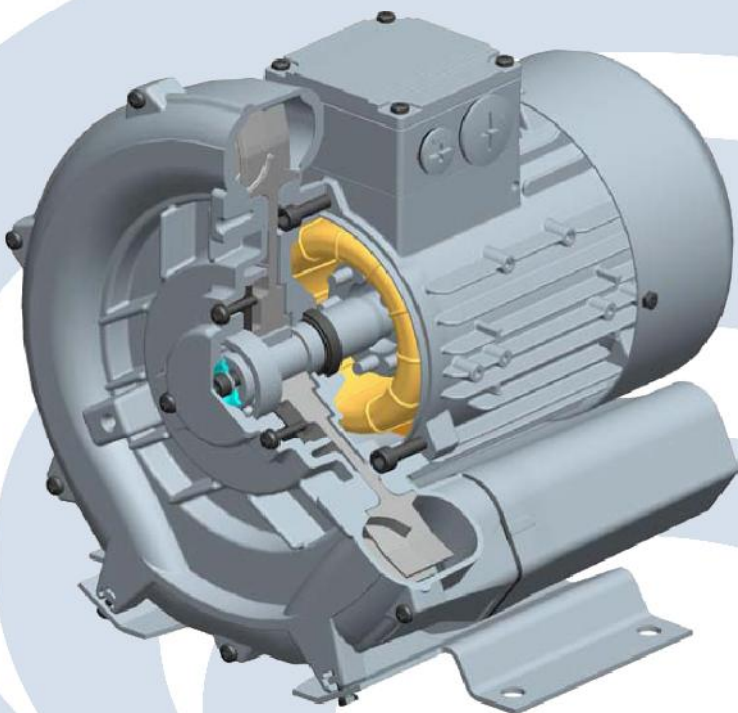
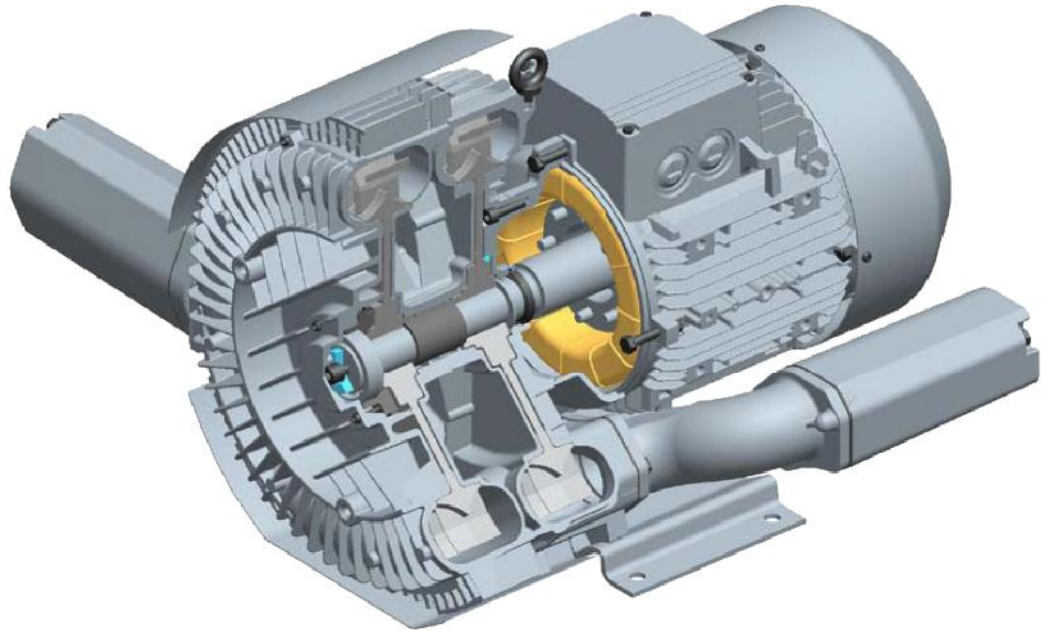


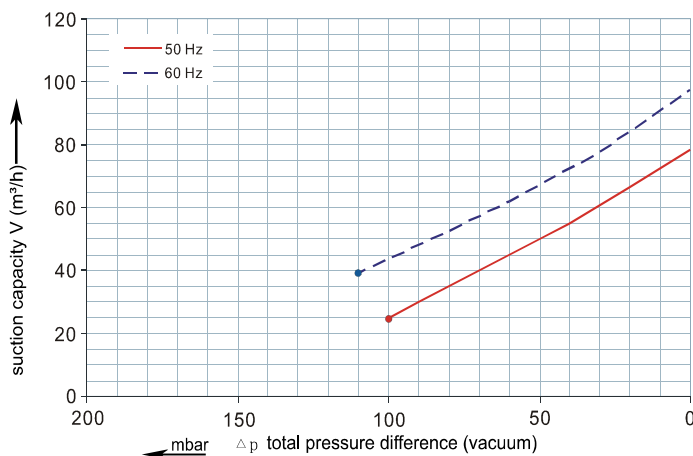
SIDE CHANNEL VACUUM PUMP COMPRESSORS



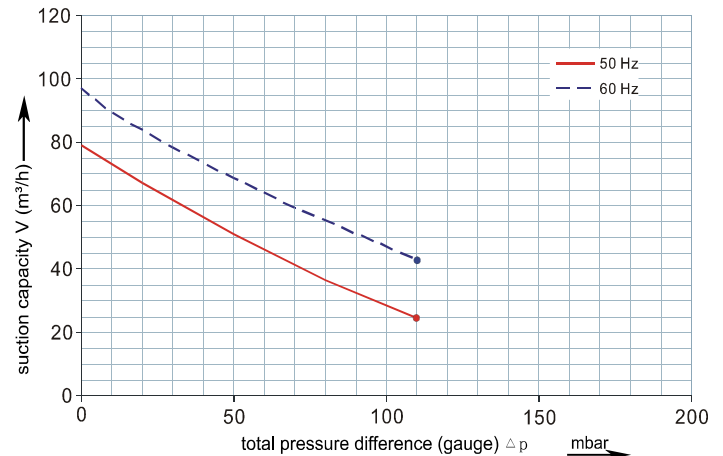


Single stage side channel vacuum pump / compressor **EVSC-S20A3**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S20A3

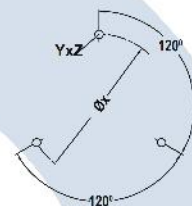
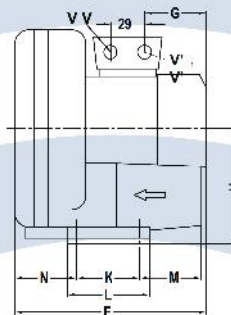
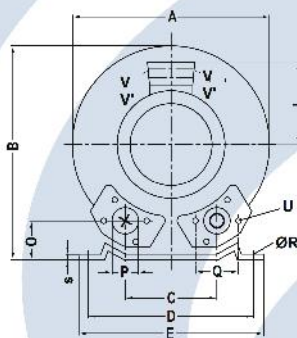
		50 Hz	60 Hz
Motor power	kW	0,25	0,29
Maximum airflow	m³/h	80	98
Ultimate pressure	mbar	+110	+110
Ultimate vacuum	mbar	-100	-110
Input voltage 3 phase Δ	V	200-240	220-275
Input voltage 3 phase Y	V	345-415	380-480
Input current Δ	A	2,1	2,0
Input current Y	A	1,2	1,15
Noise level	dB(A)	53	56
Weight	kg	9	9
Connection inlet	G(BSP)	1 1/4"	1 1/4"
Connection outlet	G(BSP)	1 1/4"	1 1/4"

Ordering Information TYPE EVSC-S20A3

EVSC-S23A3	3ph AC	141320
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	20800
Compressor suction filter	140024
Set of feet for horizontal positioning	140010

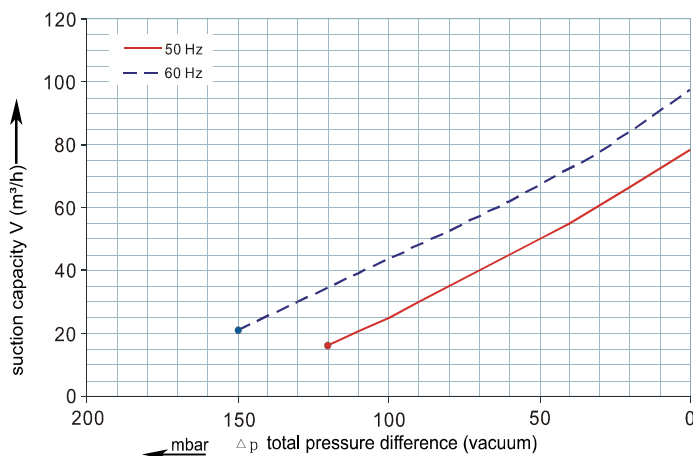


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁₋₃	V _{1'-3'}	V ₁₁₋₃₁	V _{11'-31'}	YxZ	X-Bohrungen X-Holes	ØX
EVSC-S20A3	3~	246	247	90	205	230	219	92	128	101	83	108	75	71	39	G11/4(15tief-deep)	64	10	2.5	M6x17	-	-	M25x1.5	M16x1.5	M6x15	0°/120°/240°	140

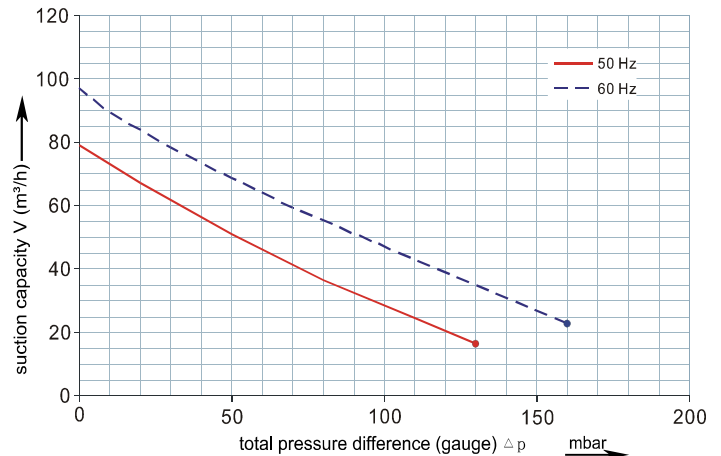


Single stage side channel vacuum pump / compressor **EVSC-S21A1**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S21A1

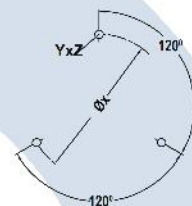
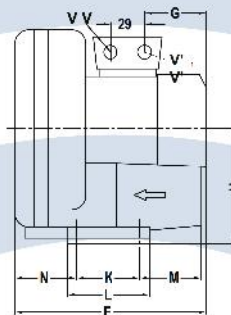
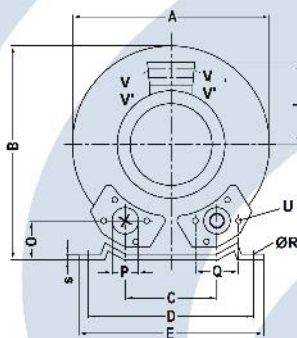
		50 Hz	60 Hz
Motor power	kW	0,37	0,45
Maximum airflow	m³/h	80	96
Ultimate pressure	mbar	+110	+140
Ultimate vacuum	mbar	-110	-130
Input voltage	V	230	230
Input current	A	2,7	3,0
Noise level	dB(A)	53	56
Weight	kg	11	11
Connection	inlet	G(BSP) 1 1/4"	1 1/4"
	outlet	G(BSP) 1 1/4"	1 1/4"

Ordering Information TYPE EVSC-S21A1

EVSC-S21A1	1ph AC	141121
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	20800
Compressor suction filter	140024
Set of feet for horizontal positioning	140010

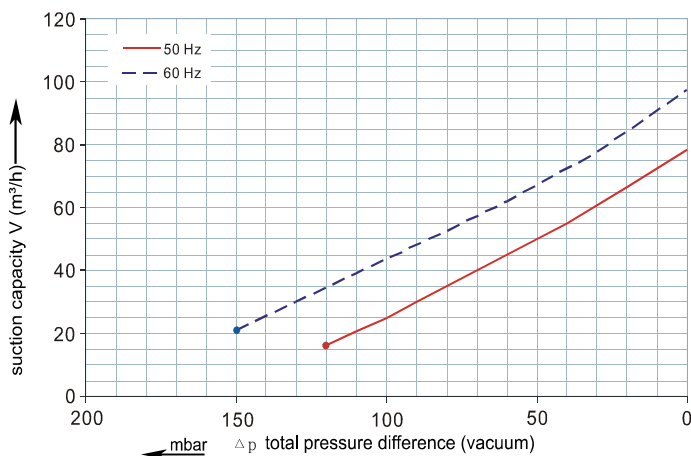


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₀₋₁	V ₁₋₂	V ₂₋₃	V ₃₋₄	YxZ	X-Bohrungen X-Holes	ØX
EVSC-S20A1	1~	246	247	90	205	230	256	135	128	111	83	108	75	71	39	G11/4(15tief-deep)	64	10	2.5	M6x17	M16x1.5	M25x1.5	-	-	M6x15	0°/120°/240°	140

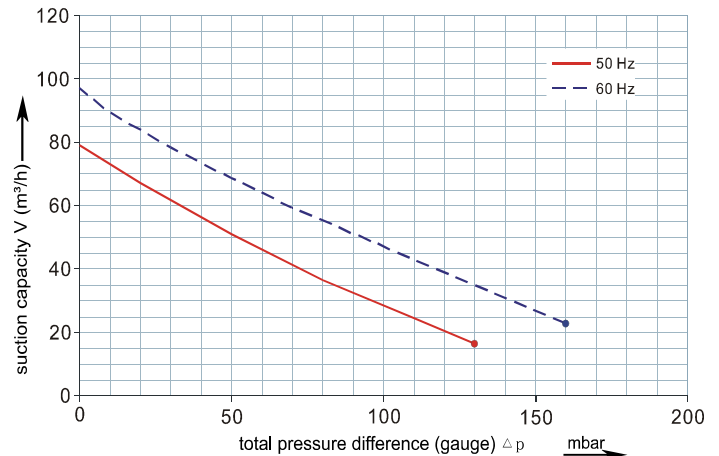


Single stage side channel vacuum pump / compressor **EVSC-S21A3**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S21A3

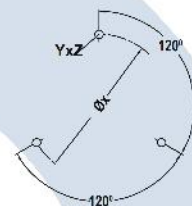
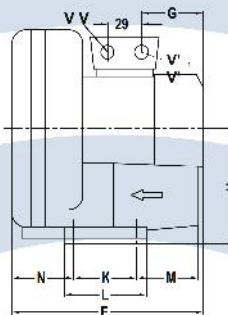
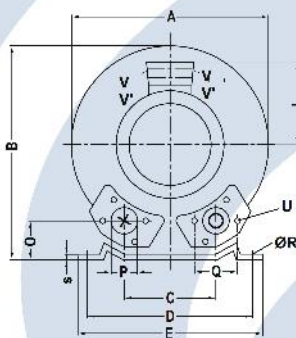
		50 Hz	60 Hz
Motor power	kW	0,4	0,5
Maximum airflow	m³/h	80	98
Ultimate pressure	mbar	+130	+160
Ultimate vacuum	mbar	-120	-150
Input voltage 3 phase Δ	V	200-240	345-415
Input voltage 3 phase Y	V	220/275	380-480
Input current Δ	A	2,6	2,6
Input current Y	A	1,5	1,5
Noise level	dB(A)	53	56
Weight	kg	10	10
Connection inlet	G(BSP)	1 1/4"	1 1/4"
Connection outlet	G(BSP)	1 1/4"	1 1/4"

Ordering Information TYPE EVSC-S21A3

EVSC-S21A3	50/60 Hz	141321
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	20800
Compressor suction filter	140024
Set of feet for horizontal positioning	140010

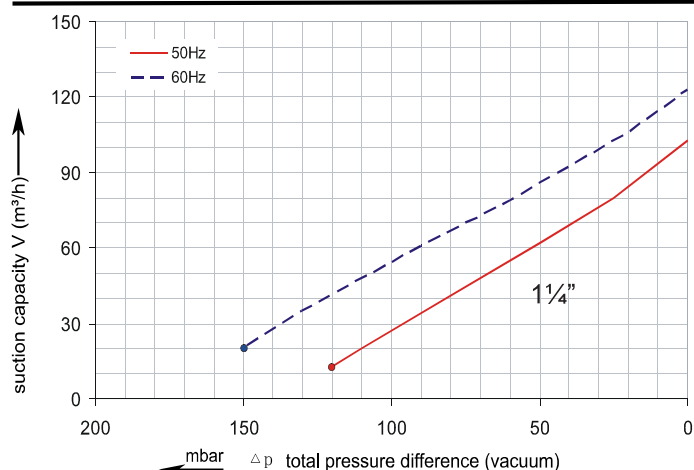


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁₋₃	V ₁₋₄	V ₁₋₅	V ₁₋₆	YxZ	X-Bohrungen X-Holes	ØX
EVSC-S21A3	3~	246	247	90	205	230	256	135	128	111	83	108	75	71	39	G11/4(15tief-deep)	64	10	2.5	M6x17	-	-	M25x1.5	M16x1.5	M6x15	0°/120°/240°	140

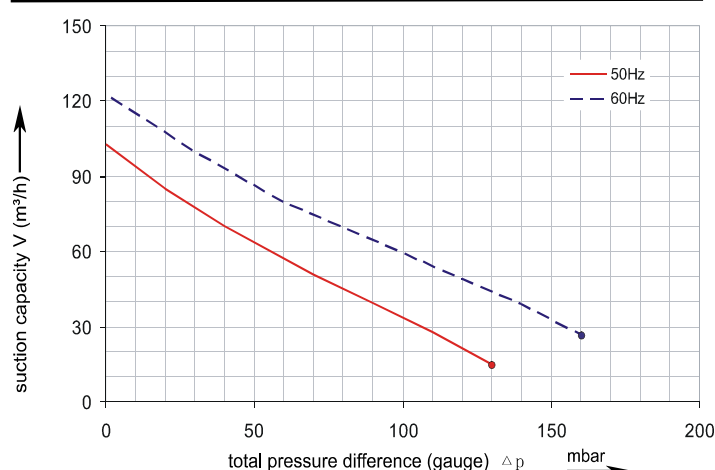


Single stage side channel vacuum pump / compressor **EVSC-S23A3**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S23A3

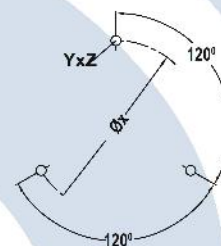
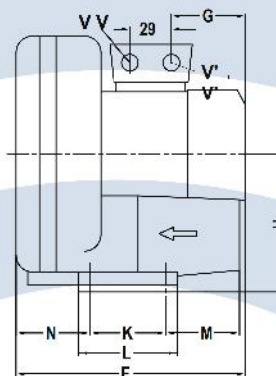
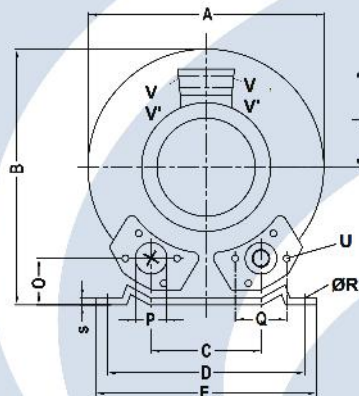
		50 Hz	60 Hz
Motor power	kW	0,4	0,5
Maximum airflow	m³/h	105	120
Ultimate pressure	mbar	+130	+160
Ultimate vacuum	mbar	-120	-150
Input voltage 3 phase Δ	V	200-240	220-275
Input voltage 3 phase Y	V	345-415	380-480
Input current Δ	A	2,6	2,6
Input current Y	A	1,5	1,5
Noise level	dB(A)	54	57
Weight	kg	11	11
Connection inlet	G(BSP)	1 1/4"	1 1/4"
Connection outlet	G(BSP)	1 1/4"	1 1/4"

Ordering Information TYPE EVSC-S23A3

EVSC-S23A3	3ph AC	141322
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	20800
Compressor suction filter	140024
Set of feet for horizontal positioning	140010

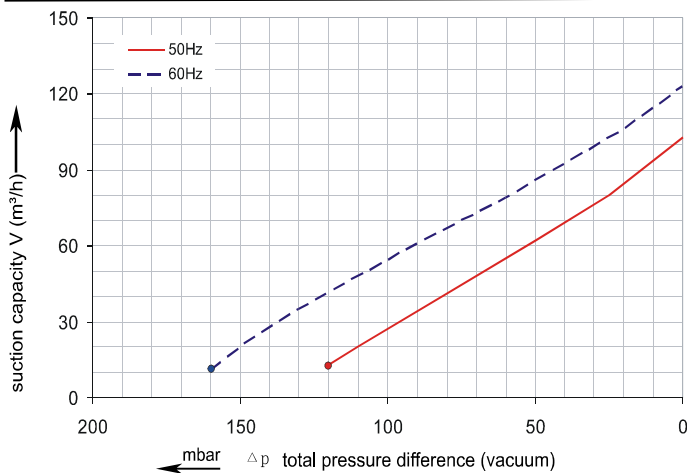


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁	V ₂	V ₁₀₋₁	V ₁₀₋₂	YxZ	X-Bohrungen X-Holes	ØX
EVSC-S23A3	3~	246	247	90	205	230	267	138	128	111	83	108	75	82	39	G1/4(15tief-deep)	64	10	2.5	M6x17	-	-	M25x1.5	M16x1.5	M6x15	0°/120°/240°	140

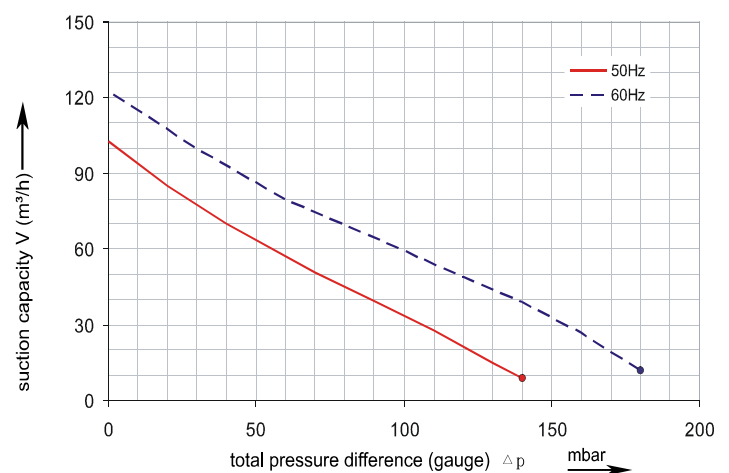


Single stage side channel vacuum pump / compressor **EVSC-S24A3**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S24A3

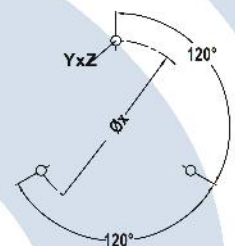
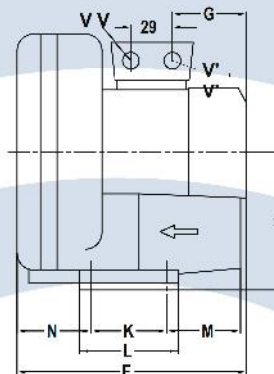
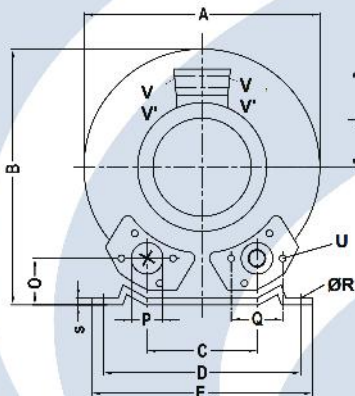
		50 Hz	60 Hz
Motor power	kW	0,7	0,83
Maximum airflow	m³/h	105	120
Ultimate pressure	mbar	+140	+180
Ultimate vacuum	mbar	-120	-160
Input voltage 3 phase Δ	V	200-240	220-275
Input voltage 3 phase Y	V	345-415	380-480
Input current Δ	A	3,8	3,75
Input current Y	A	2,2	2,15
Noise level	dB(A)	54	57
Weight	kg	12	12
Connection inlet	G(BSP)	1 1/4"	1 1/4"
Connection outlet	G(BSP)	1 1/4"	1 1/4"

Ordering Information TYPE EVSC-S24A3

EVSC-S24A3	3ph AC	141323
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	20800
Compressor suction filter	140024
Set of feet for horizontal positioning	140010

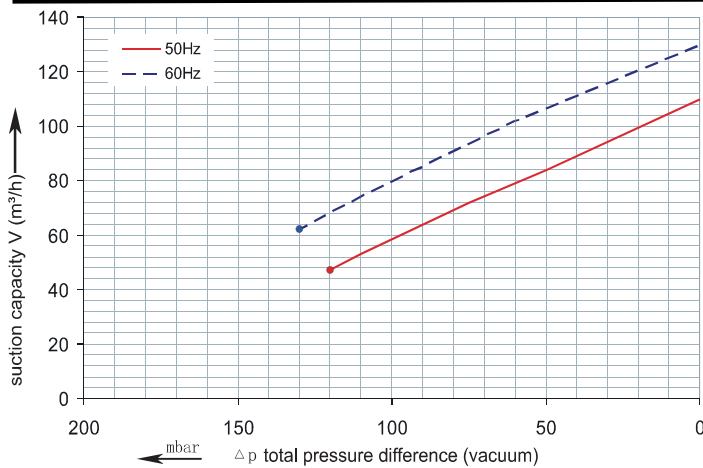


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V _Δ	V _Y	V _{10-Δ}	V _{10-Y}	YxZ	X-Bohrungen X-Holes	ØX
EVSC-S24A3	3~	246	247	90	205	230	267	135	128	111	83	108	75	82	39	G1/4(15tief-deep)	64	10	2.5	M6x17	-	-	M25x1.5	M16x1.5	M6x15	0°/120°/240°	140

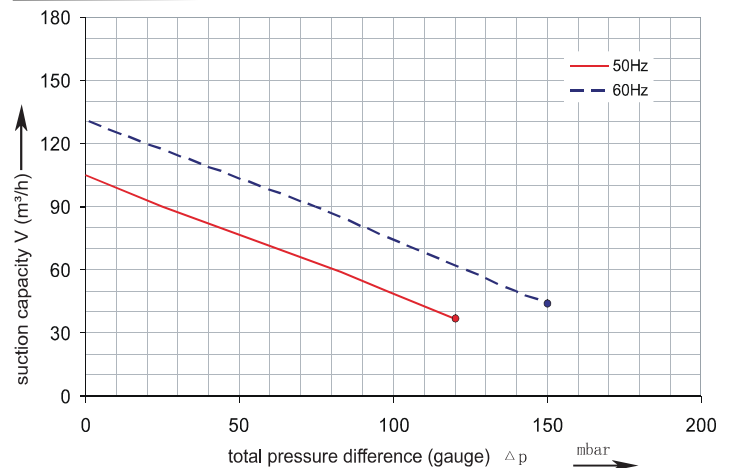


Single stage side channel vacuum pump / compressor **EVSC-S30A1**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S30A1

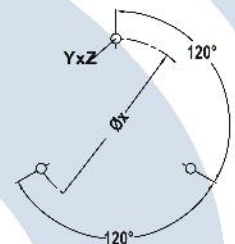
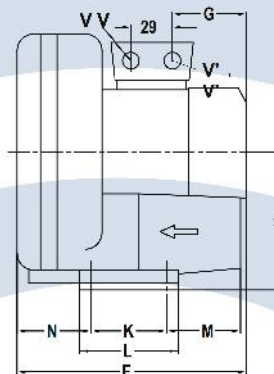
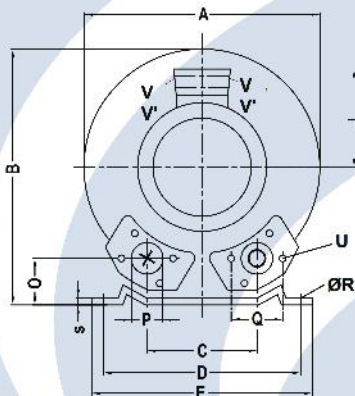
		50 Hz	60 Hz
Motor power	kW	0,55	0,62
Maximum airflow	m³/h	100	120
Ultimate pressure	mbar	+120	+150
Ultimate vacuum	mbar	-120	-130
Input voltage	V	230	230
Input current	A	3,7	4,5
Noise level	dB(A)	55	57
Weight	kg	13	13
Connection	inlet	G(BSP) 1¼"	1¼"
	outlet	G(BSP) 1¼"	1¼"

Ordering Information TYPE EVSC-S30A1

EVSC-S30A1	1ph AC	141130
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	20800
Compressor suction filter	140024
Set of feet for horizontal positioning	140010



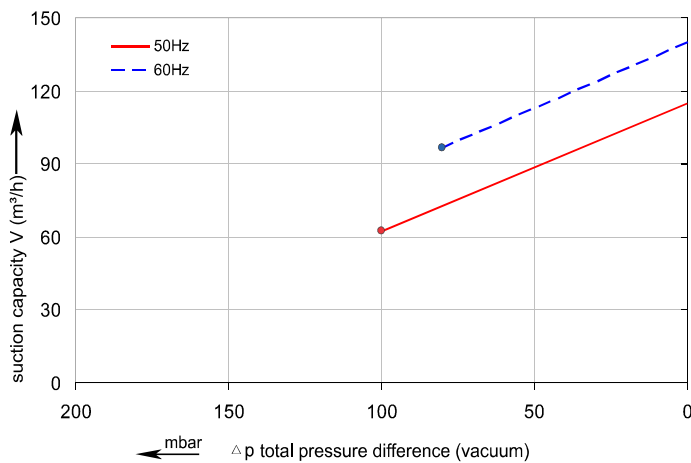
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁₋₁	V ₂₋₁	V ₃₋₁	V ₁₀₋₁	YxZ	X-Bohrungen X-Holes	ØX
EVSC-S30A1	1~	268	272	93	205	230	260	135	141	111	83	108	82	69	41	G1¼(15tief deep)	64	10	2.5	M6x17	M25x1.5	M16x1.5	-	-	M6x15	0°/120°/240°	140



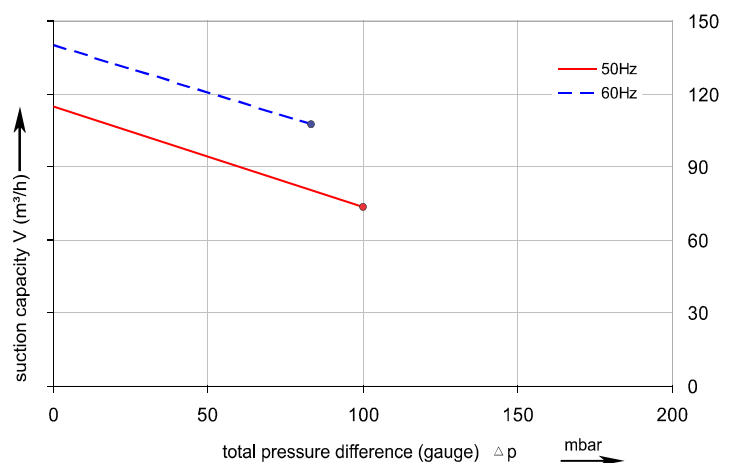
Single stage side channel vacuum pump / compressor **EVSC-S30B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S30B3

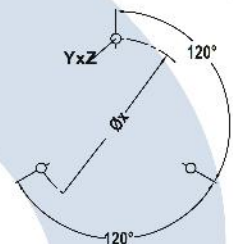
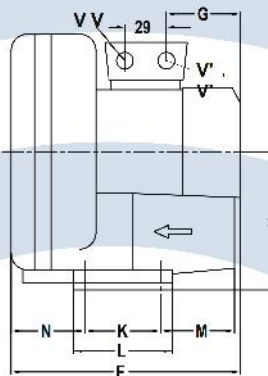
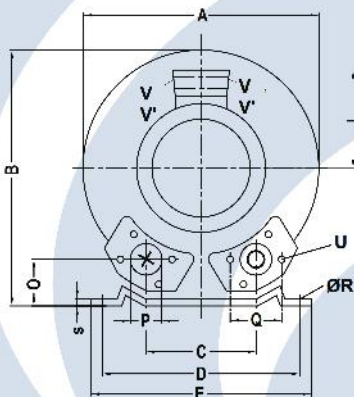
		50 Hz	60 Hz
Motor power	kW	0,55	0,63
Maximum airflow	m³/h	115	140
Ultimate pressure	mbar	+100	+80
Ultimate vacuum	mbar	-100	-80
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	2,7	2,86
Input current Y	A	1,57	1,65
Noise level	dB(A)	63	64
Weight	kg	13	13
Connection inlet	G(BSP)	1 1/4"	1 1/4"
Connection outlet	G(BSP)	1 1/4"	1 1/4"

Ordering Information TYPE EVSC-S30B3

EVSC-S30B3	3ph AC	141330
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	20800
Compressor suction filter	140024
Set of feet for horizontal positioning	140010

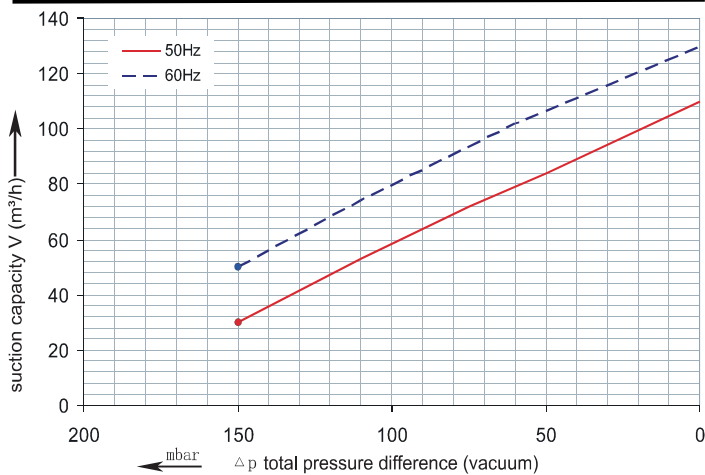


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V'	V''	V'''	YxZ	X-Holes	ØX
EVSC-S30B3	3~	268	272	93	205	230	260	135	141	111	83	108	82	69	41	G1 1/4	64	10	2.5	M6x17	M25x1.5	M16x1.5	-	-	M6x19	0°/120°/240°	160

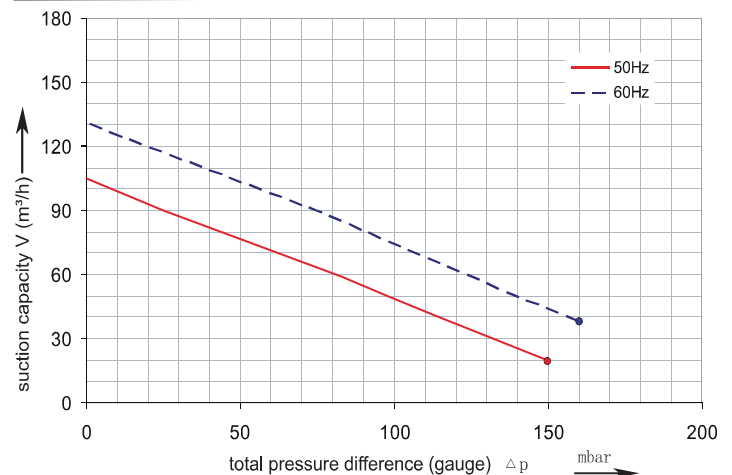


Single stage side channel vacuum pump / compressor **EVSC-S31A1**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S31A1

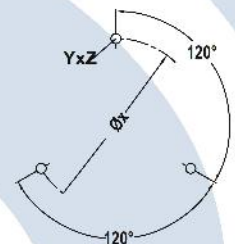
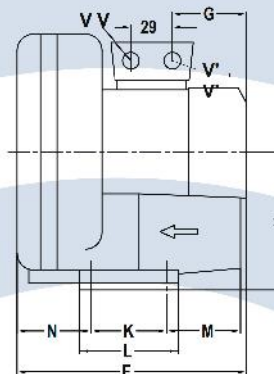
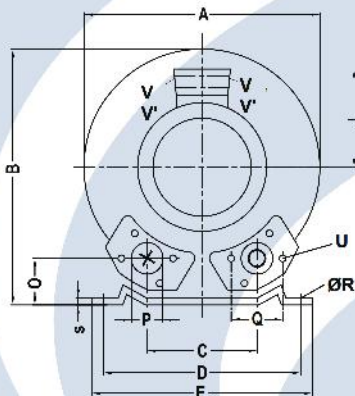
		50 Hz	60 Hz
Motor power	kW	0,7	0,8
Maximum airflow	m³/h	100	120
Ultimate pressure	mbar	+150	+160
Ultimate vacuum	mbar	-150	-150
Input voltage	V	230	230
Input current	A	4,8	4,1
Noise level	dB(A)	55	57
Weight	kg	14	14
Connection	inlet	G(BSP) 1¼"	1¼"
	outlet	G(BSP) 1¼"	1¼"

Ordering Information TYPE EVSC-S31A1

EVSC-S31A1	3ph AC	141131
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	20800
Compressor suction filter	140024
Set of feet for horizontal positioning	140010



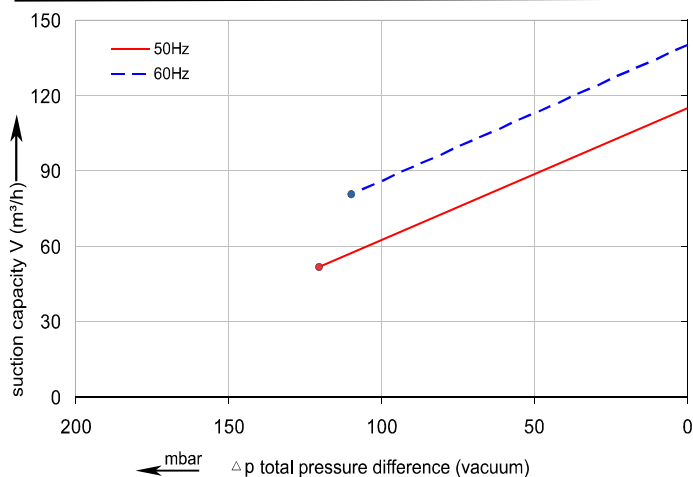
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁₁₋₁	V ₁₁₋₂	V ₁₁₋₃	V ₁₁₋₄	YxZ	X-Bohrungen X-Holes	ØX
141131	1~	268	272	93	205	230	260	135	141	111	83	108	82	69	41	G1/4(15 tief-deep)	64	10	2.5	M6x17	M25x1.5	M16x1.5	-	-	M6x15	Ø"/120°/240°	140



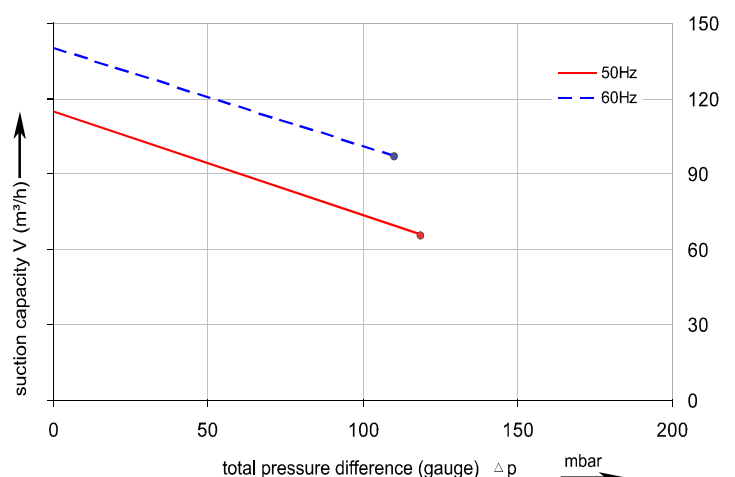
Single stage side channel vacuum pump / compressor **EVSC-S31B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S31B3

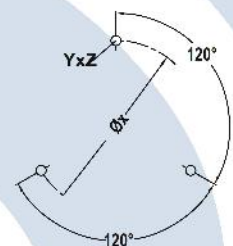
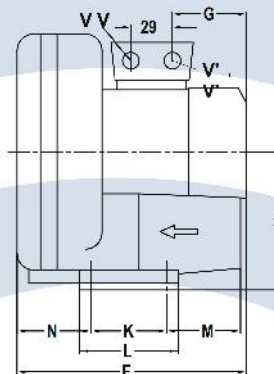
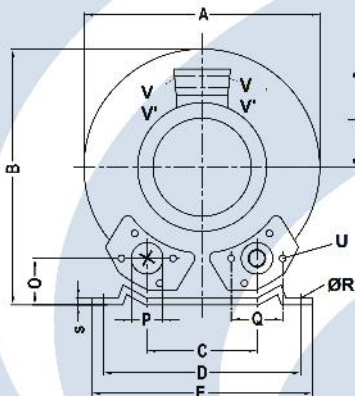
		50 Hz	60 Hz
Motor power	kW	0,75	0,86
Maximum airflow	m³/h	115	140
Ultimate pressure	mbar	+120	+110
Ultimate vacuum	mbar	-120	-110
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	3,12	3,1
Input current Y	A	1,8	1,9
Noise level	dB(A)	63	64
Weight	kg	15	15
Connection inlet	G(BSP)	1 1/4"	1 1/4"
Connection outlet	G(BSP)	1 1/4"	1 1/4"

Ordering Information TYPE EVSC-S31B3

EVSC-S31B3	3ph AC	141331
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	20800
Compressor suction filter	140024
Set of feet for horizontal positioning	140010



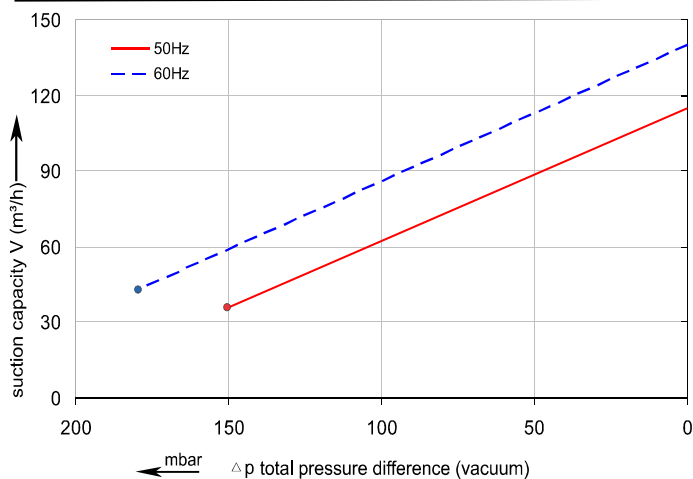
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V'	V''	V'''	YxZ	X-Holes	ØX
EVSC-S31B3	3~	268	272	93	205	230	285	160	141	120	83	108	82	69	41	G1 1/4	64	10	2.5	M6x17	M25x1.5	M16x1.5	-	-	M6x19	0°/120°/240°	160



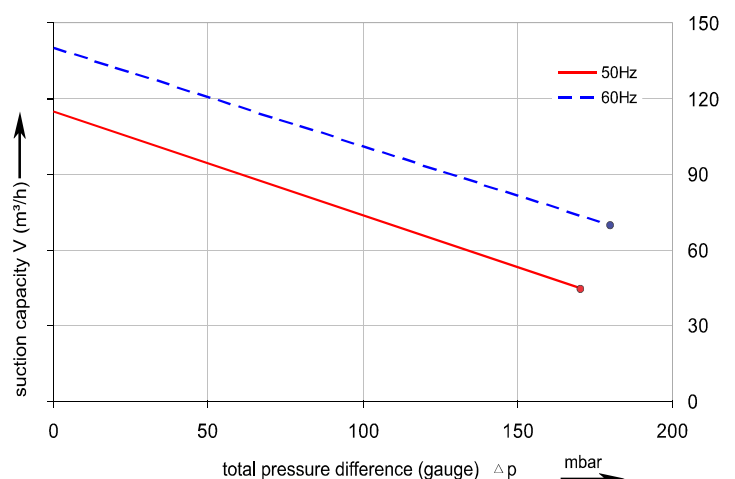
Single stage side channel vacuum pump / compressor **EVSC-S34B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S34B3

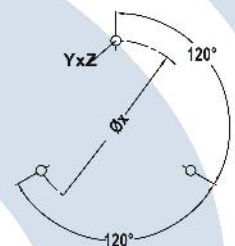
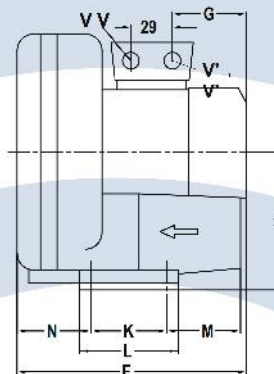
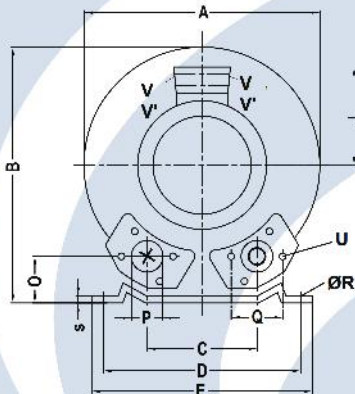
		50 Hz	60 Hz
Motor power	kW	1,1	1,3
Maximum airflow	m³/h	115	140
Ultimate pressure	mbar	+170	+180
Ultimate vacuum	mbar	-150	-180
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	4,35	3,1
Input current Y	A	2,5	2,6
Noise level	dB(A)	63	64
Weight	kg	16	16
Connection	inlet	G(BSP) 1 1/4"	1 1/4"
	outlet	G(BSP) 1 1/4"	1 1/4"

Ordering Information TYPE EVSC-S34B3

EVSC-S34B3	3ph AC	141334
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	20800
Compressor suction filter	140024
Set of feet for horizontal positioning	140010



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-S34B3	3~	268	272	93	205	230	260	160	141	120	83	108	82	69	41	G1 1/4	64	10	2,5	M6x17	M25x1,5	M16x1,5	-	-	M6x19	0°/120°/240°	160



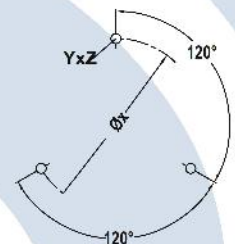
Graph showing suction capacity V (m³/h) versus total pressure difference Δp (mbar) for two frequencies: 50Hz (solid red line) and 60Hz (dashed blue line). The suction capacity increases with the total pressure difference for both frequencies, with the 60Hz capacity being higher than the 50Hz capacity.

Δp (mbar)	V (m³/h) at 50Hz	V (m³/h) at 60Hz
60	100	-
50	-	135
0	140	165

Frequency (Hz)	Line Style	total pressure difference (gauge) Δp (mbar)	suction capacity V (m^3/h)
50	Solid Red	0	~140
50	Solid Red	60	100
60	Dashed Blue	0	~165
60	Dashed Blue	50	~135

			50 Hz	60 Hz
Motor power	kW		0,55	0,63
Maximum airflow	m ³ /h		140	165
Ultimate pressure	mbar		+60	+50
Ultimate vacuum	mbar		-60	-50
Input voltage 3 phase Δ	V		200-240	220-275
Input voltage 3 phase Y	V		345-415	380-480
Input current Δ	A		2,8	3,0
Input current Y	A		1,6	1,7
Noise level	dB(A)		56	58
Weight	kg		12	12
Connection				
inlet	G(BSP)		1¼"	1¼"
outlet	G(BSP)		1¼"	1¼"

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	20800
Compressor suction filter	140024
Set of feet for horizontal positioning	140010



Type	Phases																					X-Bohrungen X-Holes					
		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₀₋₁	V ₀₋₁	V ₁₀₋₁	V ₁₀₋₁	YxZ		
EVSC-S32A3	3~	268	272	93	205	230	276	135	141	111	83	108	82	85	41	G14(15)ief-deep	64	10	2.5	M6x17	-	-	M25x1.5	M16x1.5	M6x15	0°/120°/240°	160



The graph shows the suction capacity V in m^3/h on the y-axis (0 to 200) against the total pressure difference Δp in mbar on the x-axis (150 to 0). Two curves are plotted: a solid red line for 50Hz and a dashed blue line for 60Hz. Both curves show an increase in suction capacity as the pressure difference decreases. The 60Hz curve is consistently higher than the 50Hz curve.

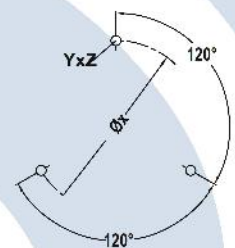
Δp (mbar)	V (m³/h) at 50Hz	V (m³/h) at 60Hz
110	70	95
0	140	165

The graph illustrates the relationship between suction capacity and total pressure difference for two different frequencies. The y-axis represents suction capacity V in m^3/h , ranging from 0 to 200. The x-axis represents the total pressure difference Δp in mbar, ranging from 0 to 120. Two data series are plotted: a red solid line for 50Hz and a blue dashed line for 60Hz. Both series show a linear decrease in suction capacity as the pressure difference increases. The 60Hz series maintains a higher suction capacity than the 50Hz series across the entire range of pressure differences shown.

total pressure difference (gauge) Δp (mbar)	suction capacity V (m^3/h) at 50Hz	suction capacity V (m^3/h) at 60Hz
0	140	165
20	125	155
40	110	145
60	95	130
80	80	115
100	65	100

			50 Hz	60 Hz
Motor power		kW	0,7	0,8
Maximum airflow		m ³ /h	145	165
Ultimate pressure		mbar	+100	+100
Ultimate vacuum		mbar	-100	-110
Input voltage		V	230	230
Input current		A	4,8	4,1
Noise level		dB(A)	56	58
Weight		kg	14	14
Connection	inlet	G(BSP)	1¼"	1¼"
	outlet	G(BSP)	1¼"	1¼"

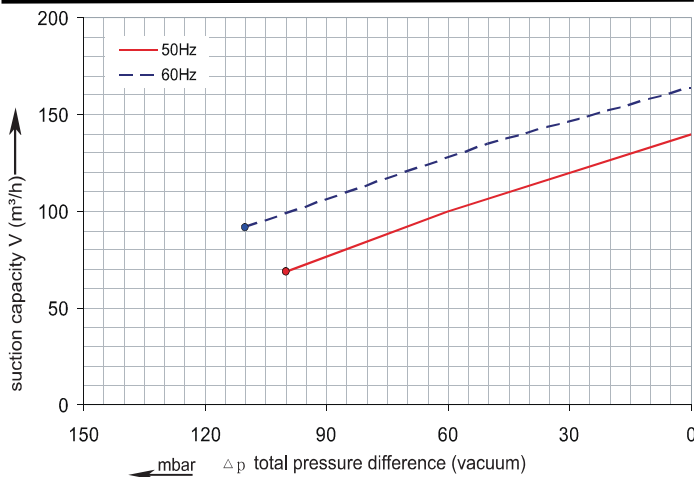
Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	20800
Compressor suction filter	140024
Set of feet for horizontal positioning	140010

14

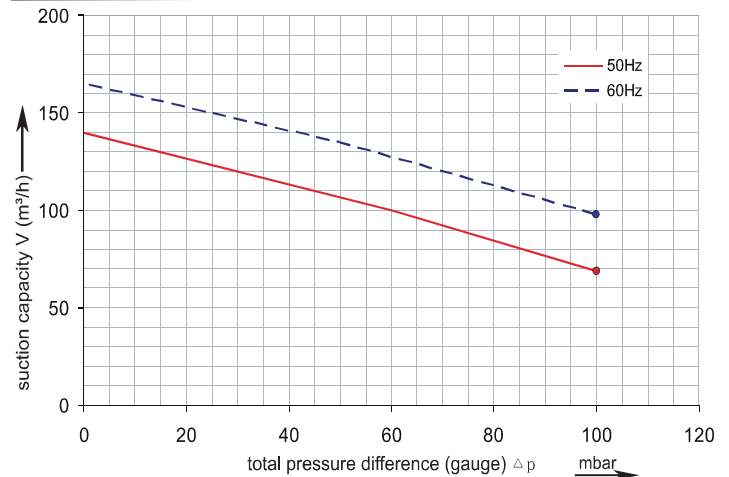


Single stage side channel vacuum pump / compressor **EVSC-S33A3**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S33A3

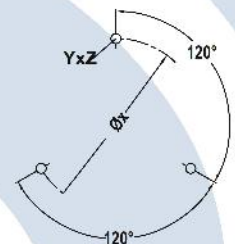
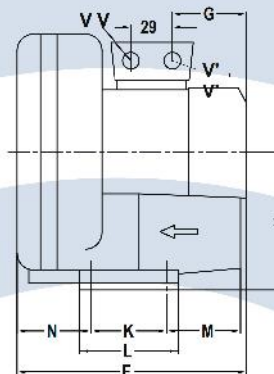
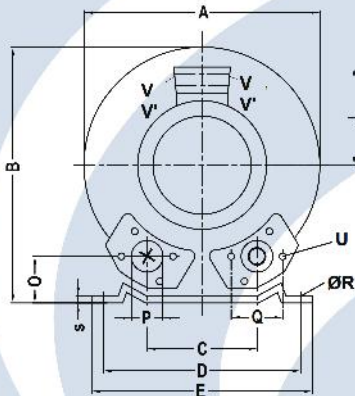
		50 Hz	60 Hz
Motor power	kW	0.75	0.83
Maximum airflow	m³/h	140	165
Ultimate pressure	mbar	+100	+100
Ultimate vacuum	mbar	-100	-115
Input voltage 3 phase Δ	V	200-240	220-275
Input voltage 3 phase Y	V	345-415	380-480
Input current Δ	A	3,8	3,8
Input current Y	A	2,2	2,2
Noise level	dB(A)	56	58
Weight	kg	13	13
Connection inlet	G(BSP)	1 1/4"	1 1/4"
Connection outlet	G(BSP)	1 1/4"	1 1/4"

Ordering Information TYPE EVSC-S33A3

EVSC-S33A3	3ph AC	141333
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	20800
Compressor suction filter	140024
Set of feet for horizontal positioning	140010



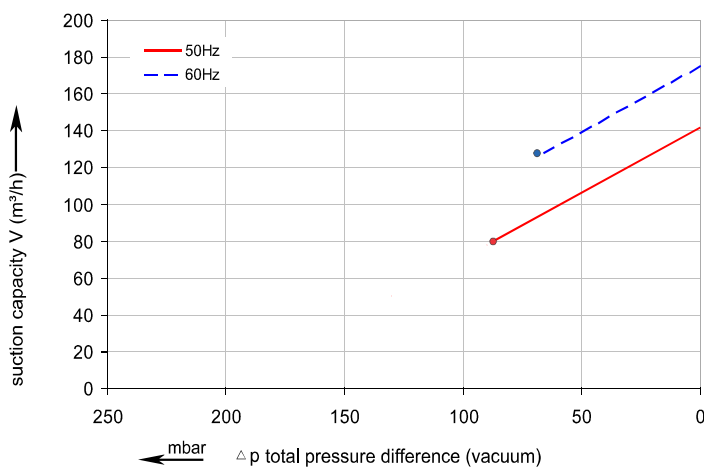
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁₋₁	V ₂₋₁	V ₃₋₁	V ₁₋₂	V ₂₋₂	V ₃₋₂	YxZ	X-Bohrungen X-Holes	ØX
EVSC-S33A3	1~	268	272	93	205	230	276	135	141	111	83	108	82	85	41	G1/4(15tief-deep)	64	10	2.5	M6x17				M25x1.5	M16x1.5	M6x15	0°/120°/240°		160



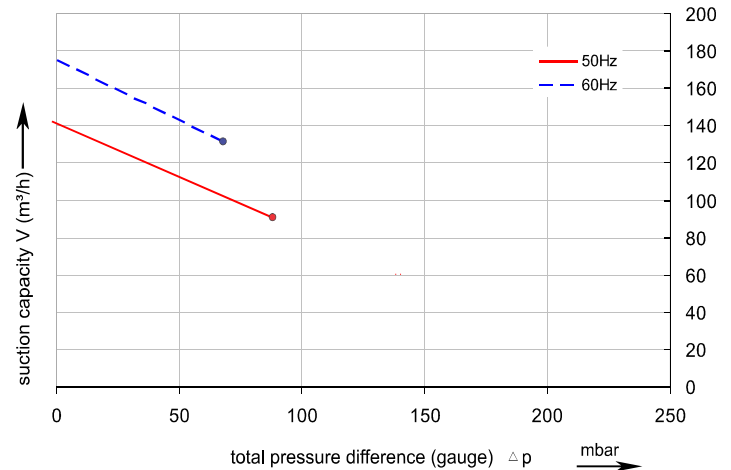
Single stage side channel vacuum pump / compressor **EVSC-S40B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S40B3

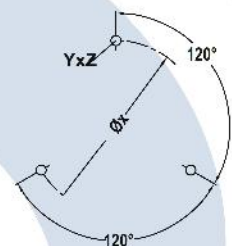
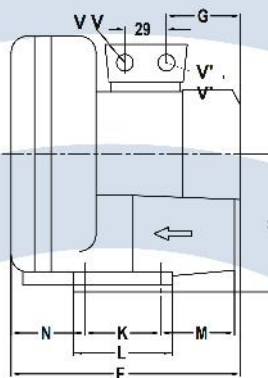
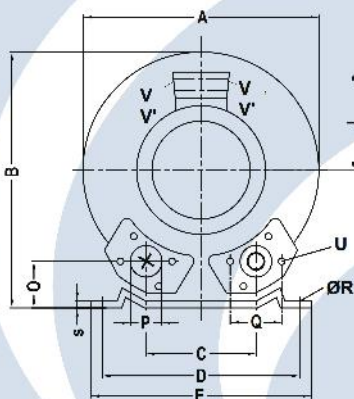
		50 Hz	60 Hz
Motor power	kW	0,55	0,63
Maximum airflow	m³/h	145	175
Ultimate pressure	mbar	+90	+90
Ultimate vacuum	mbar	-90	+70
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	2,7	2,86
Input current Y	A	1,57	1,65
Noise level	dB(A)	63	64
Weight	kg	13	13
Connection inlet	G(BSP)	1 1/4"	1 1/4"
Connection outlet	G(BSP)	1 1/4"	1 1/4"

Ordering Information TYPE EVSC-S40B3

EVSC-S40B3	3ph AC 141340
Other voltages/frequencies	Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	20800
Compressor suction filter	140024
Set of feet for horizontal positioning	140010

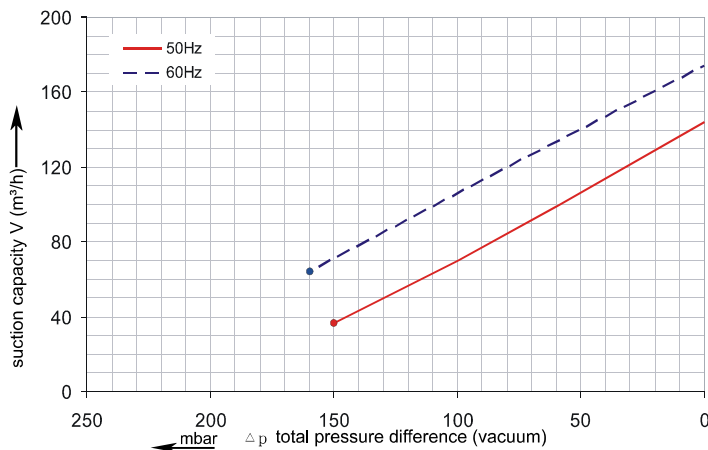


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V	V1	V1	YxZ	X-Holes	ØX
EVSC-S40A3	3~	286	302	115	225	255	269	135	154	111	95	130	70	75	45	G1 1/4	72	12	3	M6x19	M25x1.5	M16x1.5	-	-	M6x19	0°/120°/240°	174

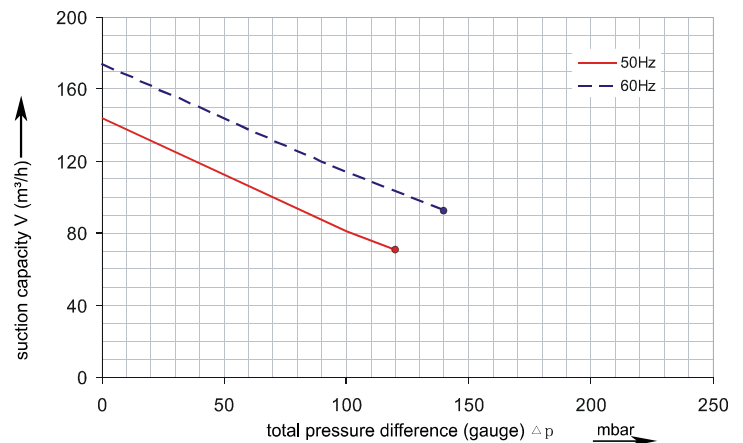


Single stage side channel vacuum pump / compressor **EVSC-S41A1**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S41A1

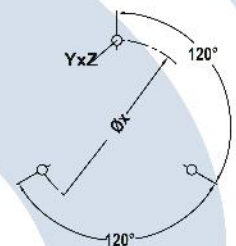
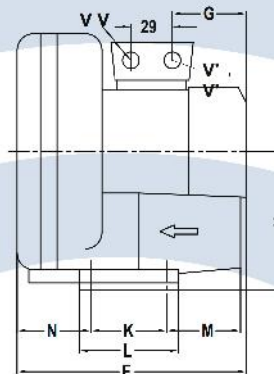
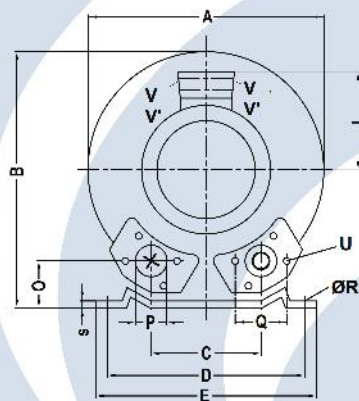
		50 Hz	60 Hz
Motor power	kW	0,8	0,9
Maximum airflow	m³/h	145	175
Ultimate pressure	mbar	+160	+140
Ultimate vacuum	mbar	-150	-160
Input voltage	V	230	230
Input current	A	5,2	5,8
Noise level	dB(A)	63	64
Weight	kg	15	15
Connection	inlet	G(BSP) 1½"	1½"
	outlet	G(BSP) 1½"	1½"

Ordering Information TYPE EVSC-S41A1

EVSC-S41A1	1ph AC	141141
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	140010



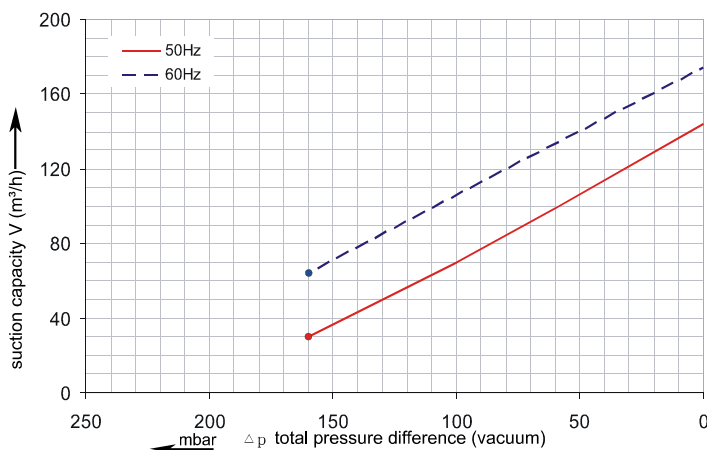
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁₋₁	V ₁₋₂	V ₁₋₃	V ₁₋₄	YxZ	X-Bohrungen X-Holes	ØK
EVSC-S42A1	1~	286	302	115	225	255	294	160	154	120	95	130	70	75	46	G1½(15tief-deep)	72	12	3	M6x19	M16x1,5	M25x1,5	-	-	M6x15	0°/120°/240°	174



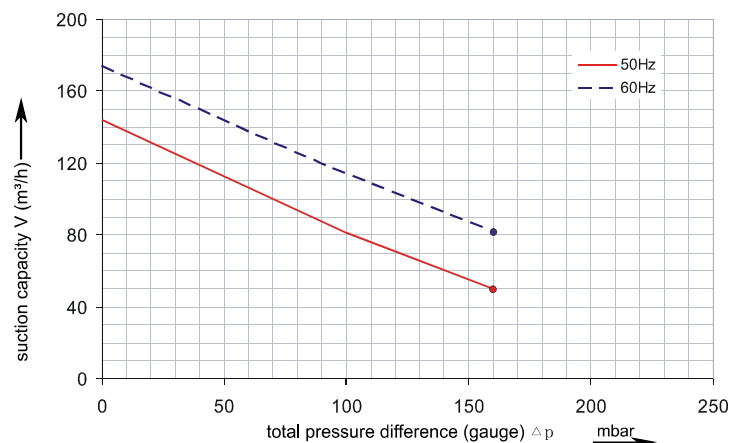
Single stage side channel vacuum pump / compressor **EVSC-S41B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S41B3

		50 Hz	60 Hz
Motor power	kW	0,75	0,86
Maximum airflow	m³/h	145	175
Ultimate pressure	mbar	+130	+120
Ultimate vacuum	mbar	-130	-120
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	3,12	3,1
Input current Y	A	1,8	1,9
Noise level	dB(A)	63	64
Weight	kg	15	15
Connection inlet	G(BSP)	1 1/4"	1 1/4"
Connection outlet	G(BSP)	1 1/4"	1 1/4"

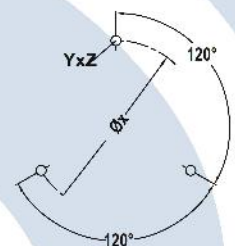
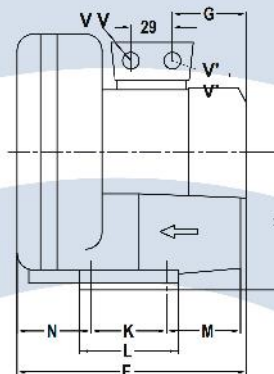
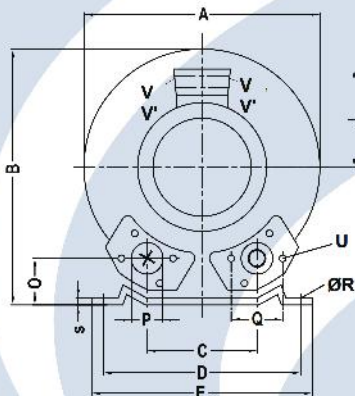
Ordering Information TYPE EVSC-S41B3

EVSC-S41B3	3ph AC	141341
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	20800
Compressor suction filter	140024

Set of feet for horizontal positioning	140010
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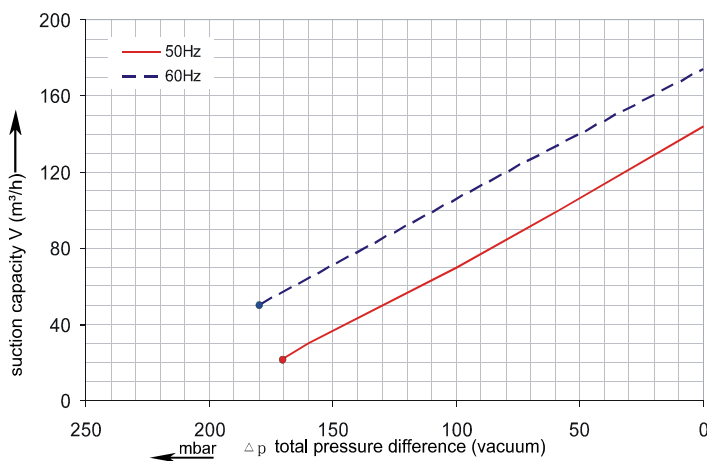


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V'	V1	V2	YxZ	X-Holes	ØX
EVSC-S41B3	3~	286	302	115	225	255	294	160	154	120	95	130	70	75	45	G1/4"	72	12	3	M6x19	M25x1,5	M16x1,5	-	-	M6x19	0°/120°/240°	174

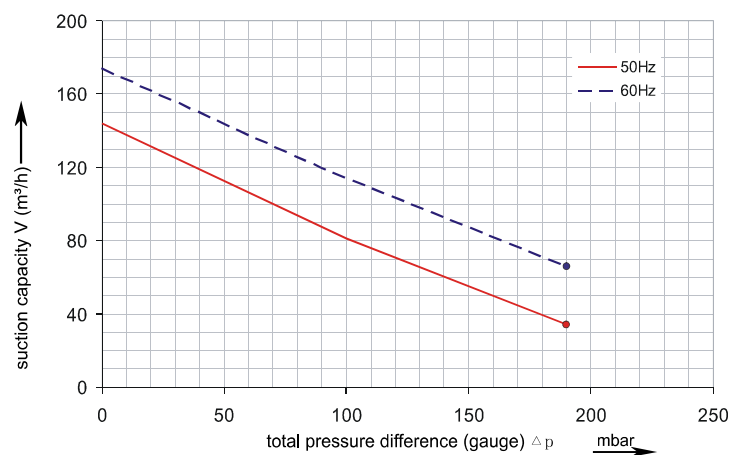


Single stage side channel vacuum pump / compressor **EVSC-S42A1**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S42A1

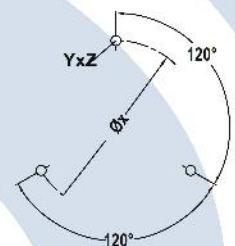
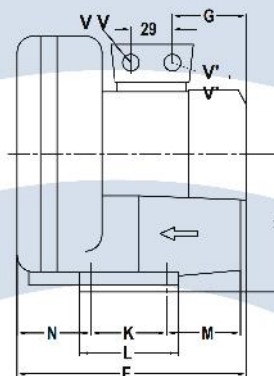
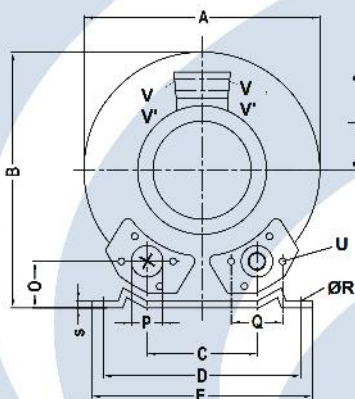
		50 Hz	60 Hz
Motor power	kW	1,1	1,3
Maximum airflow	m³/h	145	175
Ultimate pressure	mbar	+190	+190
Ultimate vacuum	mbar	-170	-180
Input voltage	V	230	230
Input current	A	7,3	8,3
Noise level	dB(A)	63	64
Weight	kg	16	16
Connection	inlet	G(BSP) 1½"	1½"
	outlet	G(BSP) 1½"	1½"

Ordering Information TYPE EVSC-S42A1

EVSC-S42A1	1ph AC	141142
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	140010



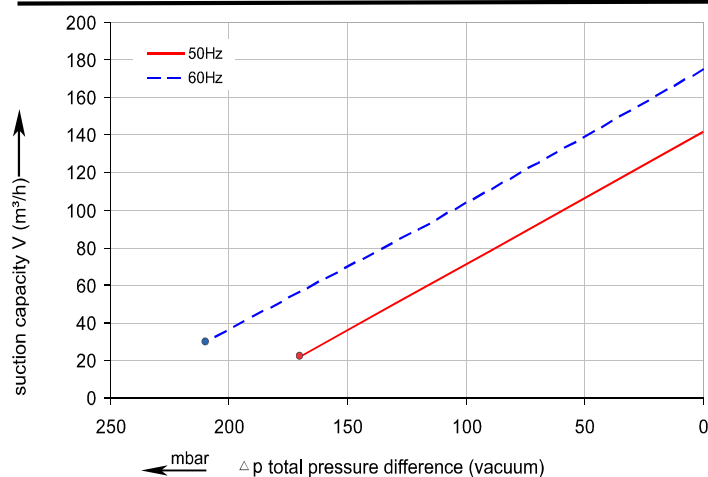
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁₋₁	V ₁₋₂	V ₁₋₃	V ₁₋₄	YxZ	X-Bohrungen X-Holes	ØK
EVSC-S42A1	1~	286	302	115	225	255	294	160	154	120	95	130	70	75	46	G1x(15tief-deep)	72	12	3	M6x19	M16x1.5	M25x1.5	-	-	M6x15	0°/120°/240°	174



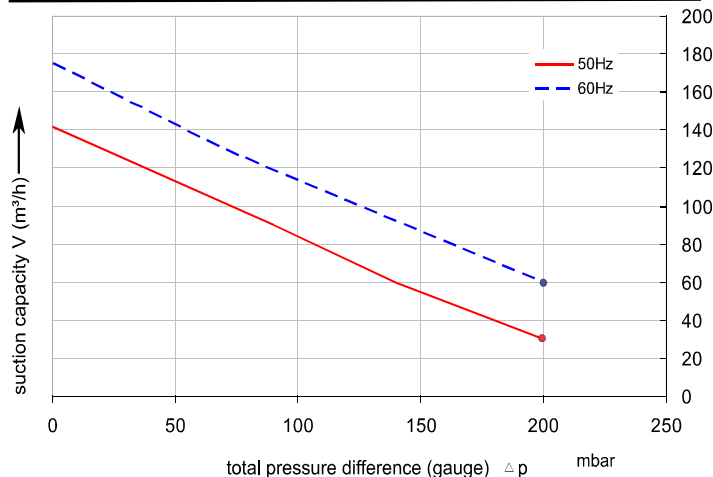
Single stage side channel vacuum pump / compressor **EVSC-S42B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S42B3

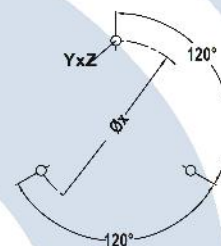
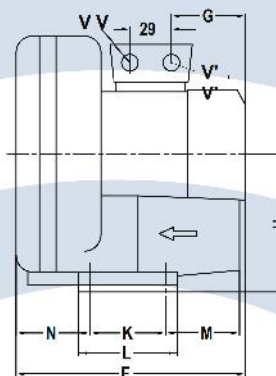
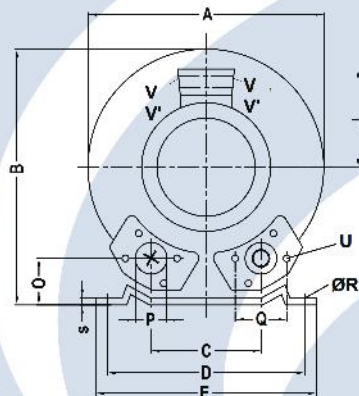
		50 Hz	60 Hz
Motor power	kW	1,10	1,30
Maximum airflow	m³/h	145	175
Ultimate pressure	mbar	+200	+200
Ultimate vacuum	mbar	-170	-210
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	4,35	3,1
Input current Y	A	2,5	2,6
Noise level	dB(A)	63	64
Weight	kg	16	16
Connection	inlet	G(BSP) 1 1/4"	1 1/4"
	outlet	G(BSP) 1 1/4"	1 1/4"

Ordering Information TYPE EVSC-S42B3

EVSC-S42B3	3ph AC	141381
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	20800
Compressor suction filter	140024
Set of feet for horizontal positioning	140010

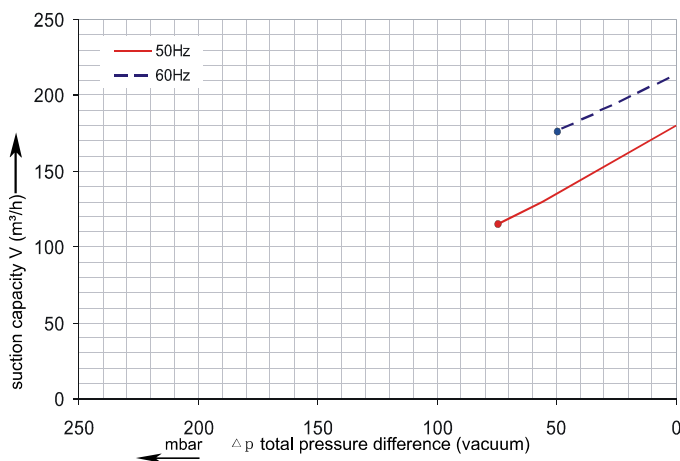


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V'	V''	V'''	YxZ	X-Holes	ØX
EVSC-S42B3	3~	286	302	115	225	255	294	160	154	120	95	130	70	75	45	G1 1/4	72	12	3	M6x19	M25x1.5	M16x1.5	-	-	M6x19	0°/120°/240°	174

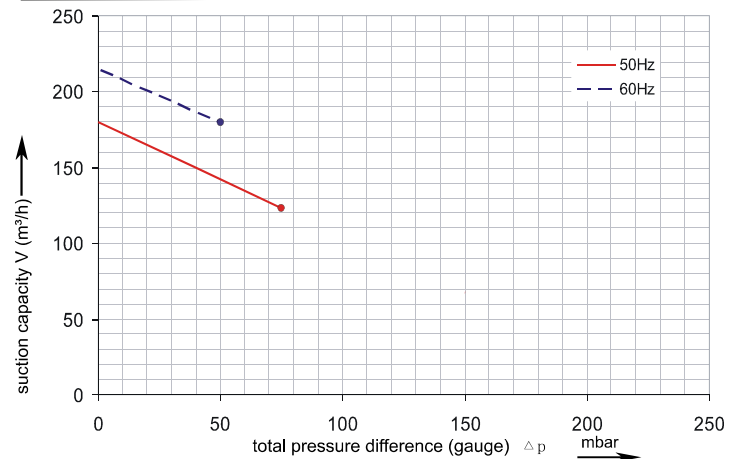


Single stage side channel vacuum pump / compressor **EVSC-S43A3**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S43A3

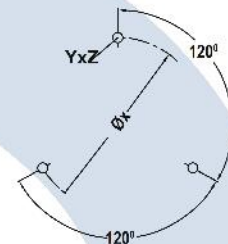
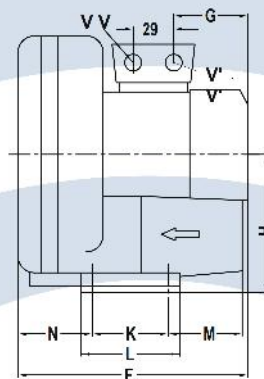
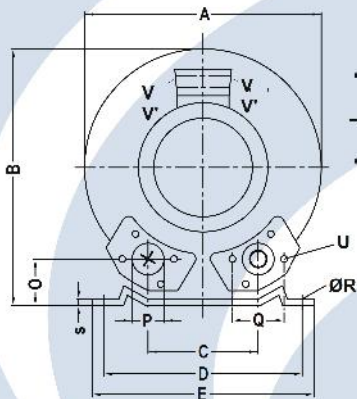
		50 Hz	60 Hz
Motor power	kW	0,7	0,83
Maximum airflow	m³/h	180	210
Ultimate pressure	mbar	+75	+50
Ultimate vacuum	mbar	-75	-50
Input voltage 3 phase Δ	V	200-240	220-275
Input voltage 3 phase Y	V	345-415	380-480
Input current Δ	A	3,8	2,75
Input current Y	A	2,2	2,15
Noise level	dB(A)	64	64
Weight	kg	14	14
Connection	inlet	G(BSP) 1½"	1½"
	outlet	G(BSP) 1½"	1½"

Ordering Information TYPE EVSC-S43A3

EVSC-S43A3	3ph AC	141343
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	140010

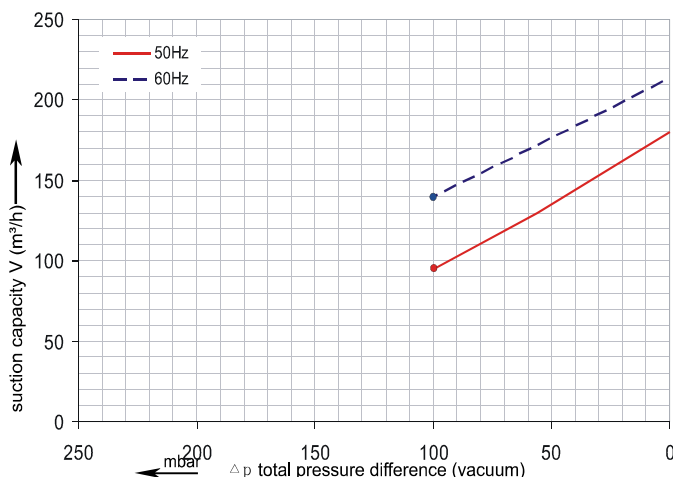


Type	Phases																											X-Borungen X-Holes					ØK
		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁	V _{1.1}	V _{1.2}	V _{1.3}	V _{1.4}	V _{1.5}							
EVSC-S43A3	3~	286	302	115	225	255	288	135	154	111	95	130	70	75	48	G1½(150ef-deep)	72	12	3	M6x19	-	-	M25x1.5	M16x1.5	M6x15	0°/120°/240°	174						

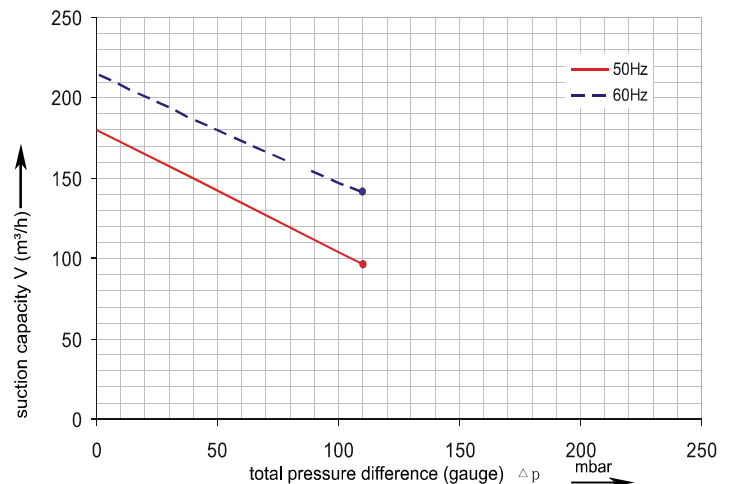


Single stage side channel vacuum pump / compressor **EVSC-S44A1**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S44A1

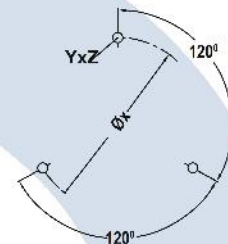
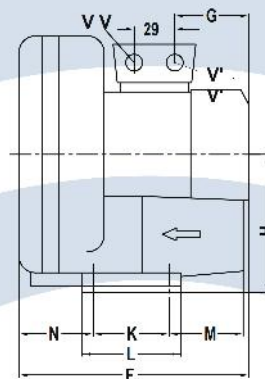
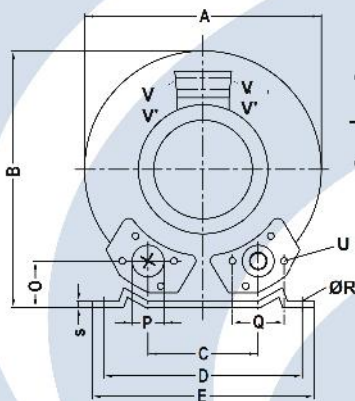
		50 Hz	60 Hz
Motor power	kW	0,8	0,9
Maximum airflow	m³/h	180	215
Ultimate pressure	mbar	+110	+110
Ultimate vacuum	mbar	-100	-100
Input voltage	V	230	230
Input current	A	5,2	5,8
Noise level	dB(A)	64	66
Weight	kg	16	16
Connection	inlet	G(BSP) 1½"	1½"
	outlet	G(BSP) 1½"	1½"

Ordering Information TYPE EVSC-S44A1

EVSC-S81A3	1ph AC	141144
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	140010



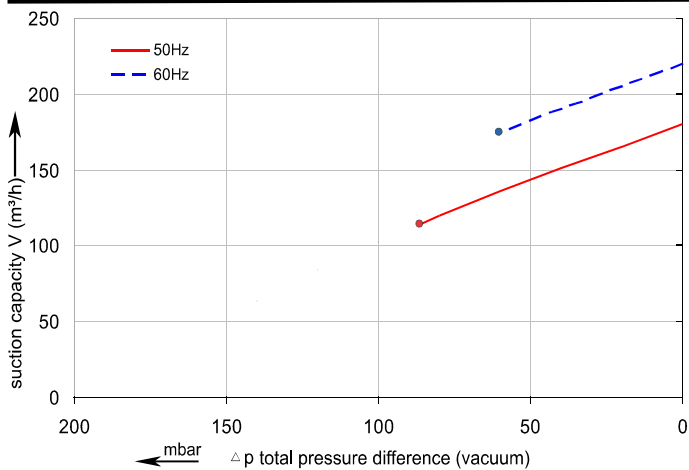
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁₋₁	V ₁₁₋₁	V ₁₁₋₂	V ₁₁₋₃	YxZ	X-Bohrungen X-Holes	ØK
EVSC-S44A1	1...	286	302	115	225	255	311	160	154	120	95	130	70	75	46	G1½(15tief-deep)	72	12	3	M6x19	M16x1.5	M25x1.5	-	-	M6x15	0°/120°/240°	174



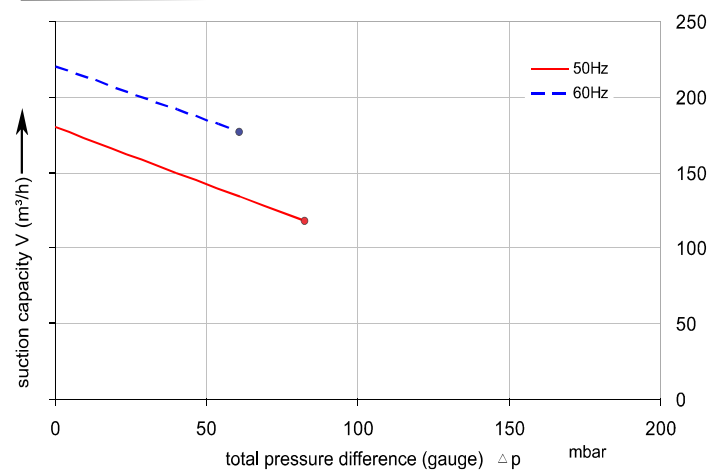
Single stage side channel vacuum pump / compressor **EVSC-S44B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S44B3

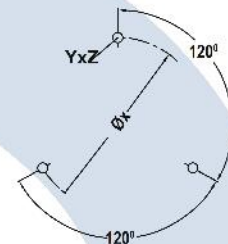
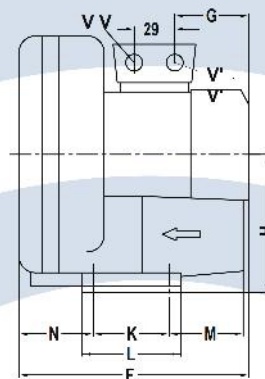
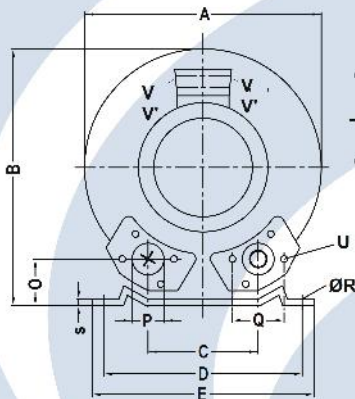
		50 Hz	60 Hz
Motor power	kW	0,75	0,86
Maximum airflow	m³/h	180	210
Ultimate pressure	mbar	+80	+60
Ultimate vacuum	mbar	-80	-60
Input voltage 3 phase Δ	V	220-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	3,12	3,1
Input current Y	A	1,8	1,9
Noise level	dB(A)	64	65
Weight	kg	16	16
Connection	inlet	G(BSP) 1½"	1½"
	outlet	G(BSP) 1½"	1½"

Ordering Information TYPE EVSC-S44B3

EVSC-S44B3	3ph AC	141344
Other voltages/frequencies		Upon request

Accessories

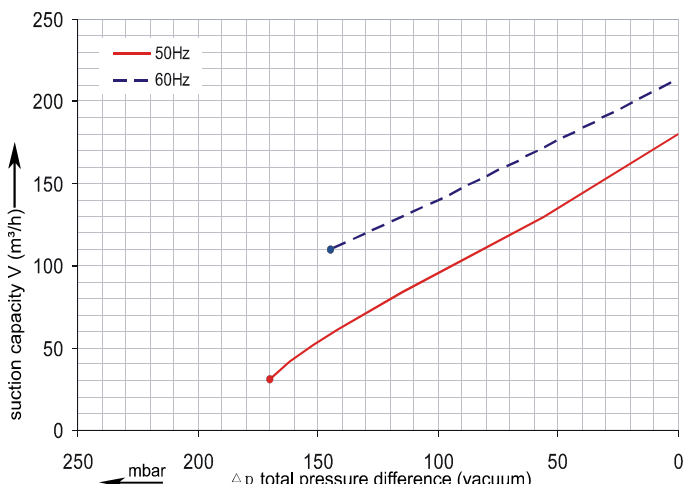
Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	602025
Compressor suction filter	140025
Set of feet for horizontal positioning	140010



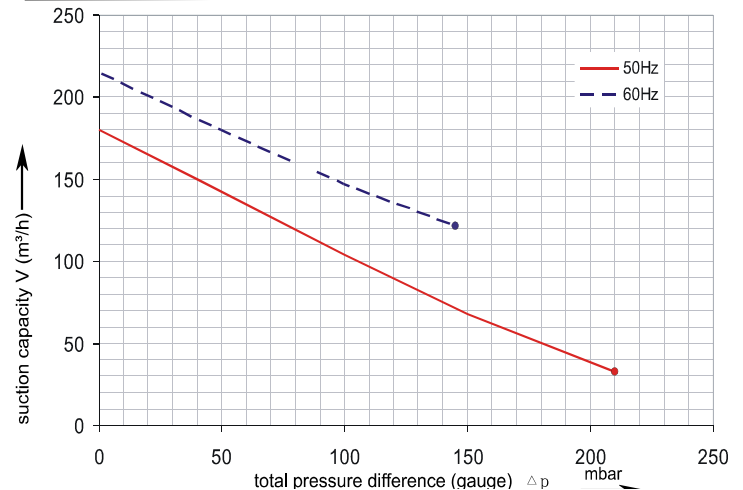
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V'	V''	V'''	YxZ	X-Holes	ØX
EVSC-S44B3	3~	286	302	115	225	255	309	160	154	120	95	130	70	91	45	G1¼	72	12	3	M6x19	M25x1.5	M16x1.5	-	-	M6x19	0°/120°/240°	174

Single stage side channel vacuum pump / compressor EVSC-S45A1

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S45A1

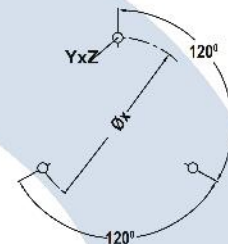
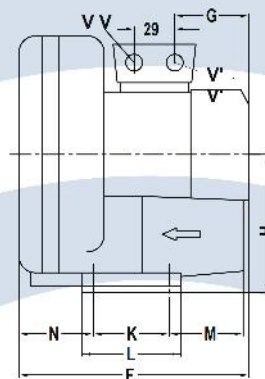
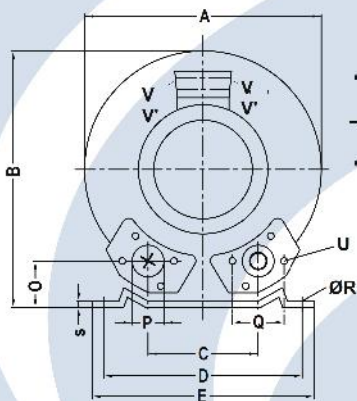
		50 Hz	60 Hz
Motor power	kW	1,1	1,3
Maximum airflow	m³/h	180	210
Ultimate pressure	mbar	+210	+145
Ultimate vacuum	mbar	-170	-145
Input voltage	V	230	230
Input current	A	7,3	8,3
Noise level	dB(A)	64	66
Weight	kg	17	17
Connection inlet	G(BSP) 1½"	1½"	1½"
Connection outlet	G(BSP) 1½"	1½"	1½"

Ordering Information TYPE EVSC-S45A1

EVSC-S45A1	3ph AC	141145
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	140010



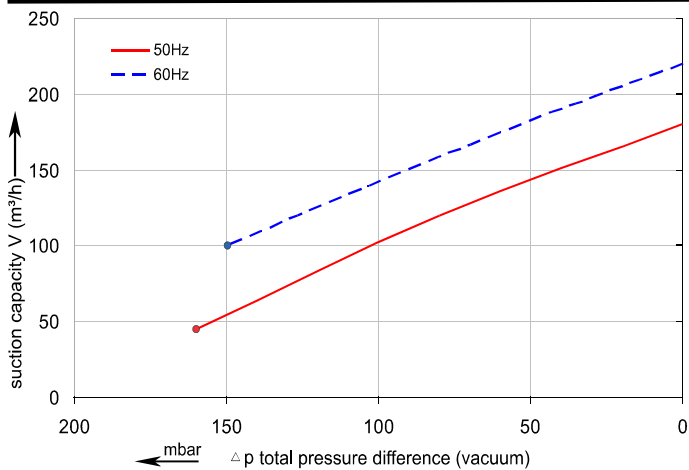
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁₋₂	V ₁₋₃	V ₂₋₁	V ₃₋₁	YxZ	X-Bohrungen X-Holes	ØK
EVSC-S45A1	1~	286	302	115	225	255	311	160	154	120	95	130	70	75	46	G1/2(15tief-deep)	72	12	3	M6x19	M16x1.5	M25x1.5	-	-	M6x15	0°/120°/240°	174



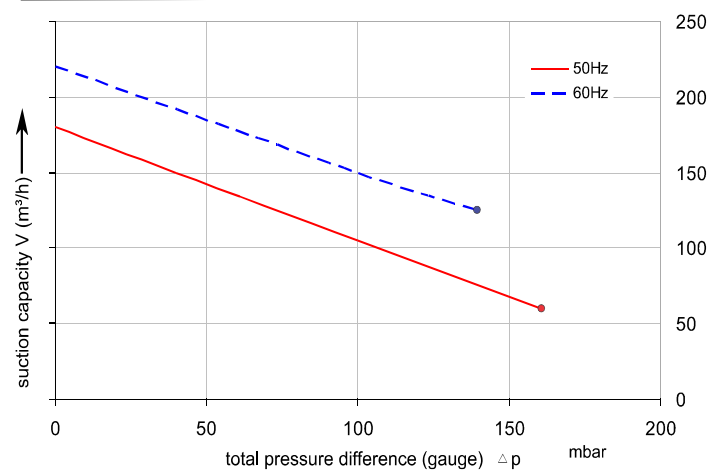
Single stage side channel vacuum pump / compressor **EVSC-S45B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S45A3

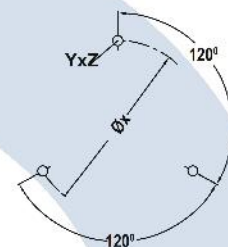
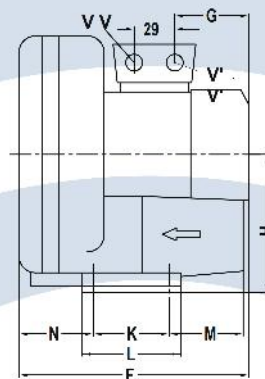
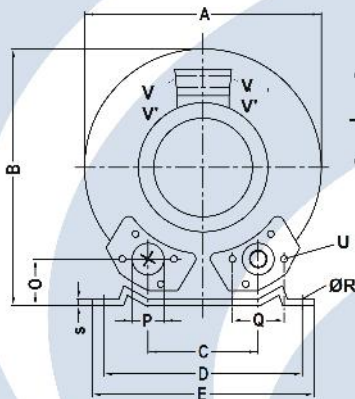
		50 Hz	60 Hz
Motor power	kW	1,1	1,3
Maximum airflow	m³/h	180	210
Ultimate pressure	mbar	+160	+140
Ultimate vacuum	mbar	-160	-150
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	4,35	3,1
Input current Y	A	2,5	2,6
Noise level	dB(A)	64	65
Weight	kg	17	17
Connection inlet	G(BSP)	1 1/4"	1 1/4"
Connection outlet	G(BSP)	1 1/4"	1 1/4"

Ordering Information TYPE EVSC-S45A3

EVSC-S45A3	3ph AC	141345
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	20800
Compressor suction filter	140024
Set of feet for horizontal positioning	140010

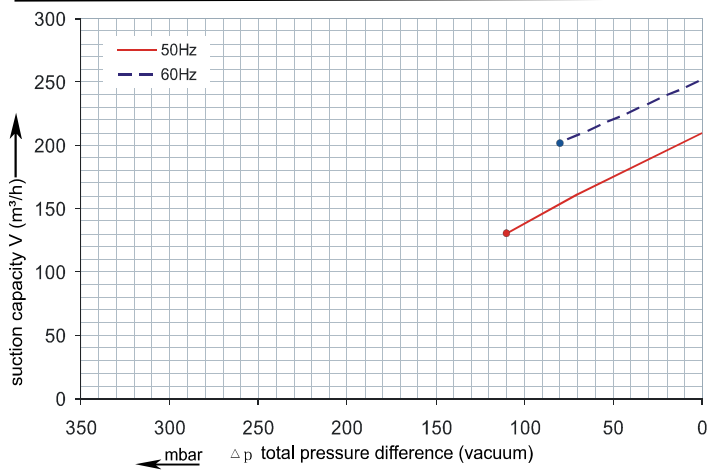


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₅₀	V ₁₁₅	V ₂₃₀	V ₄₀₀	YxZ	X-Bohrungen X-Holes	ØK
EVSC-S45B3	3~	286	302	115	225	255	309	160	154	120	95	130	70	91	45	G1/2(151/2 deep)	72	12	3	M6x19	M25x1.5	M16x1.5			M6x19	0°/120°/240°	174

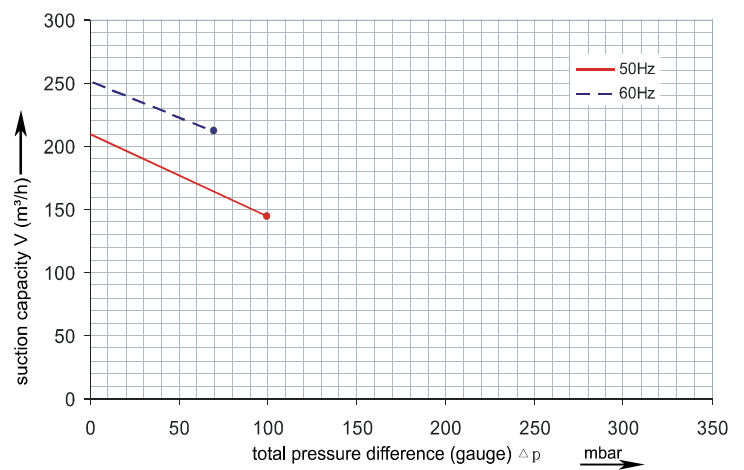
Single stage side channel vacuum pump / compressor **EVSC-S50A3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S50A3

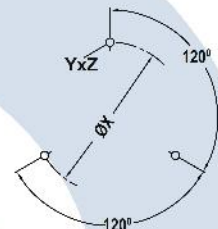
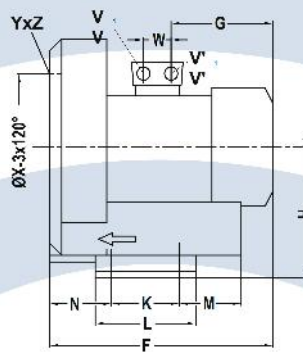
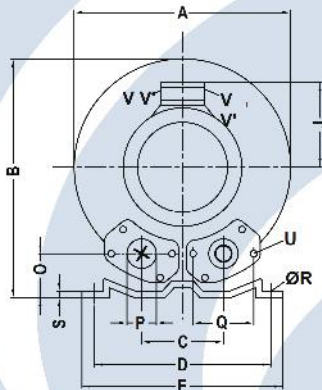
		50 Hz	60 Hz
Motor power	kW	0,85	0,95
Maximum airflow	m³/h	210	255
Ultimate pressure	mbar	+100	+70
Ultimate vacuum	mbar	-110	-80
Input voltage 3 phase Δ	V	200-240	220-275
Input voltage 3 phase Y	V	345-415	380-480
Input current Δ	A	4,0	4,2
Input current Y	A	2,3	2,4
Noise level	dB(A)	64	70
Weight	kg	20	20
Connection inlet	G(BSP)	2½"	2½"
Connection outlet	G(BSP)	2½"	2½"

Ordering Information TYPE EVSC-S50A3

EVSC-S50A3	3ph AC	141350
Other voltages/frequencies		Upon request

Accessories

Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	140037
Compressor suction filter	140027
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-S50A3	3~	334	337	120	260	295	314	160	175	120	115	155	96	87	48	55	83	14	4	M8x17	-	-	M25x1.5	M16x1.5	M8x20	0°/120°/240°	200	29