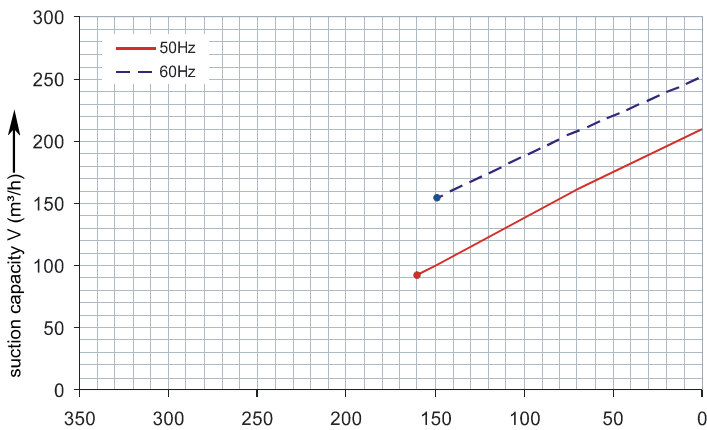


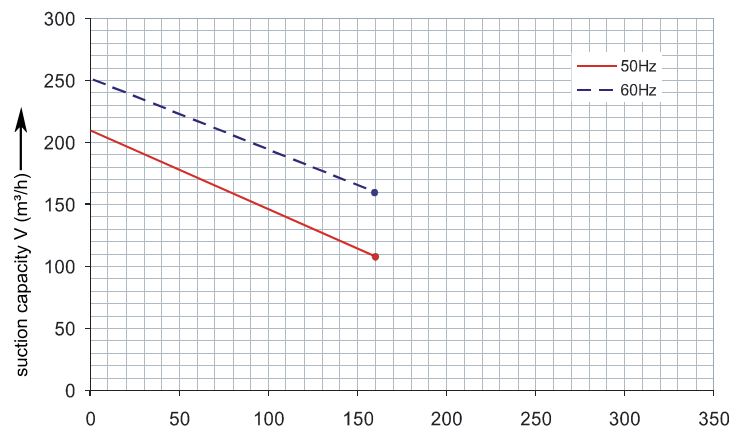
Single stage side channel vacuum pump / compressor **EVSC-S51A1**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S51A1

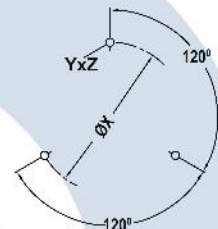
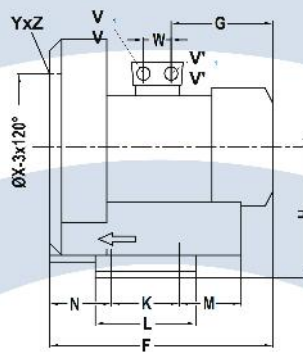
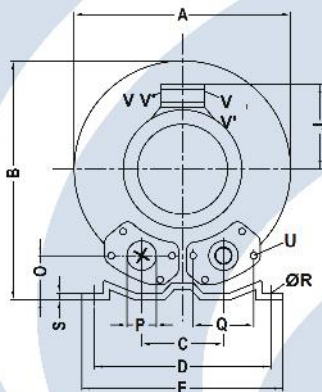
		50 Hz	60 Hz
Motor power	kW	1,1	1,3
Maximum airflow	m³/h	100	120
Ultimate pressure	mbar	+160	+160
Ultimate vacuum	mbar	-150	-160
Input voltage	V	230	230
Input current	A	7,3	8,3
Noise level	dB(A)	64	70
Weight	kg	21	21
Connection	inlet	G(BSP) 2"	2"
	outlet	G(BSP) 2"	2"

Ordering Information TYPE EVSC-S51A1

EVSC-S51A1	1ph AC	141151
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140011

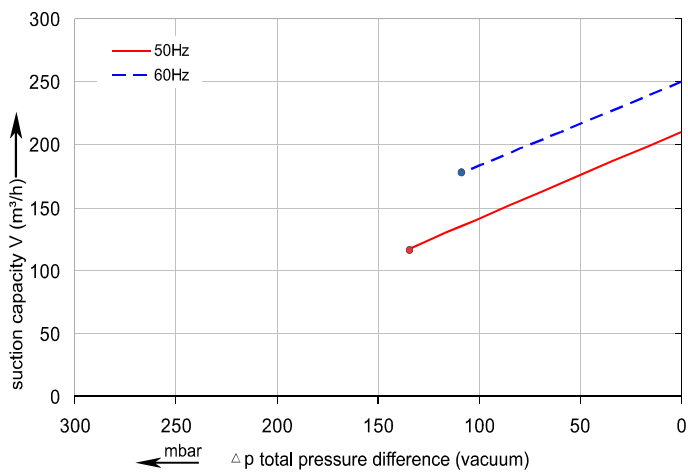


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	ØP	Q	ØR	S	U	V ₁	V ₂	V ₃	V ₄	YxZ	X-Holes	ØX	W
EVSC-S51A1	1~	334	337	120	260	295	314	160	175	120	115	155	96	87	48	2"	83	14	4	M8x17	M16x1.5	M25x1.5	-	-	M8x20	Ø°/120°/240°	200	29

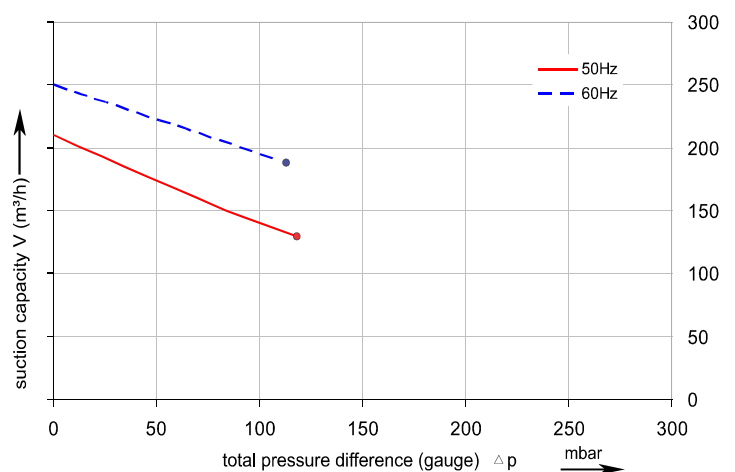
Single stage side channel vacuum pump / compressor **EVSC-S51B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S51B3

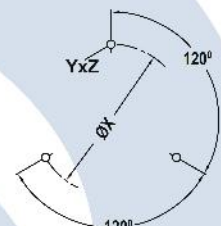
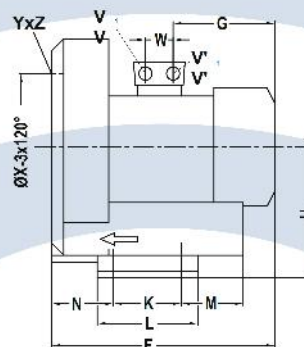
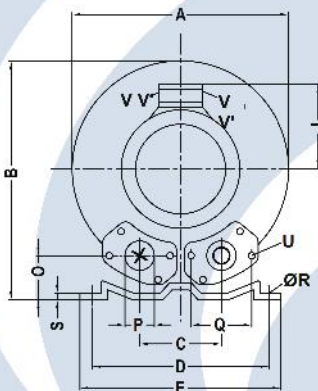
		50 Hz	60 Hz
Motor power	kW	1,1	1,3
Maximum airflow	m³/h	210	255
Ultimate pressure	mbar	+120	+110
Ultimate vacuum	mbar	-130	-110
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	4,35	3,1
Input current Y	A	2,5	2,6
Noise level	dB(A)	64	70
Weight	kg	20	20
Connection inlet	G(BSP)	1½"	1½"
Connection outlet	G(BSP)	1½"	1½"

Ordering Information TYPE EVSC-S51B3

EVSC-S51B3	3ph AC	141351
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	602025
Compressor suction filter	140025
Set of feet for horizontal positioning	140011

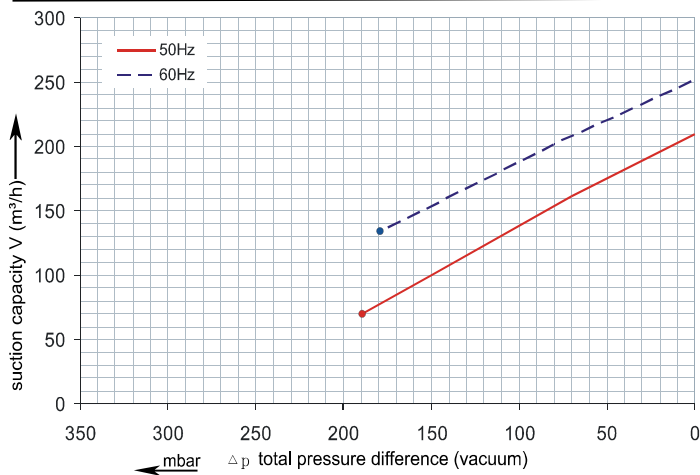


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V	V1	V2	YxZ	X-Holes	ØX
EVSC-S51B3	3~	334	337	120	260	295	315	160	175	120	115	155	98	85	48	G2	83	14	4	M8x17	M25x1.5	M16x1.5	-	-	M8x20	0°/120°/240°	200

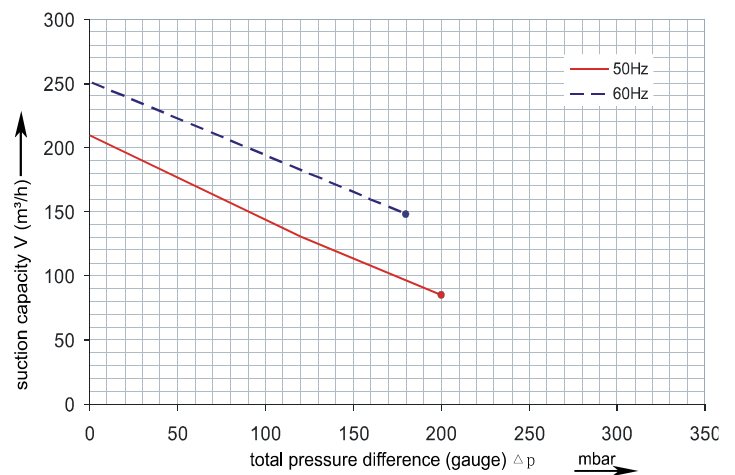
Single stage side channel vacuum pump / compressor **EVSC-S52A1**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S51A1

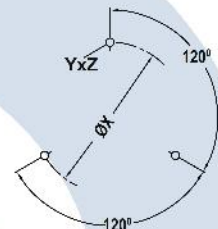
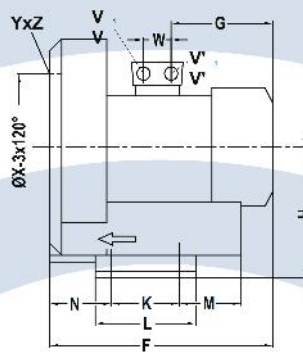
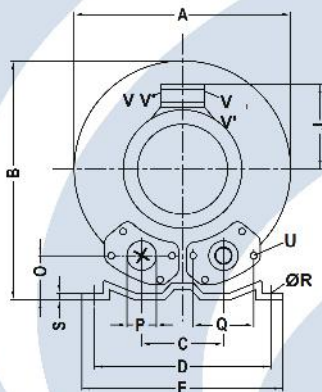
		50 Hz	60 Hz
Motor power	kW	1,5	1,75
Maximum airflow	m³/h	210	255
Ultimate pressure	mbar	+200	+180
Ultimate vacuum	mbar	-190	-180
Input voltage	V	230	230
Input current	A	9	10
Noise level	dB(A)	64	70
Weight	kg	24	24
Connection inlet	G(BSP)	2"	2"
Connection outlet	G(BSP)	2"	2"

Ordering Information TYPE EVSC-S81A3

EVSC-S52A1	50/60 Hz	141152
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140011

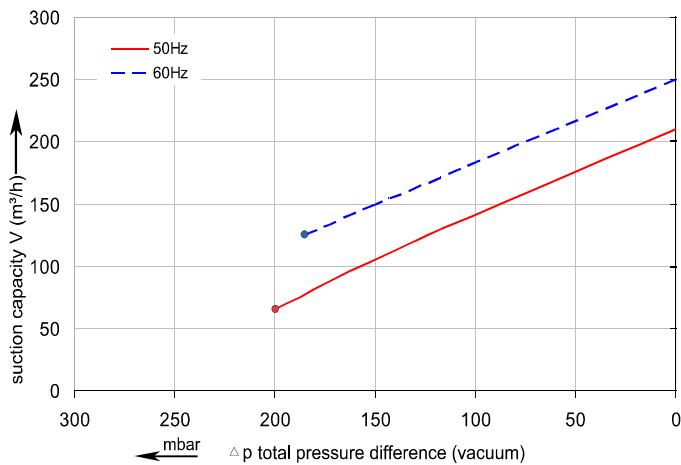


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	ØP	Q	ØR	S	U	V ₁₋₁	V ₁₋₂	V ₁₀₋₁	V ₁₀₋₂	YxZ	X-Bearungen X-Holes	ØX	W
EVSC-S52B1	1~	334	337	120	260	295	345	191	175	128	115	155	96	87	48	G2"	83	14	4	M8x17	M16x1,5	M25x1,5	-	-	M8x20	0°/120°/240°	200	29

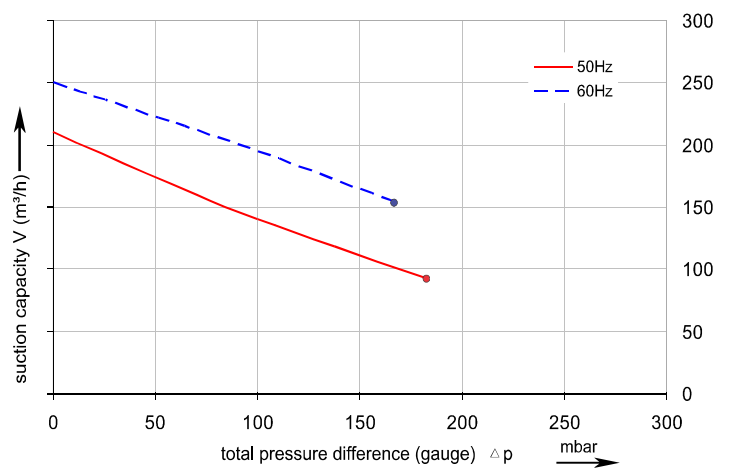
Single stage side channel vacuum pump / compressor **EVSC-S52B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S52B3

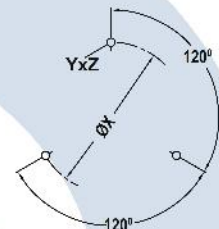
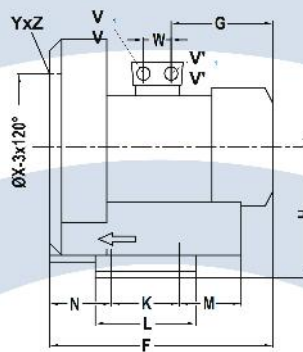
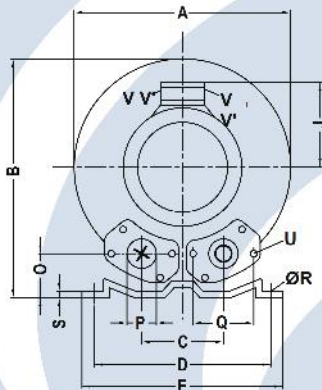
		50 Hz	60 Hz
Motor power	kW	1,5	1,75
Maximum airflow	m³/h	210	255
Ultimate pressure	mbar	+190	+170
Ultimate vacuum	mbar	-200	-180
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	5,7	5,7
Input current Y	A	3,3	3,3
Noise level	dB(A)	64	70
Weight	kg	21	21
Connection inlet	G(BSP)	2"	2"
Connection outlet	G(BSP)	2"	2"

Ordering Information TYPE EVSC-S52B3

EVSC-S52B3	3ph AC	141352
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140011

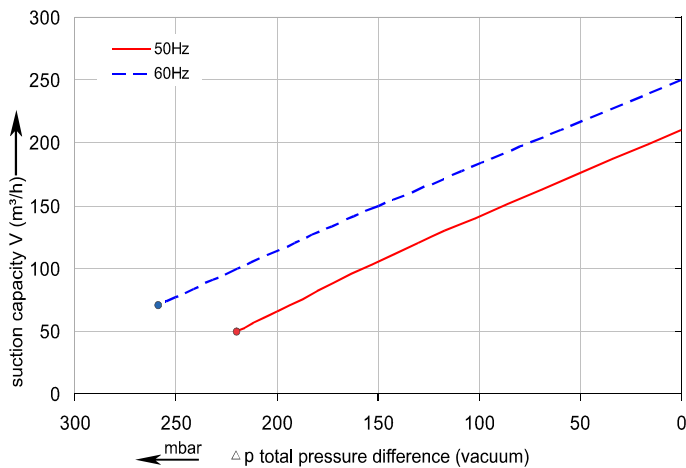


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V	V ₁	V ₂	YxZ	X-Holes	ØX
EVSC-S52B3	3 ~	334	337	120	260	295	346	191	175	128	115	155	98	85	48	G2	83	14	4	M8x17	M25x1.5	M16x1.5	-	-	M8x20	0°/120°/240°	200

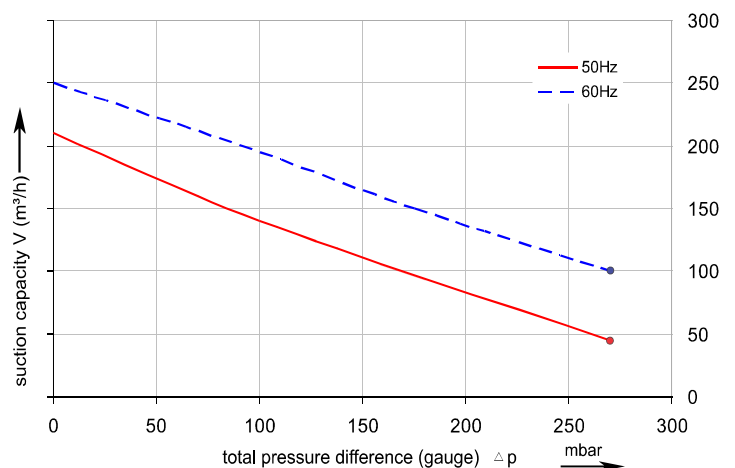
Single stage side channel vacuum pump / compressor **EVSC-S53B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S53B3

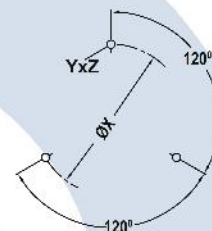
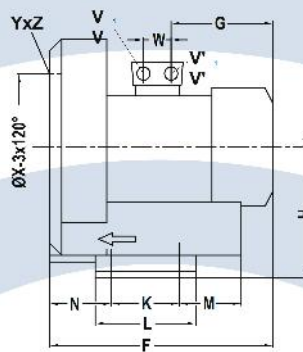
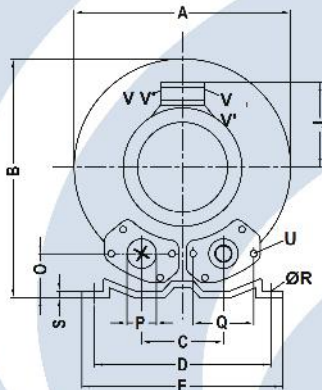
		50 Hz	60 Hz
Motor power	kW	2,2	2,55
Maximum airflow	m³/h	210	255
Ultimate pressure	mbar	+270	+270
Ultimate vacuum	mbar	-220	-260
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	8,2	8,1
Input current Y	A	4,65	4,65
Noise level	dB(A)	64	70
Weight	kg	25	25
Connection inlet	G(BSP)	2"	2"
Connection outlet	G(BSP)	2"	2"

Ordering Information TYPE EVSC-S53B3

EVSC-S53B3	3ph AC	141353
Other voltages/frequencies		Upon request

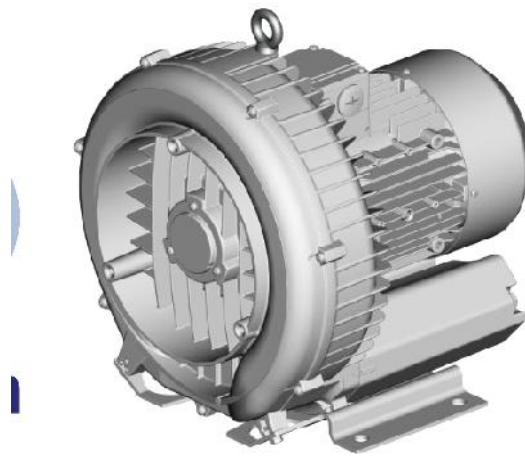
Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140011

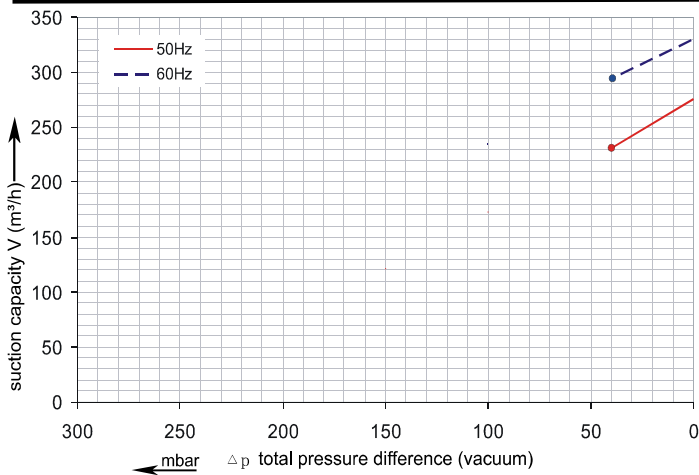


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V	V1	V2	YxZ	X-Holes	ØX
EVSC-S53B3	3~	334	337	120	260	295	372	218	175	128	115	155	98	85	48	G2	83	14	4	M8x17	M25x1.5	M16x1.5	-	-	M8x20	0°/120°/240°	200

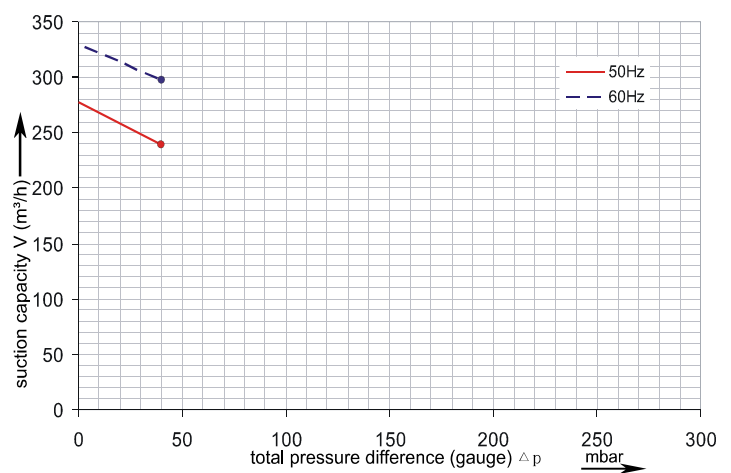
Single stage side channel vacuum pump / compressor **EVSC-S54A3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S54A3

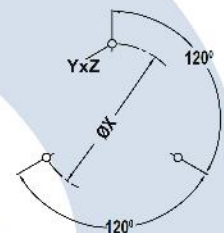
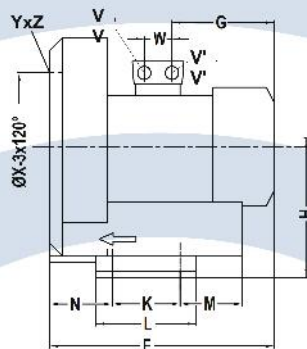
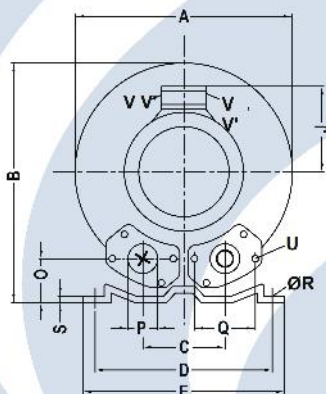
		50 Hz	60 Hz
Motor power	kW	0,85	0,95
Maximum airflow	m³/h	270	330
Ultimate pressure	mbar	+40	+40
Ultimate vacuum	mbar	-40	-40
Input voltage 3 phase Δ	V	200-240	220-275
Input voltage 3 phase Y	V	345-415	380-480
Input current Δ	A	4,0	4,2
Input current Y	A	2,3	2,4
Noise level	dB(A)	65	71
Weight	kg	21	21
Connection inlet	G(BSP)	2"	2"
Connection outlet	G(BSP)	2"	2"

Ordering Information TYPE EVSC-S54A3

EVSC-S53A3	3ph AC	141354
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140011



Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	ØP	Q	ØR	S	U	V _Δ	V _Y	V _Δ	V _Y	YxZ	X-Holes	ØX	W
EVSC-S54A3	3~	334	337	120	260	295	334	160	175	120	115	155	96	87	48	G2"	83	14	4	M8x17	-	-	M25x1.5	M16x1.5	M8x20	0°/120°/240°	200	29



Δp total pressure difference (vacuum) [mbar]	Suction capacity V (m^3/h) at 50 Hz	Suction capacity V (m^3/h) at 60 Hz
275	195	-
60	-	280
0	275	330

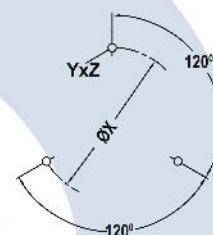
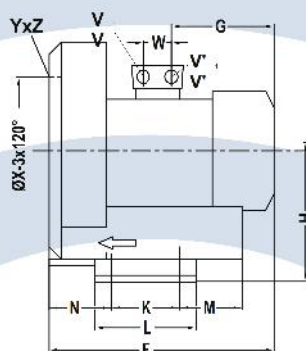
The graph shows the suction capacity V (m³/h) on the y-axis versus the total pressure difference (gauge) Δp (mbar) on the x-axis. Two data series are plotted: 50Hz (red solid line) and 60Hz (blue dashed line). Both series show a linear decrease in suction capacity as the pressure difference increases. The 60Hz series starts at a higher suction capacity than the 50Hz series at zero pressure difference. The 50Hz series has a data point at approximately 80 mbar.

total pressure difference (gauge) Δp (mbar)	suction capacity V (m³/h) at 50Hz	suction capacity V (m³/h) at 60Hz
0	~220	~320
~80	~200	-
50	-	~280

			50 Hz	60 Hz
Motor power	kW		1,1	1,3
Maximum airflow	m ³ /h		270	330
Ultimate pressure	mbar		+80	+50
Ultimate vacuum	mbar		-80	-60
Input voltage 3 phase Δ	V		200-260	230-290
Input voltage 3 phase Y	V		350-450	400-500
Input current Δ	A		4,35	3,1
Input current Y	A		2,5	2,6
Noise level	dB(A)		65	71
Weight	kg		21	21
Connection				
	inlet	G(BSP)	2"	2"
	outlet	G(BSP)	2"	2"

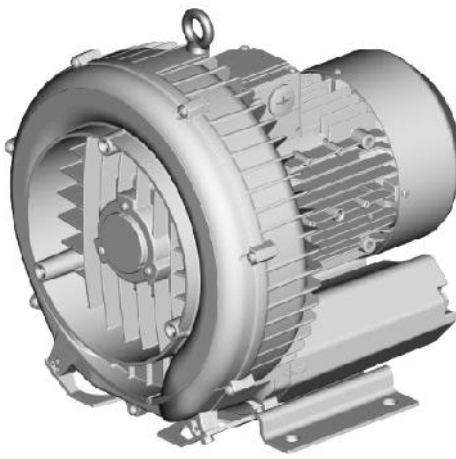
EVSC-S53B3	3ph AC	141355
Other voltages/frequencies		Upon request

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140011

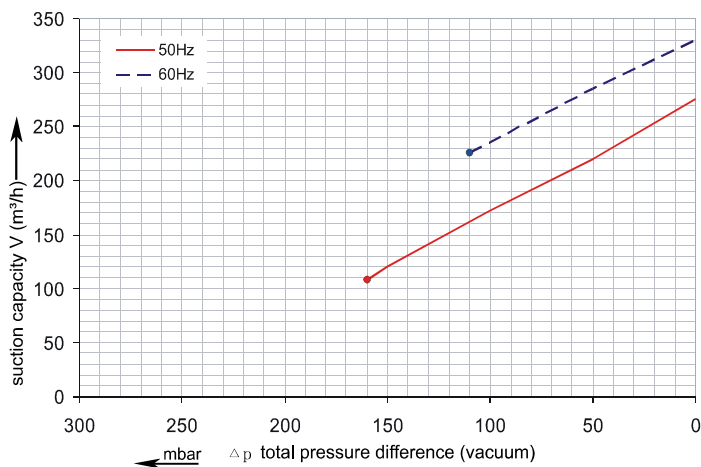


Type	Phases																													X-Holes		ØX
		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V'	V ₁	V ₁	YxZ							
EVSC-S55B3	3~	334	337	120	260	295	334	160	175	120	115	155	98	104	48	G2	83	14	4	M8x17	M25x1.5	M16x1.5	-	-	M8x20	0°/120°/240°	200					

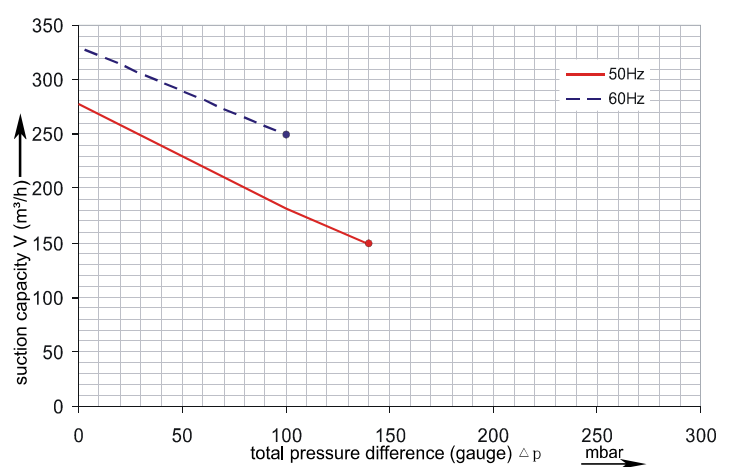
Single stage side channel vacuum pump / compressor **EVSC-S56A1**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S56A1

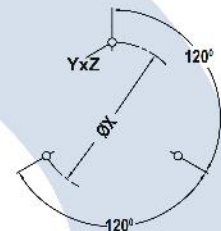
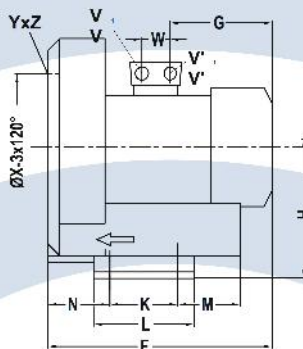
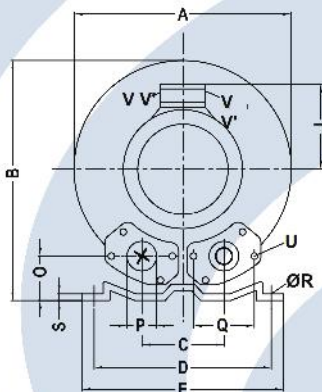
		50 Hz	60 Hz
Motor power	kW	1,5	1,75
Maximum airflow	m³/h	280	330
Ultimate pressure	mbar	+140	+100
Ultimate vacuum	mbar	-150	-110
Input voltage	V	230	230
Input current	A	9	10
Noise level	dB(A)	65	71
Weight	kg	26	26
Connection inlet	G(BSP)	2"	2"
Connection outlet	G(BSP)	2"	2"

Ordering Information TYPE EVSC-S56A1

EVSC-S56A1	3ph AC	141156
Other voltages/frequencies		Upon request

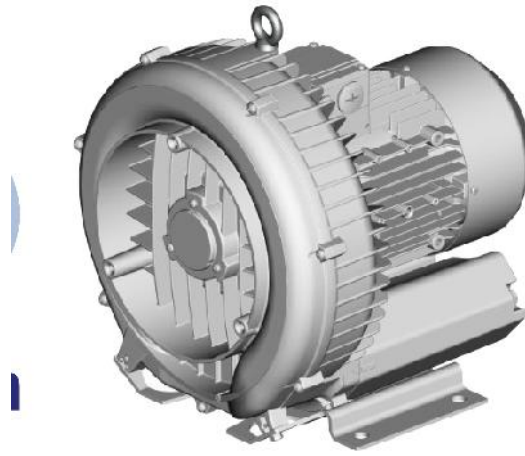
Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140011

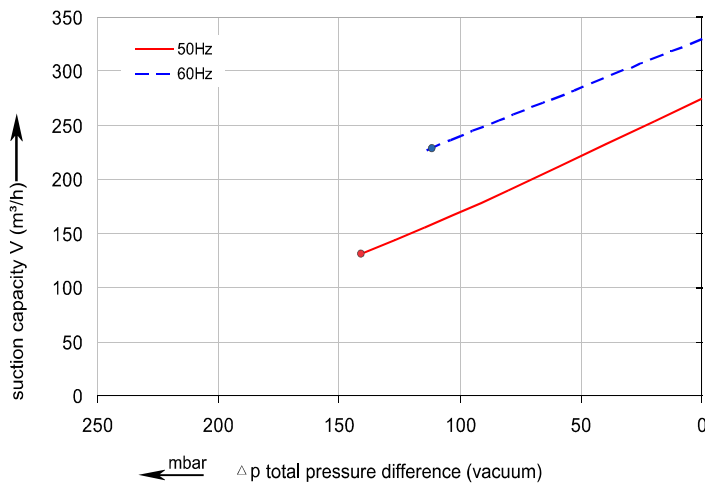


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	ØP	Q	ØR	S	U	V _{in}	V _{out}	V _{iso}	V _{iso}	YxZ	X-Holes	ØX	W
EVSC-S56A1	1~	334	337	120	260	295	365	191	175	128	115	155	96	87	48	G2"	83	14	4	M8x17	M16x1,5	M25x1,5	-	-	M8x20	0°/120°/240°	200	29

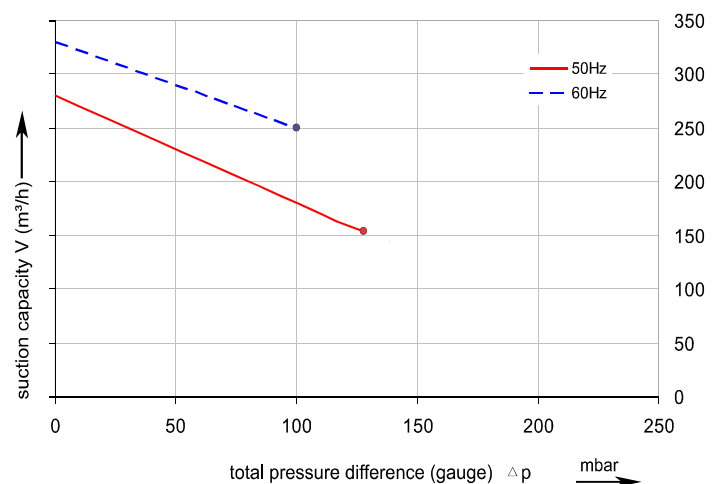
Single stage side channel vacuum pump / compressor **EVSC-S56B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S56B3

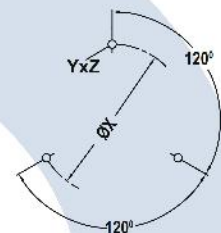
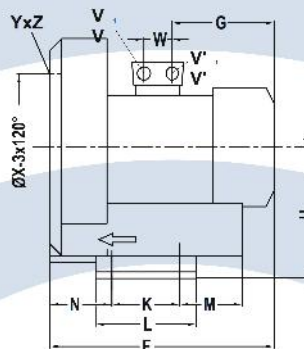
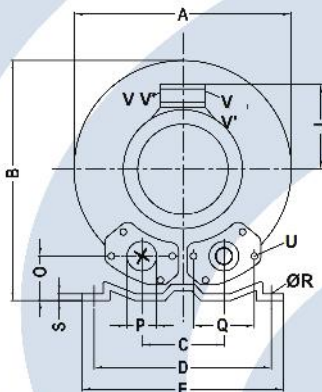
		50 Hz	60 Hz
Motor power	kW	1,5	1,75
Maximum airflow	m³/h	270	330
Ultimate pressure	mbar	+130	+100
Ultimate vacuum	mbar	-140	-110
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	5,7	5,7
Input current Y	A	3,3	3,3
Noise level	dB(A)	65	71
Weight	kg	22	22
Connection inlet	G(BSP)	2"	2"
Connection outlet	G(BSP)	2"	2"

Ordering Information TYPE EVSC-S56B3

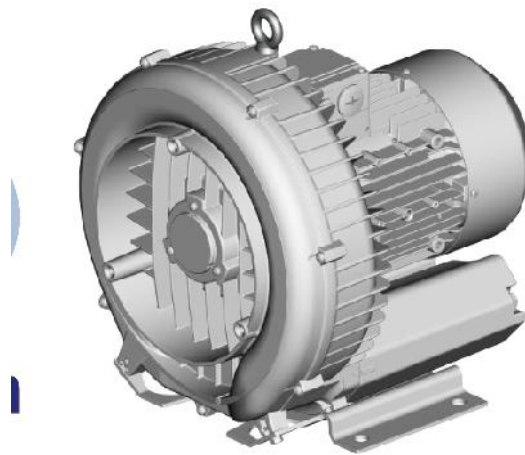
EVSC-S56B3	3ph AC	141356
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140011



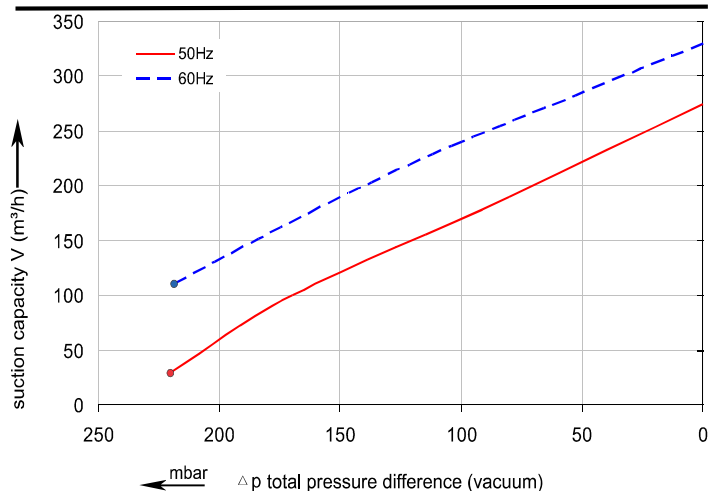
Type	Phases																																				X-Holes		
		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V	V ₁	V ₁	YxZ		ØX												
EVSC-S56B3	3~	334	337	120	260	295	365	191	175	128	115	155	98	104	48	G2	83	14	4	M8x17	M25x1.5	M16x1.5	-	-	M8x20	0°/120°/240°	200												



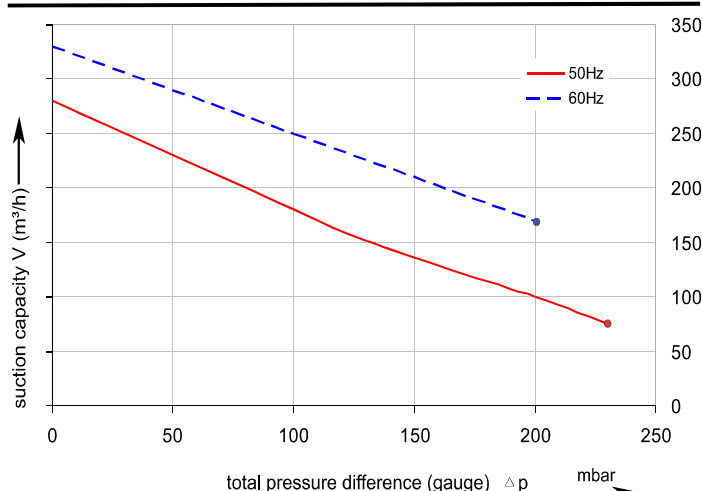
Single stage side channel vacuum pump / compressor **EVSC-S57B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S57B3

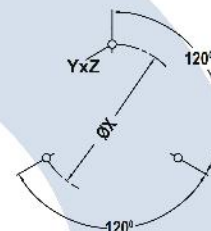
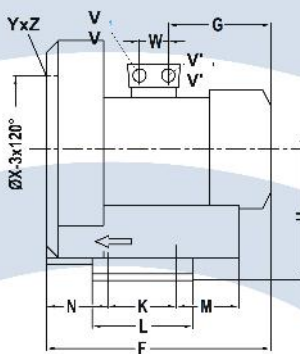
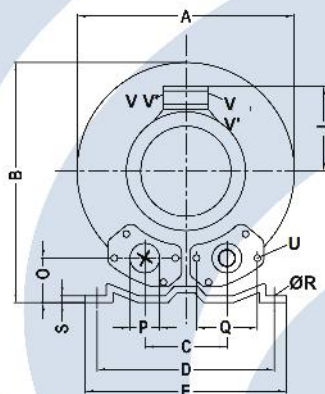
		50 Hz	60 Hz
Motor power	kW	2,2	2,55
Maximum airflow	m³/h	280	330
Ultimate pressure	mbar	+230	+200
Ultimate vacuum	mbar	-220	-220
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	8,2	8,1
Input current Y	A	4,65	4,65
Noise level	dB(A)	65	71
Weight	kg	26	26
Connection inlet	G(BSP)	2"	2"
Connection outlet	G(BSP)	2"	2"

Ordering Information TYPE EVSC-S57B3

EVSC-S57A3	3ph AC	141357
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140011

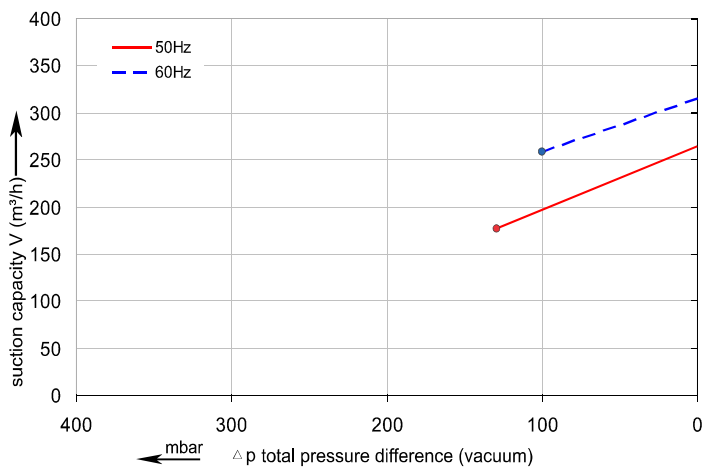


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V	V1	V2	YxZ	X-Holes	ØX
EVSC-S57B3	3~	334	337	120	260	295	392	218	175	128	115	155	98	104	48	G2	83	14	4	M8x17	M25x1,5	M16x1,5	-	-	M8x20	0°/120°/240°	200

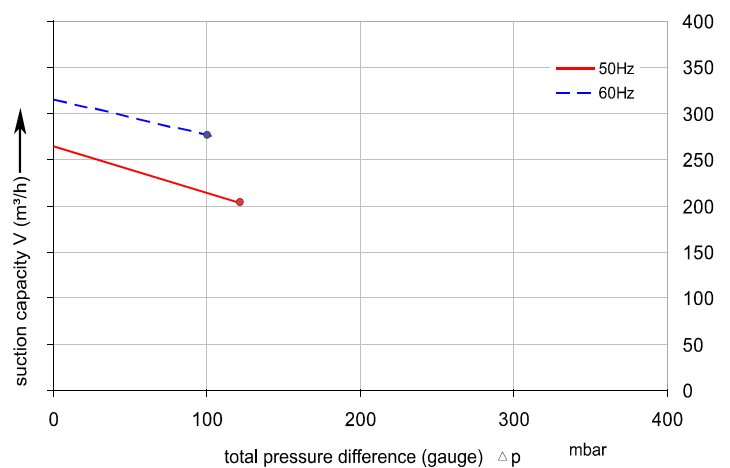
Single stage side channel vacuum pump / compressor **EVSC-S60B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S60B3

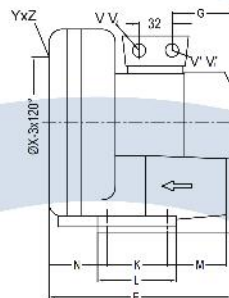
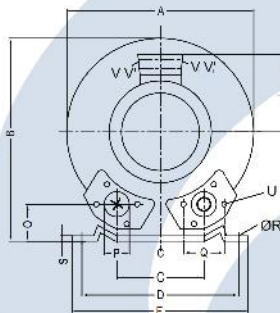
		50 Hz	60 Hz
Motor power	kW	1,5	1,75
Maximum airflow	m³/h	270	320
Ultimate pressure	mbar	+120	+100
Ultimate vacuum	mbar	-120	-100
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	5,7	5,7
Input current Y	A	3,3	3,3
Noise level	dB(A)	69	72
Weight	kg	26	26
Connection inlet	G(BSP)	2"	2"
Connection outlet	G(BSP)	2"	2"

Ordering Information TYPE EVSC-S60B3

EVSC-S60B3	3ph AC	141357
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140011

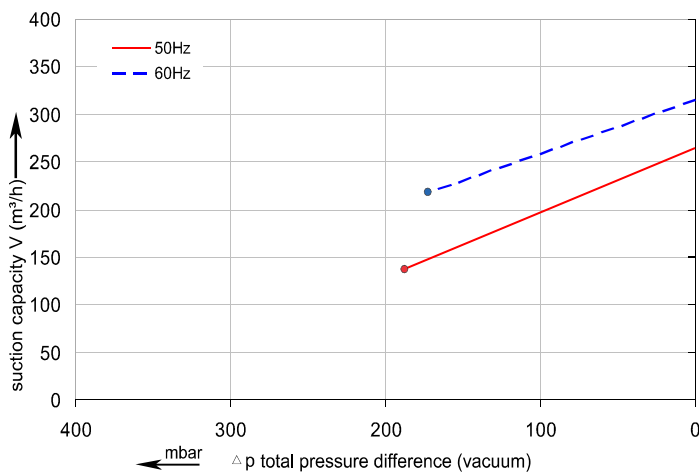


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V	V1	V2	YxZ	X-Holes	ØX
EVSC-S60B3	3 ~	360	363	122	290	325	354	191	192	128	140	180	84	94	52	G2	83	15	4.5	M8X17	M25x1.5	M16x1.5	-	-	M8X20	0°/120°/240°	226

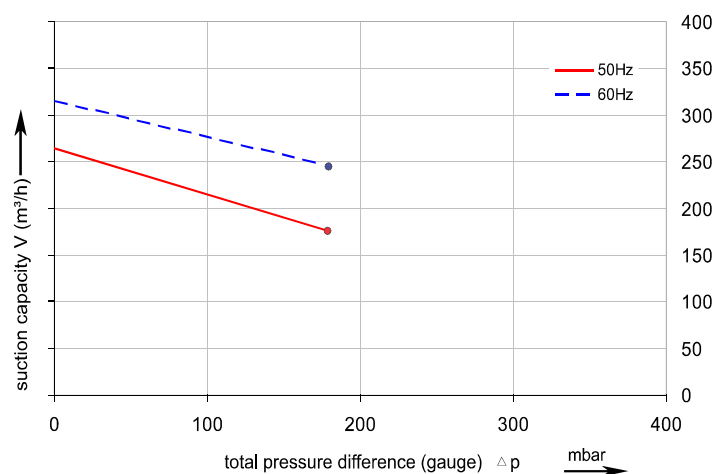
Single stage side channel vacuum pump / compressor **EVSC-S61B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S57A3

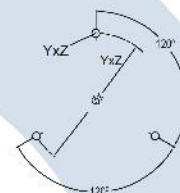
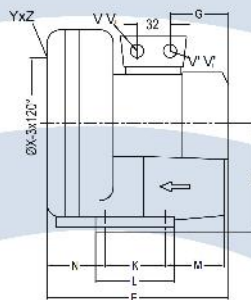
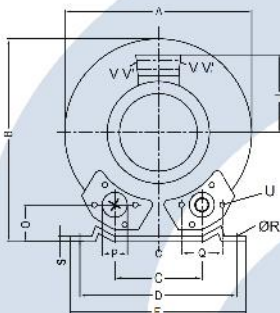
		50 Hz	60 Hz
Motor power	kW	2,2	2,55
Maximum airflow	m³/h	270	320
Ultimate pressure	mbar	+180	+180
Ultimate vacuum	mbar	-190	-180
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	8,1	8,0
Input current Y	A	4,6	4,6
Noise level	dB(A)	69	72
Weight	kg	29	29
Connection inlet	G(BSP)	2"	2"
Connection outlet	G(BSP)	2"	2"

Ordering Information TYPE EVSC-S57A3

EVSC-S57A3	50/60 Hz	141357
Other voltages/frequencies		Upon request

Accessories

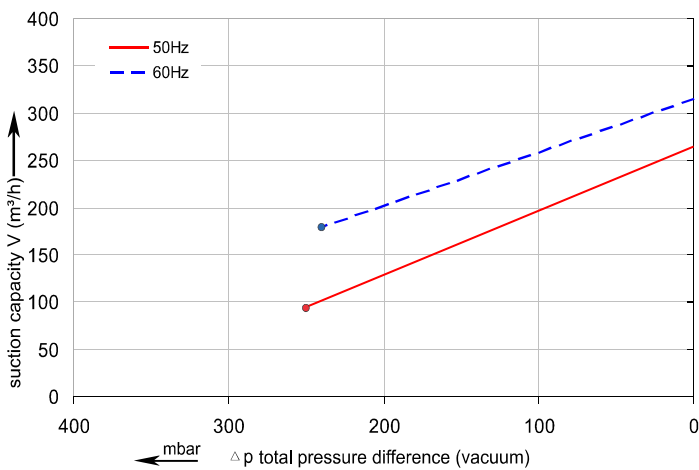
Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140011



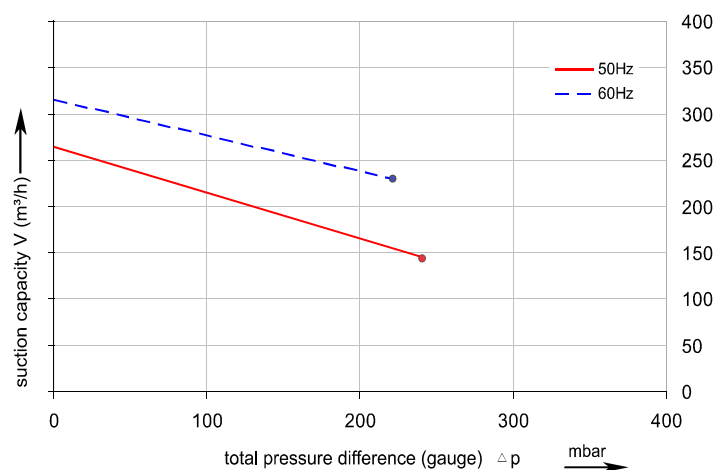
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V	V ₁	V ₂	YxZ	X-Holes	ØX
EVSC-S61B3	3~	360	363	122	290	325	380	218	192	128	140	180	84	94	52	G2	83	15	4.5	M8X17	M25x1.5	M16x1.5	-	-	M8X20	0°/120°/240°	226



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S62B3

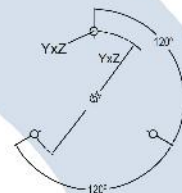
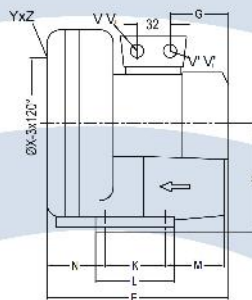
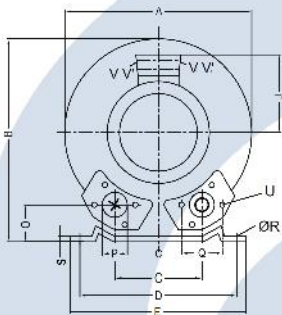
			50 Hz	60 Hz
Motor power	kW		3,0	3,45
Maximum airflow	m ³ /h		270	320
Ultimate pressure	mbar		+240	+220
Ultimate vacuum	mbar		-250	-240
Input voltage 3 phase Δ	V		200-260	230-290
Input voltage 3 phase Y	V		350-450	400-500
Input current Δ	A		11,4	10,8
Input current Y	A		6,4	6,2
Noise level	dB(A)		69	72
Weight	kg		34	34
Connection				
inlet	G(BSP)		2"	2"
outlet	G(BSP)		2"	2"

Ordering Information TYPE EVSC-S62B3

EVSC-S62B3	50/60 Hz	141357
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140011



Type	Phases																								X-Holes			
		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	QR	S	U	V	V'	V _I	V _I	YxZ		ØX	
EVSC-S62B3	3~	360	363	122	290	325	385	225	192	135	140	180	84	94	52	G2	83	15	4.5	M8X17	M32x1.5	M32x1.5	M32x1.5	M32x1.5	M8X20	0°/120°/240°	226	



Figure 10 is a line graph showing the relationship between suction capacity V (l/min) on the y-axis and total pressure difference Δp (mbar) on the x-axis. The y-axis ranges from 0 to 600 l/min, and the x-axis ranges from 250 mbar to 0 mbar. Two data series are plotted: 50Hz (solid red line) and 60Hz (dashed blue line). Both series show an increase in suction capacity as the total pressure difference decreases. The 60Hz series consistently shows higher suction capacity than the 50Hz series.

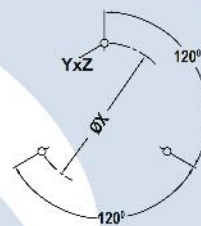
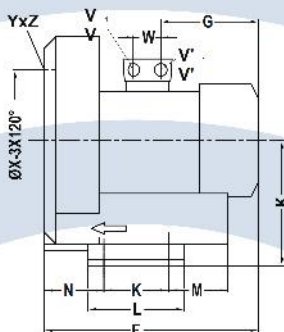
Δp (mbar)	Suction capacity V (l/min) at 50Hz	Suction capacity V (l/min) at 60Hz
~120	~280	-
50	~300	~370
0	~350	~420

Total pressure difference Δp (mbar)	Suction capacity V (m³/h) at 50Hz	Suction capacity V (m³/h) at 60Hz
0	~350	~400
50	~320	~380
65	~300	-

			50 Hz	60 Hz
Motor power		kW	1,6	2,05
Maximum airflow		m ³ /h	345	415
Ultimate pressure		mbar	+125	+130
Ultimate vacuum		mbar	-125	-105
Input voltage 3 phase Δ		V	220-240	220-275
Input voltage 3 phase Y		V	395-415	380-480
Input current Δ		A	8,5	8,8
Input current Y		A	4,9	5,1
Noise level		dB(A)	70	73
Weight		kg	29	29
Connection	inlet	G(BSP)	2"	2"
	outlet	G(BSP)	2"	2"

EVSC-S63A3	3ph AC	141363
Other voltages/frequencies		Upon request

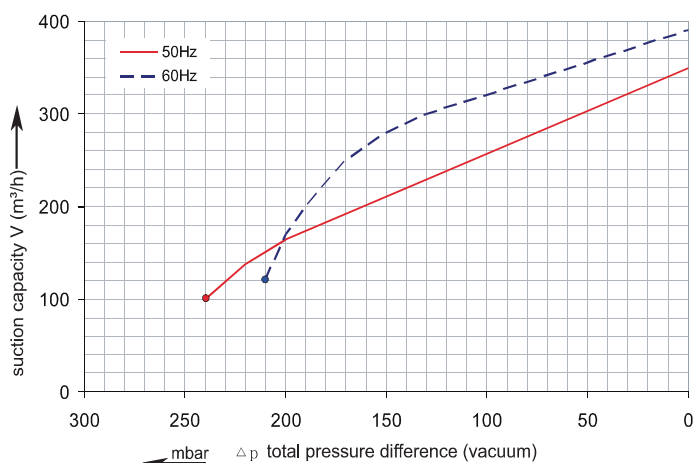
Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140011

40

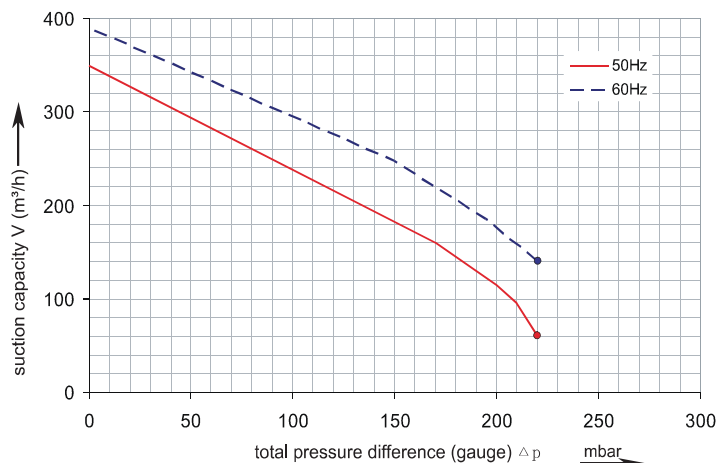


Single stage side channel vacuum pump / compressor **EVSC-S65A3**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S65A3

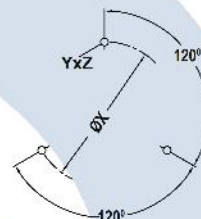
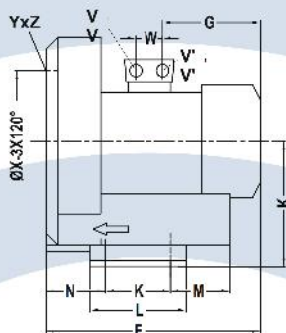
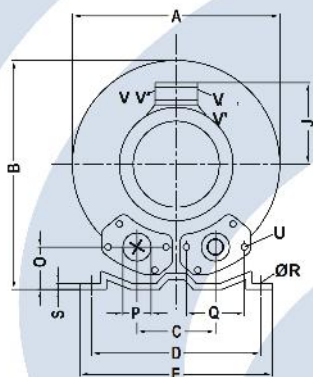
		50 Hz	60 Hz
Motor power	kW	3,0	3,45
Maximum airflow	m³/h	345	415
Ultimate pressure	mbar	+220	+220
Ultimate vacuum	mbar	-240	-210
Input voltage 3 phase Δ	V	200-240	220-275
Input voltage 3 phase Y	V	345-415	380-480
Input current Δ	A	12,5	12,6
Input current Y	A	7,2	7,3
Noise level	dB(A)	65	71
Weight	kg	32	32
Connection inlet	G(BSP)	2"	2"
Connection outlet	G(BSP)	2"	2"

Ordering Information TYPE EVSC-S65A3

EVSC-S65A3	3ph AC	141365
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140011



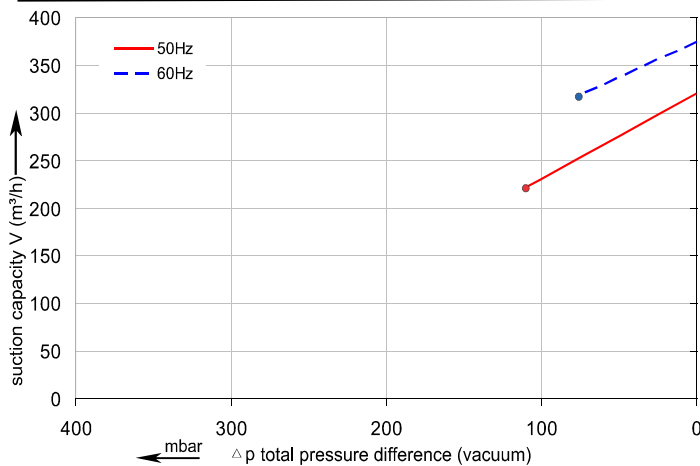
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	ØP	Q	ØR	S	U	V _Δ	V _Y	V _Δ	V _Y	YxZ	X-Holes	ØX	W
EVSC-S65A3	3~	360	366	122	284	325	403	188	192	135	140	180	64	74	56	G2"	93	13	4.5	M8x17	M32x1.5	M32x1.5	M32x1.5	M32x1.5	M8x20	0°/120°/240°	226	29



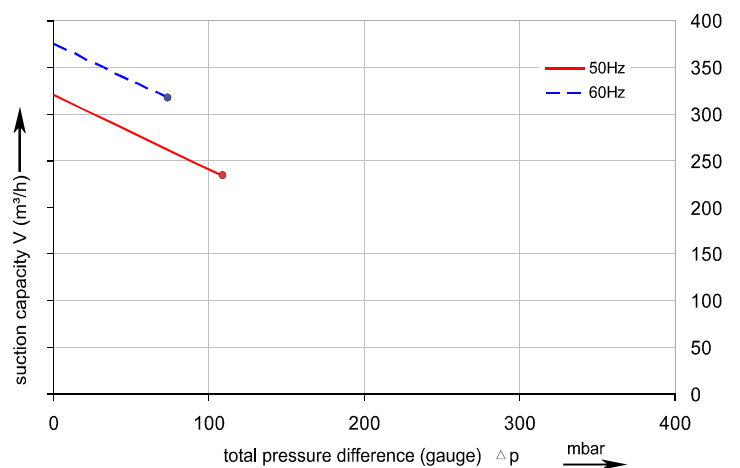
Single stage side channel vacuum pump / compressor **EVSC-S70B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S70B3

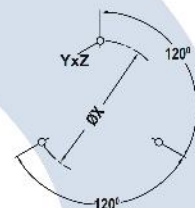
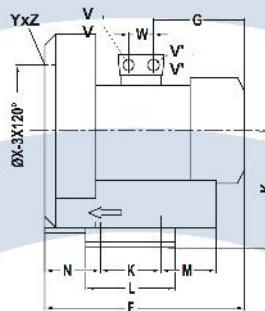
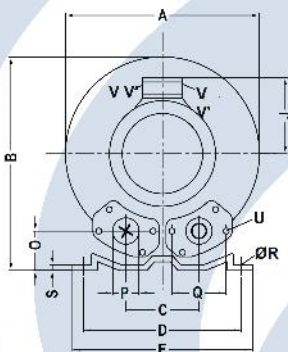
		50 Hz	60 Hz
Motor power	kW	1,5	1,75
Maximum airflow	m³/h	318	376
Ultimate pressure	mbar	+110	+80
Ultimate vacuum	mbar	-110	-80
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	5,7	5,7
Input current Y	A	3,3	3,3
Noise level	dB(A)	69	72
Weight	kg	26	26
Connection inlet	G(BSP)	2"	2"
Connection outlet	G(BSP)	2"	2"

Ordering Information TYPE EVSC-S70B3

EVSC-S71B3	3ph AC	141370
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140011

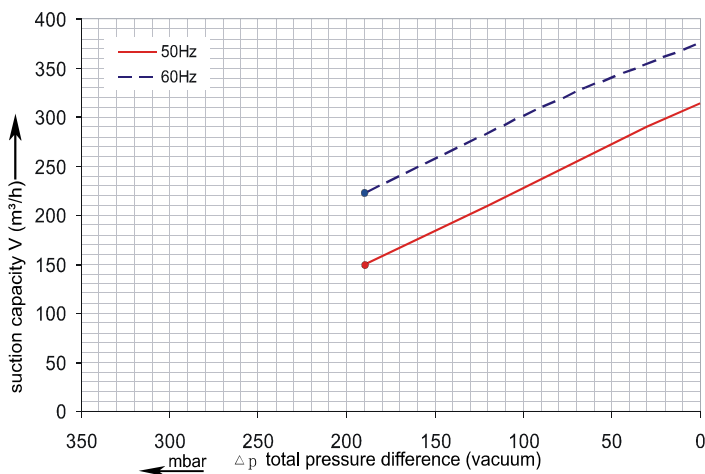


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V'	V''	V'''	YxZ	X-Holes	ØX
EVSC-S70B3	3 ~	382	384	125	290	325	404	191	197	128	140	180	84	109	53	G2	83	15	4.5	M8X17	M25x1.5	M16x1.5	-	-	M10X20	0°/120°/240°	240

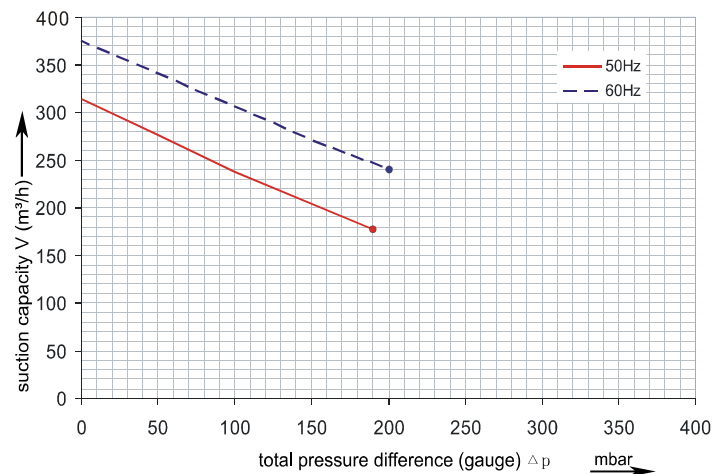


Single stage side channel vacuum pump / compressor **EVSC-S71A1**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S71A1

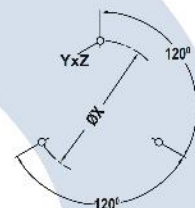
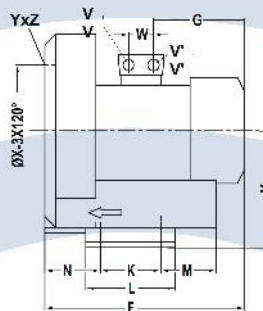
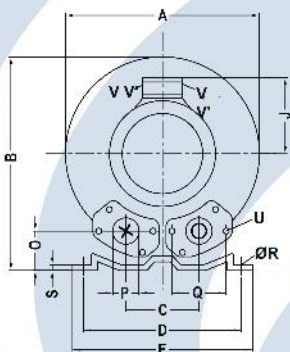
		50 Hz	60 Hz
Motor power	kW	2,2	2,55
Maximum airflow	m³/h	318	376
Ultimate pressure	mbar	+190	+200
Ultimate vacuum	mbar	-190	-190
Input voltage	V	230	230
Input current	A	12,8	12,8
Noise level	dB(A)	72	74
Weight	kg	30	30
Connection	inlet	G(BSP) 2"	2"
	outlet	G(BSP) 2"	2"

Ordering Information TYPE EVSC-S71A3

EVSC-S71A3	1ph AC	141171
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140012



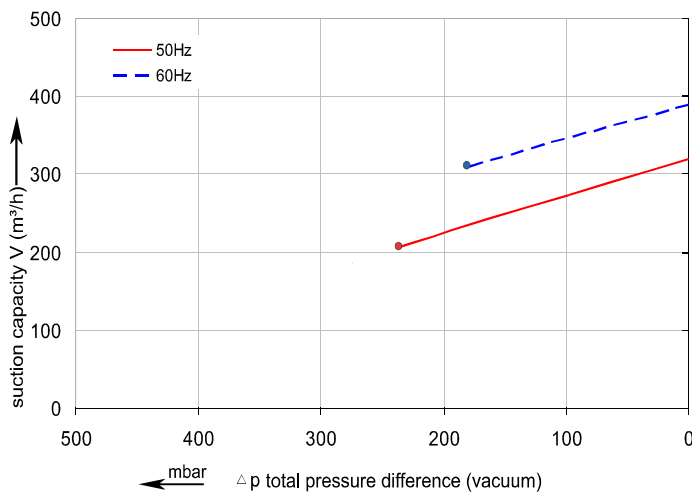
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	ØP	Q	ØR	S	U	V ₁₋₁	V ₁₋₂	V ₂₋₁	V ₂₋₂	YxZ	X-Holes	ØX	W
EVSC-S71B1	1 ~	382	384	125	290	325	403	188	197	128	140	180	84	109	54	G2"	83	15	4,5	M8x17	M25x1,5	M16x1,5	-	-	M10x20	0°/120°/240°	240	29



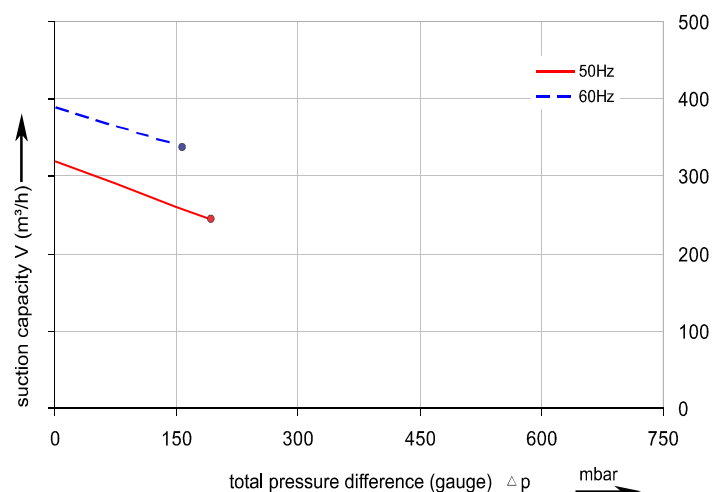
Single stage side channel vacuum pump / compressor **EVSC-S71B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S71B3

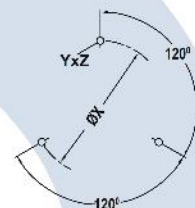
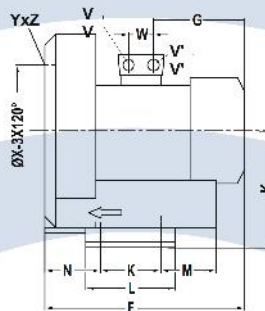
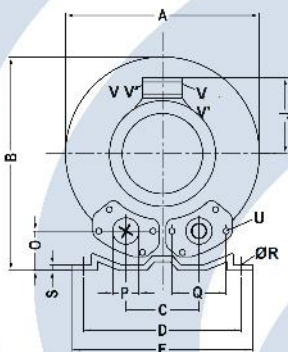
		50 Hz	60 Hz
Motor power	kW	2,2	2,55
Maximum airflow	m³/h	318	376
Ultimate pressure	mbar	+170	+140
Ultimate vacuum	mbar	-180	-150
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	8,1	8,0
Input current Y	A	4,6	4,6
Noise level	dB(A)	69	72
Weight	kg	29	29
Connection inlet	G(BSP)	2"	2"
Connection outlet	G(BSP)	2"	2"

Ordering Information TYPE EVSC-S71B3

EVSC-S71B3	3ph AC	141371
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140012



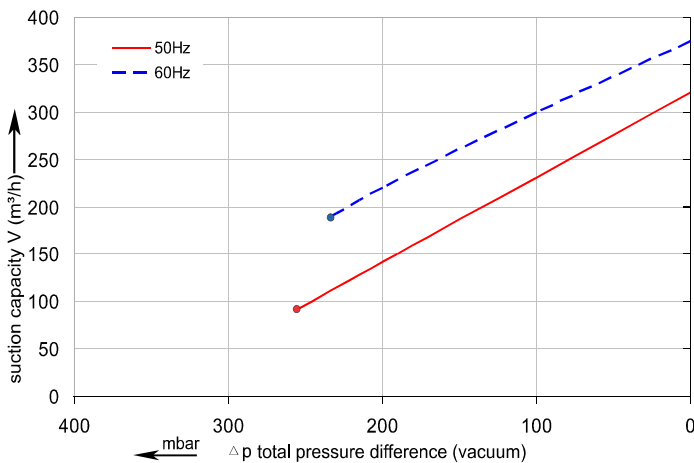
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V'	V _I	V _I	YxZ	X-Holes	ØX
EVSC-S71B3	3~	382	384	125	290	325	431	218	197	128	140	180	84	109	53	G2	83	15	4.5	M8X17	M25x1.5	M16x1.5	-	-	M10X20	0°/120°/240°	240



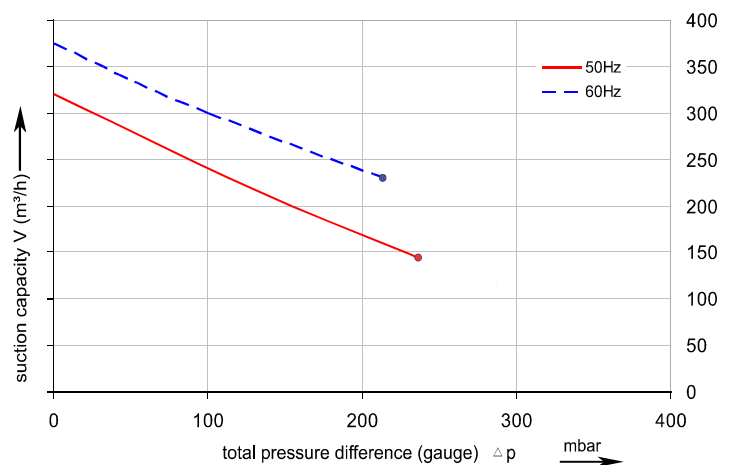
Single stage side channel vacuum pump / compressor **EVSC-S72B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S72B3

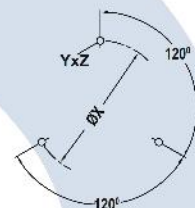
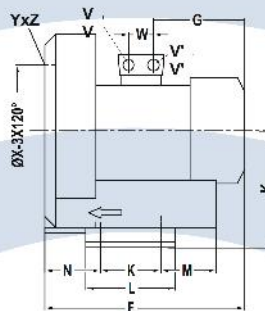
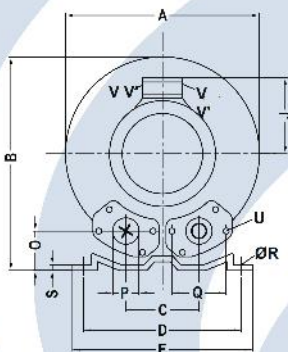
		50 Hz	60 Hz
Motor power	kW	3,0	3,45
Maximum airflow	m³/h	318	376
Ultimate pressure	mbar	+250	+220
Ultimate vacuum	mbar	-260	-230
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	11,4	10,8
Input current Y	A	6,5	6,2
Noise level	dB(A)	69	72
Weight	kg	34	34
Connection inlet	G(BSP)	2"	2"
Connection outlet	G(BSP)	2"	2"

Ordering Information TYPE EVSC-S72B3

EVSC-S72B3	3ph AC	141372
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140012



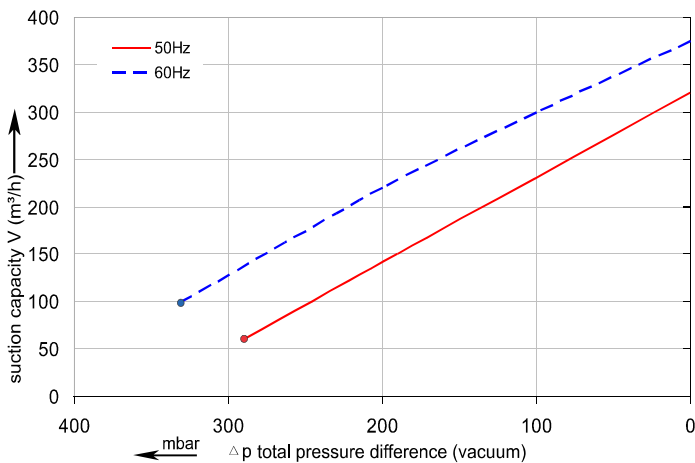
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V	V ₁	V ₂	YxZ	X-Holes	ØX
EVSC-S72B3	3~	382	384	125	290	325	446	225	197	135	140	180	84	109	53	G2	83	15	4.5	M8X17	M32x1.5	M32x1.5	M32x1.5	M32x1.5	M10X20	0°/120°/240°	240



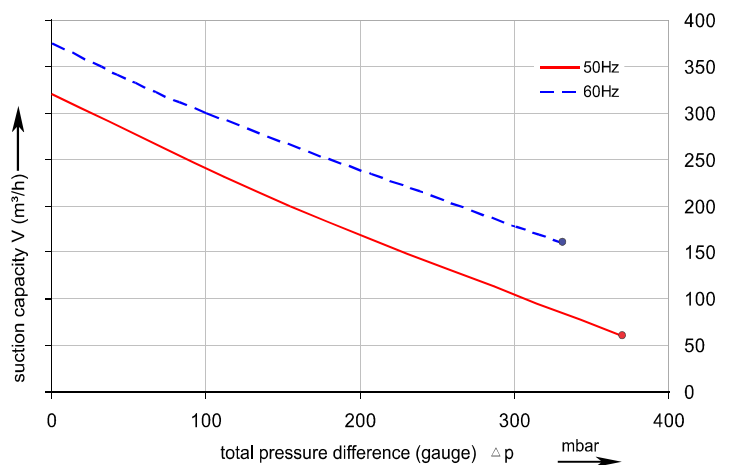
Single stage side channel vacuum pump / compressor **EVSC-S73B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S73B3

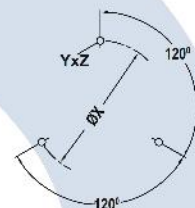
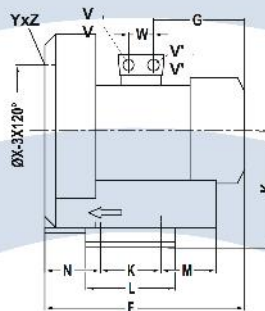
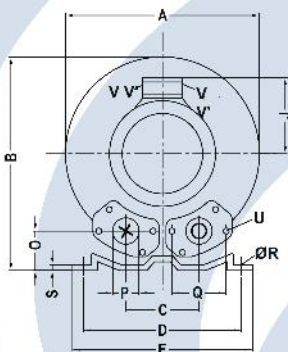
		50 Hz	60 Hz
Motor power	kW	4,0	4,6
Maximum airflow	m³/h	318	376
Ultimate pressure	mbar	+270	+330
Ultimate vacuum	mbar	-290	-330
Input voltage 3 phase Δ	V	350-450	400-500
Input voltage 3 phase Y	V	610-725	690-725
Input current Δ	A	8,4	8,2
Input current Y	A	4,8	4,7
Noise level	dB(A)	69	72
Weight	kg	42	42
Connection inlet	G(BSP)	2"	2"
Connection outlet	G(BSP)	2"	2"

Ordering Information TYPE EVSC-S73B3

EVSC-S73B3	50/60 Hz	141373
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140012



Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V'	V ₁	V ₂	YxZ	X-Holes	ØX
EVSC-S73B3	3~	382	384	125	290	325	470	249	197	148	140	180	84	109	53	G2	83	15	4,5	M8X17	M32x1,5	M32x1,5	M32x1,5	M32x1,5	M10X20	0°/120°/240°	240



TYPE EVSC-S74B3

Ordering Information TYPE EVSC-S74B3

Accessories

48



TYPE EVSC-S75B3

Ordering Information TYPE EVSC-S75B3

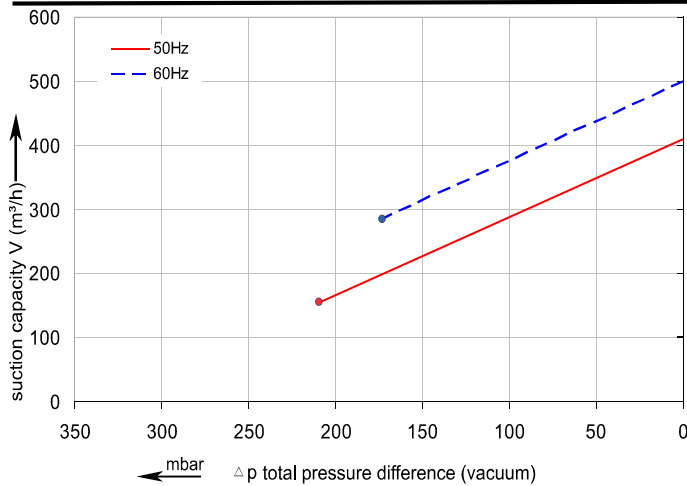
Accessories

49

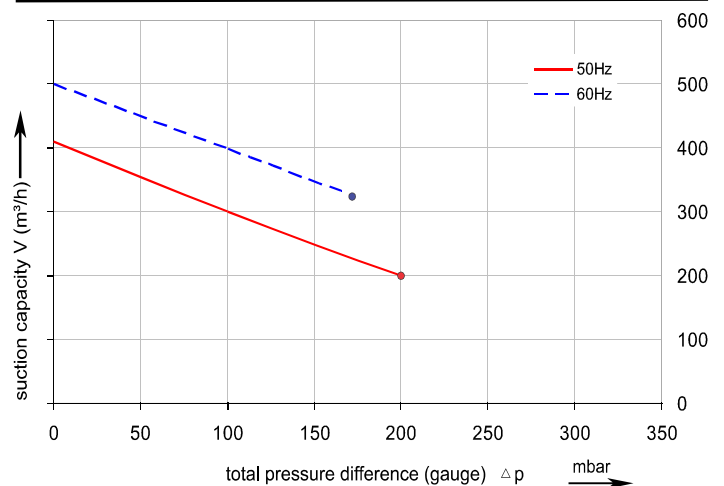
Single stage side channel vacuum pump / compressor **EVSC-S76B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S76B3

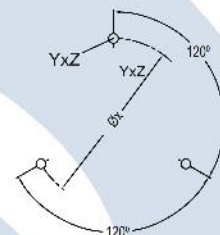
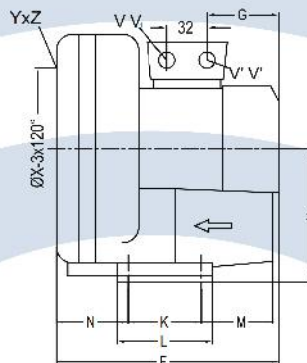
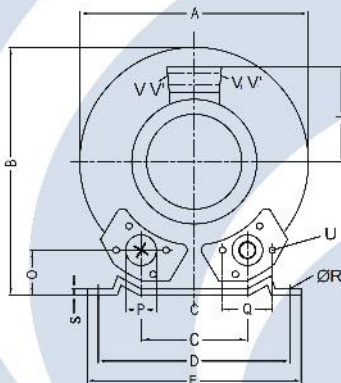
		50 Hz	60 Hz
Motor power	kW	3,0	3,45
Maximum airflow	m³/h	420	500
Ultimate pressure	mbar	+200	+170
Ultimate vacuum	mbar	-210	-180
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	11,4	10,8
Input current Y	A	6,5	6,2
Noise level	dB(A)	70	73
Weight	kg	34	34
Connection inlet	G(BSP)	2"	2"
Connection outlet	G(BSP)	2"	2"

Ordering Information TYPE EVSC-S76B3

EVSC-S76B3	3ph AC	141376
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140036
Compressor suction filter	140026
Set of feet for horizontal positioning	140012



Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V'	V ₁	V ₂	YxZ	X-Holes	ØX
EVSC-S76B3	3~	382	384	125	290	325	455	225	197	135	140	180	84	119	53	G2	83	15	4,5	M8X17	M32x1,5	M32x1,5	M32x1,5	M32x1,5	M10X20	0°/120°/240°	240



TYPE EVSC-S77B3

Ordering Information TYPE EVSC-S77B3

Accessories

Type	Phases																													X-Holes	ØX
		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V'	V ₁	V ₁	YxZ						
EVSC-S77B3	3~	382	384	125	290	325	480	249	197	148	140	180	84	119	53	G2	83	15	4.5	M8X17	M32x1.5	M32x1.5	M32x1.5	M32x1.5	M10X20	0°/120°/240°	240				