerancia ±10%.  
Flow rates refer to air at standard suction conditions of 20° C and 1013 mbar abs. Tolerance on flow rate values ±10%.

### Selection and ordering data

#### 302SG SERIES

curve No	MODEL	Single double stage	Freq Hz	Output power Kw	voltage V	Rated current A	Max airflow m3/h	Max static suction mbar	Max static pressure mbar	Noise dB(A)	Dimension L X W X H mm	weight Kg
1	302SG0.7T	double	50	0.7	200-240△ 345-415Y	3.8△/2.2Y	88	-210	240	55	316 X 284 X 270	14
2			60	0.83	220-275△ 380-480Y	3.75△/2.15Y	103	-250	250	61		14
3	302SG0.7M	double	50	0.7	200-240V	4.5	88	-190	220	55	316 X 284 X 270	15
4			60	0.83	200-240V	5.6	103	-200	220	61		15



vákuumszivattyúk | fúvók

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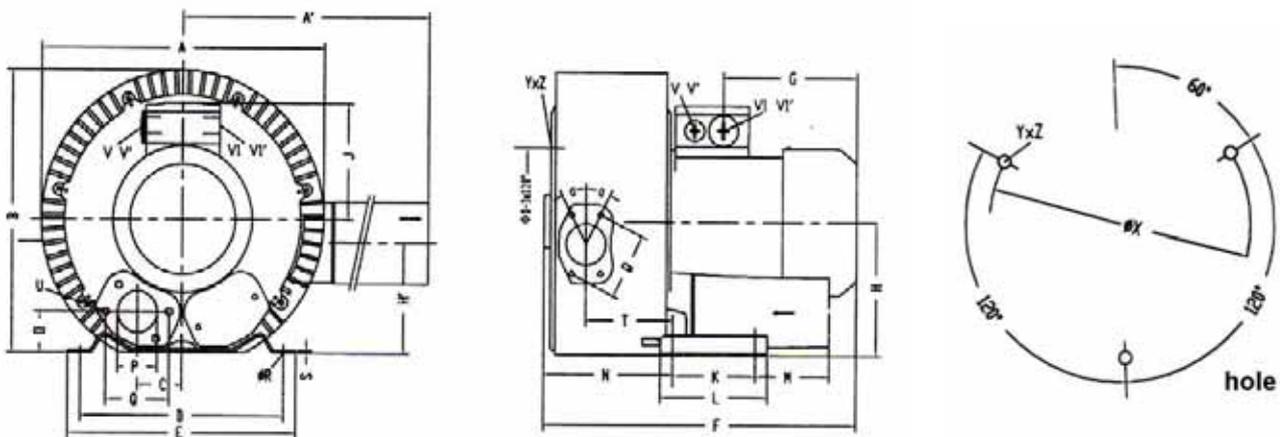


AXIS SG series can be applied both as a vacuum pump or a compressor in continuous operation over the total stated performance curve range. The motors are available for the input voltage range of 50 and 60 Hz.

The blowers' protection category is IP 54, temperature class F and they are approved for EC and ROHS. Furthermore they are designed according to DIN EN 60 034 / IEC 34-1.

The side channel blower or exhauster increases the pressure of the aspirated gas by the creation of a series of vortices in the peripheral toroidal (side) channel. The vanes force the gas forward and outward, producing a helical gas motion. These machines are used when the required pressure (up to +1000 mbar) or vacuum (down to - 700 mbar) is considerably higher than what can be achieved by a fan. Impeller assembled directly on the motor shaft; No metal to metal contact, thus no internal lubrication; Totally uncontaminated and oil-free gas; Dynamically balanced rotating parts to ensure absolute absence of vibration; Low noise; Virtually maintenance free; Pulsation free discharge; Full die-cast aluminium construction for maximum sturdiness and light weight; 1 year warranty.

## Dimensions for installation



MODEL	phase	Curve	A	A'	B	C	D	E	F	G	H	H'	J	K	L	M	N	O	P	Q
302SG0.7M	1	3 / 4	284	316	270	45	205	230	316	129	128	106	111	83	108	75	130	39	G1¼	64
0.7T	3	1 / 2																		
MODEL	phase	Curve	ØR	S	T	U	V	V'	V1	V1'	a	ØX	Y x Z	X -holes						
302SG0.7M	1	3 / 4	10	2.5	88	M6 x 17					27°	140	M6 x 1.5	51°/171°/291°						
0.7T	3	1 / 2																		



vacuum pump | blower

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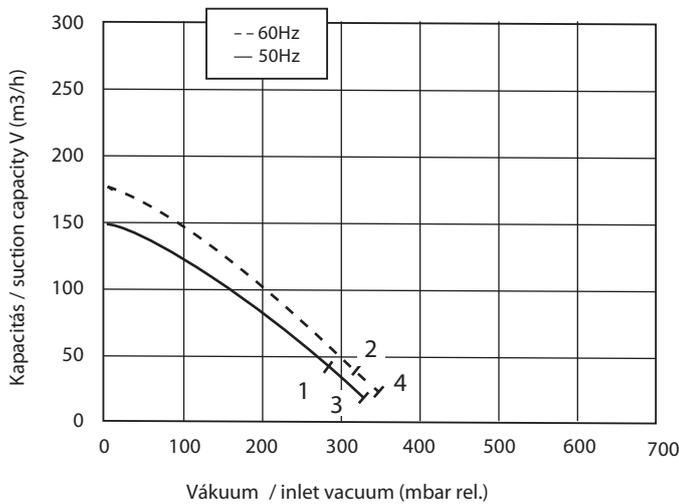


# KÉTFOKOZATÚ OLDALCSATORNÁS FÚVÓ

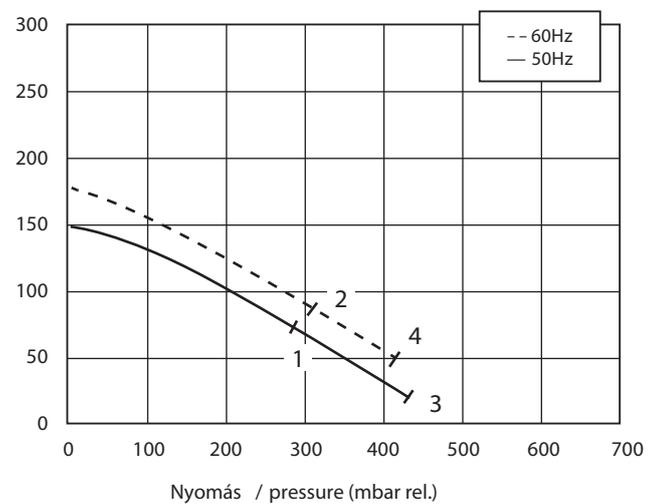
## Double Stage Side Channel Blower

### 402SG SERIES

Performance curve for vacuum pump



Performance curve for compressor



A kapacitások szívó oldali standard állapotú (20 °C és 1013 mbar abs.) levegőre vonatkoznak. Tolerancia ±10%.  
Flow rates refer to air at standard suction conditions of 20 °C and 1013 mbar abs. Tolerance on flow rate values ±10%.

### Selection and ordering data

#### 402SG SERIES

curve No	MODEL	Single double stage	Freq Hz	Output power Kw	voltage V	Rated current A	Max airflow m <sup>3</sup> /h	Max static suction mbar	Max static pressure mbar	Noise dB(A)	Dimension L X W X H mm	weight Kg
1	402SG1.6T	double	50	1.6	200-240△ 345-415Y	7.5△/4.3Y	150	-280	280	66	401 X 321 X 315	24
2			60	2.05	220-275△ 380-480Y	7.6△/4.4Y	180	-320	310	69		24
3	402SG2.2T		50	2.2	200-240△ 345-415Y	9.7△/5.6Y	150	-330	440	66	401 X 321 X 315	27
4			60	2.55	220-275△ 380-480Y	10.3△/6.0Y	180	-350	420	69		27



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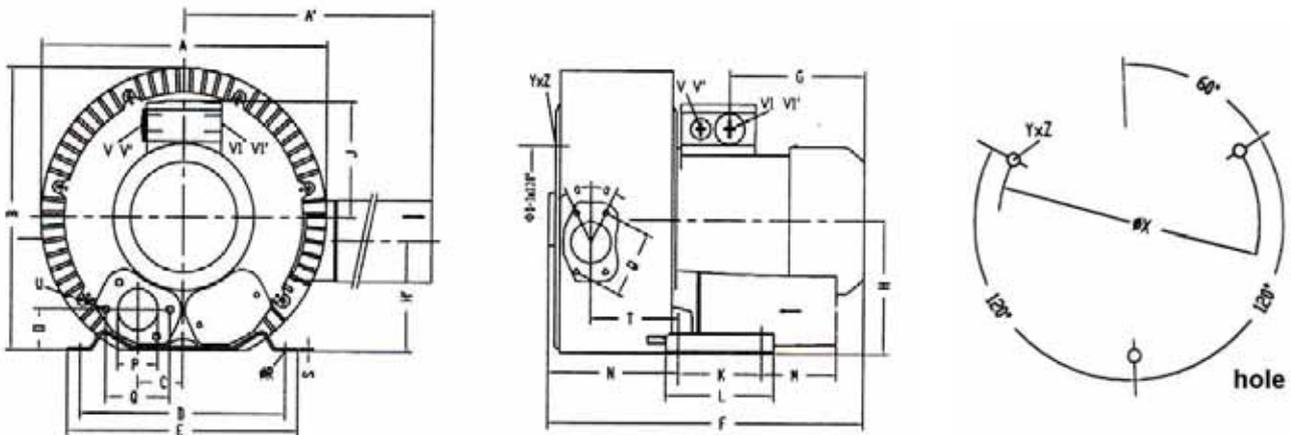


AXIS SG series can be applied both as a vacuum pump or a compressor in continuous operation over the total stated performance curve range. The motors are available for the input voltage range of 50 and 60 Hz.

The blowers' protection category is IP 54, temperature class F and they are approved for EC and ROHS. Furthermore they are designed according to DIN EN 60 034 / IEC 34-1.

The side channel blower or exhauster increases the pressure of the aspirated gas by the creation of a series of vortices in the peripheral toroidal (side) channel. The vanes force the gas forward and outward, producing a helical gas motion. These machines are used when the required pressure (up to +1000 mbar) or vacuum (down to - 700 mbar) is considerably higher than what can be achieved by a fan. Impeller assembled directly on the motor shaft; No metal to metal contact, thus no internal lubrication; Totally uncontaminated and oil-free gas; Dynamically balanced rotating parts to ensure absolute absence of vibration; Low noise; Virtually maintenance free; Pulsation free discharge; Full die-cast aluminium construction for maximum sturdiness and light weight; 1 year warranty.

## Dimensions for installation



MODEL	phase	Curve	A	A'	B	C	D	E	F	G	H	H'	J	K	L	M	N	O	P	Q
402SG1.6T	3	1 / 2	321	321	315	58	225	255	401	185	154	154	128	95	130	70	151	46	G1½	72
2.2T	3	3 / 4																		
MODEL	phase	Curve	ØR	S	T	U	V	V'	V1	V1'	a	ØX	Y x Z	X-holes						
402SG1.6T	1	1 / 2	12	3	106	M6 x 19		M25 x 1.5	M16 x 1.5	M16 x 1.5	28°	174	M6 x 1.5	51°/171°/291°						
2.2T	3	3 / 4																		



vacuum pump | blower

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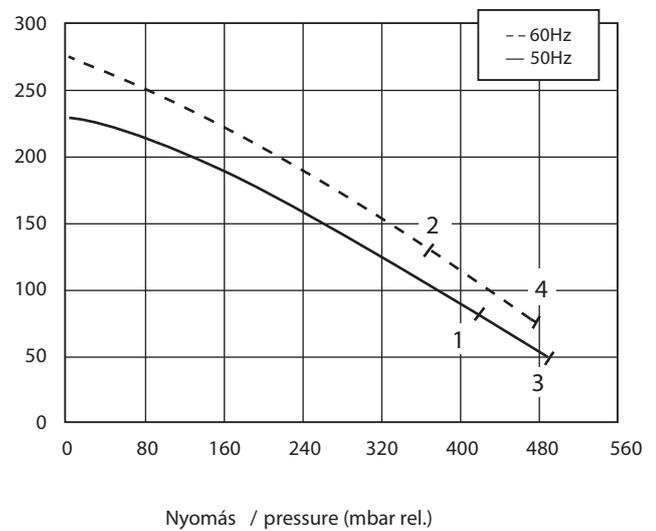
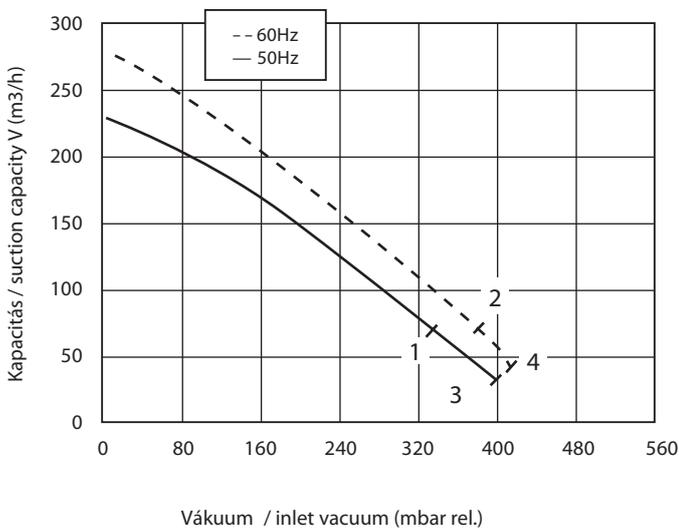
# KÉTFOKOZATÚ OLDALCSATORNÁS FÚVÓ

## Double Stage Side Channel Blower

### 502SG SERIES

Performance curve for vacuum pump

Performance curve for compressor



A kapacitások szívó oldali standard állapotú (20 °C és 1013 mbar abs.) levegőre vonatkoznak. Tolerancia ±10%.  
Flow rates refer to air at standard suction conditions of 20 °C and 1013 mbar abs. Tolerance on flow rate values ±10%.

### Selection and ordering data

#### 502SG SERIES

curve No	MODEL	Single double stage	Freq Hz	Output power Kw	voltage V	Rated current A	Max airflow m3/h	Max static suction mbar	Max static pressure mbar	Noise dB(A)	Dimension L X W X H mm	weight Kg
1	502SG3.0T	double	50	3	200-240△ 345-415Y	12.5△/7.2Y	230	-340	410	72	465 X 372 X 371	39
2			60	3.45	220-275△ 380-480Y	12.5△/7.3Y	275	-380	360	74		39
3	502SG4.0T		50	4	380-415△	10△	230	-390	490	72	499 X 372 X 371	43
4			60	4.6	380-415△	9.9△	275	-410	480	74		43



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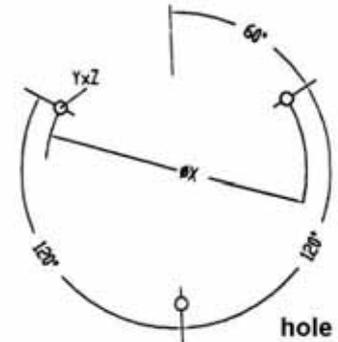
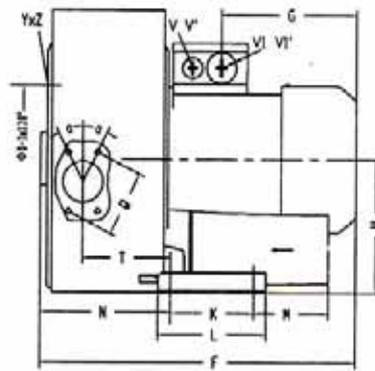
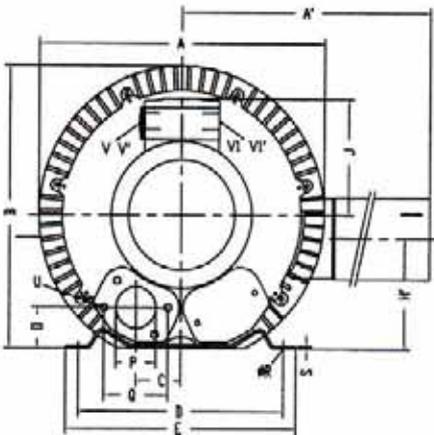


AXIS SG series can be applied both as a vacuum pump or a compressor in continuous operation over the total stated performance curve range. The motors are available for the input voltage range of 50 and 60 Hz.

The blowers' protection category is IP 54, temperature class F and they are approved for EC and ROHS. Furthermore they are designed according to DIN EN 60 034 / IEC 34-1.

The side channel blower or exhauster increases the pressure of the aspirated gas by the creation of a series of vortices in the peripheral toroidal (side) channel. The vanes force the gas forward and outward, producing a helical gas motion. These machines are used when the required pressure (up to +1000 mbar) or vacuum (down to - 700 mbar) is considerably higher than what can be achieved by a fan. Impeller assembled directly on the motor shaft; No metal to metal contact, thus no internal lubrication; Totally uncontaminated and oil-free gas; Dynamically balanced rotating parts to ensure absolute absence of vibration; Low noise; Virtually maintenance free; Pulsation free discharge; Full die-cast aluminium construction for maximum sturdiness and light weight; 1 year warranty.

## Dimensions for installation



MODEL	phase	Curve	A	A'	B	C	D	E	F	G	H	H'	J	K	L	M	N	O	P	Q
502SG3.0T	3	1 / 2	372	411	371	60	260	295	465	190	175	144	135	115	155	98	171	48	55	83
4.0T	3	3 / 4							499	224										
MODEL	phase	Curve	ØR	S	T	U	V	V'	V1	V1'	a	ØX	Y x Z	X-holes						
502SG3.0T	3	1 / 2	14	4	116	M8x 17	4 x M 32 x1.5				24	M8 x 20	51°/171°/291°							
4.0T	3	3 / 4																		



vacuum pump | blower

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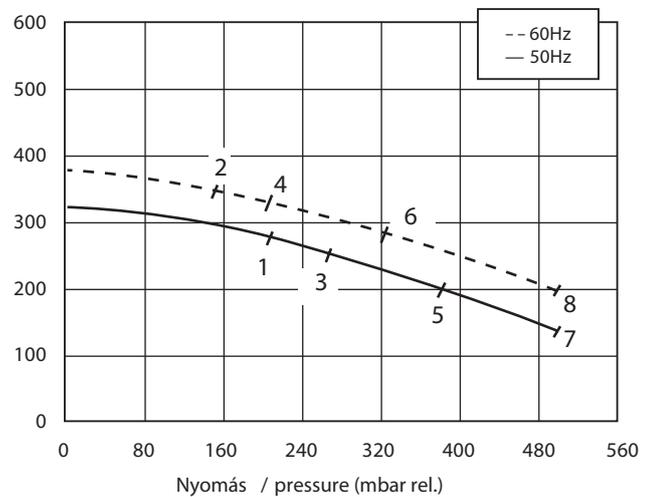
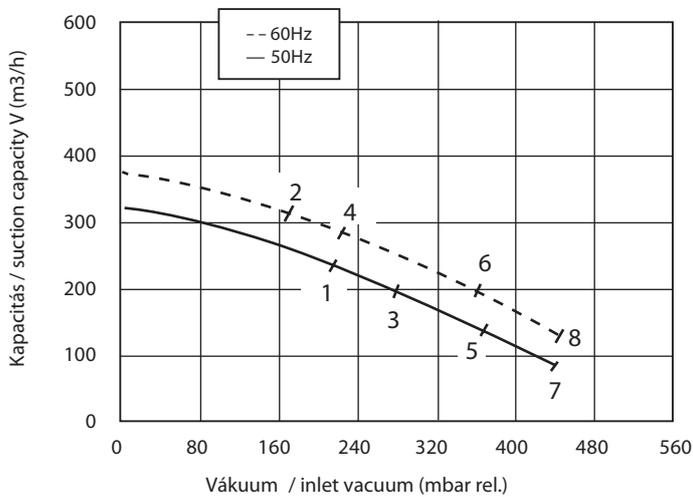
# KÉTFOKOZATÚ OLDALCSATORNÁS FÚVÓ

## Double Stage Side Channel Blower

### 602SG SERIES

Performance curve for vacuum pump

Performance curve for compressor



A kapacitások szívó oldali standard állapotú (20 °C és 1013 mbar abs.) levegőre vonatkoznak. Tolerancia ±10%.  
Flow rates refer to air at standard suction conditions of 20° C and 1013 mbar abs. Tolerance on flow rate values ±10%.

### Selection and ordering data

#### 602SG SERIES

curve No	MODEL	Single double stage	Freq Hz	Output power Kw	voltage V	Rated current A	Max airflow m3/h	Max static suction mbar	Max static pressure mbar	Noise dB(A)	Dimension L X W X H mm	weight Kg
1	602SG2.2T	double	50	2.2	200-240△ 345-415Y	9.7△/5.6Y	320	-220	210	73	473 X 426 X 424	42
2			60	2.55	220-275△ 380-480Y	10.3△/6.0Y	385	-170	150	76		42
3	602SG3.0T		50	3	200-240△ 345-415Y	12.5△/7.2Y	320	-280	260	73	507 X 426 X 424	47
4			60	3.45	220-275△ 380-480Y	12.6△/7.3Y	385	-230	200	76		47
5	602SG4.3T		50	4.3	345-415△	10△	320	-360	380	73	528 X 426 X 424	53
6			60	4.8	345-415△	10.4△	385	-350	320	76		53
7	602SG5.5T		50	5.5	345-415△	13.3△	320	-440	500	73	570 X 426 X 424	70
8			60	6.3	345-415△	13.3△	385	-440	500	76		70



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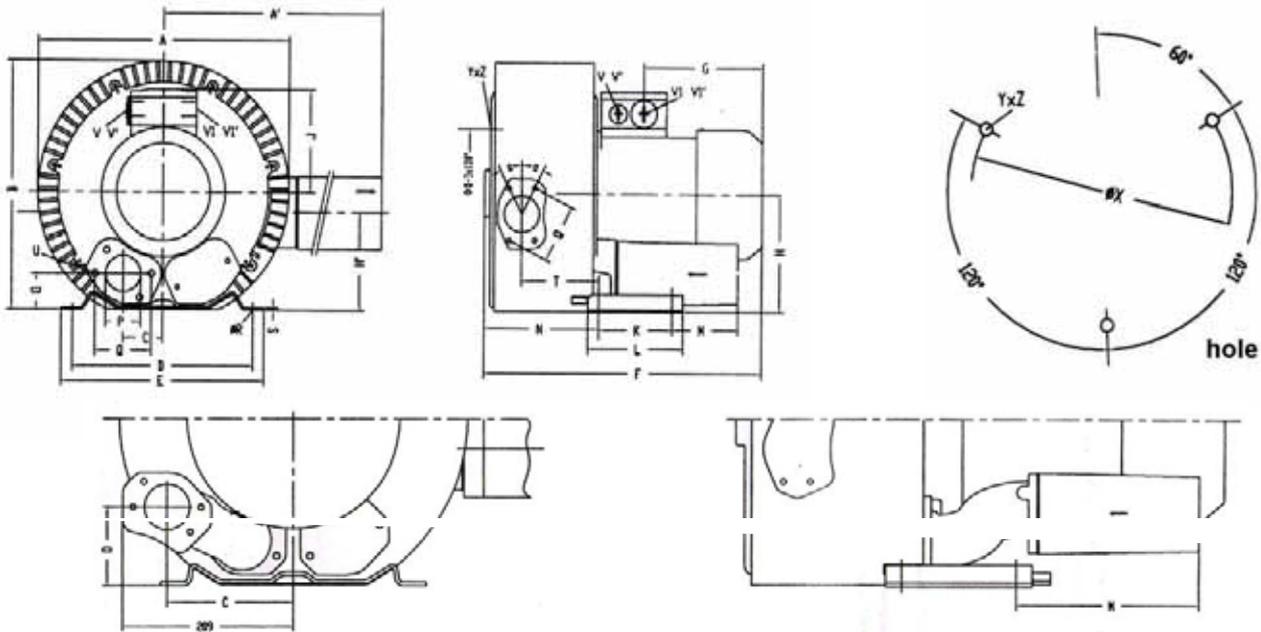


AXIS SG series can be applied both as a vacuum pump or a compressor in continuous operation over the total stated performance curve range. The motors are available for the input voltage range of 50 and 60 Hz.

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### Dimensions for installation



MODEL	phase	Curve	A	A'	B	C	D	E	F	G	H	H'	J	K	L	M	N	O	P	Q
602SG2.2T	3	1 / 2	426	424	420	63	290	325	473	185	198	164	128	140	180	84	205	54	55	83
3.0T	3	3 / 4							507	190			135							
4.3T	3	5 / 6							528	211			148							
5.5T	3	7 / 8				154			570	225			167		225		94			
MODEL	phase	Curve	ØR	S	T	U	V	V'	V1	V1'	ØX	Y x Z	X-holes							
602SG2.2T	3	1 / 2	15	4.5	129	M8x 17	M25x 1.5	M16x 1.5			240	M810x 20	51°/171°/291°							
3.0T	3	3 / 4																		
4.3T	3	5 / 6					4 x M 32 x1.5													
5.5T	3	7 / 8																		



vacuum pump | blower

**AXIS** Mérnöki és Gazdasági Tanácsadó Kft.

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