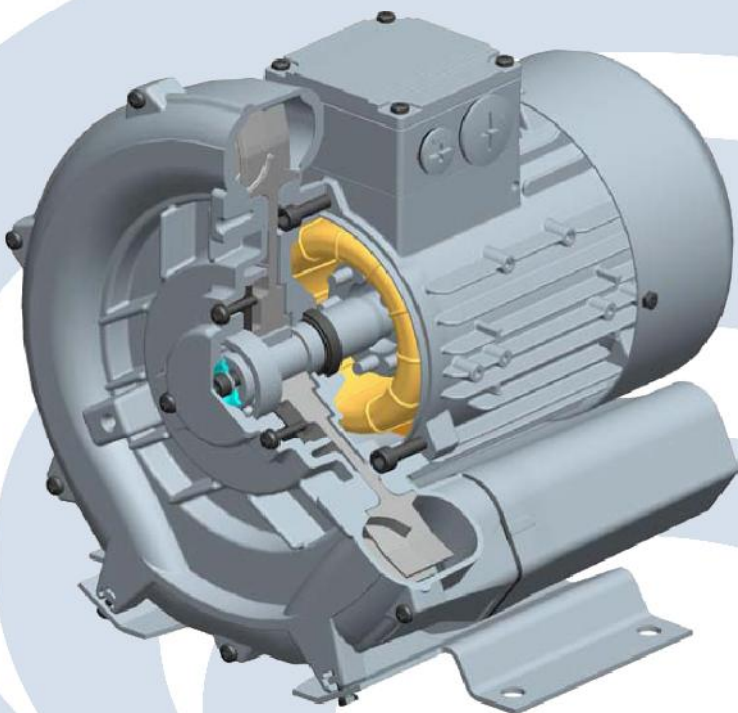
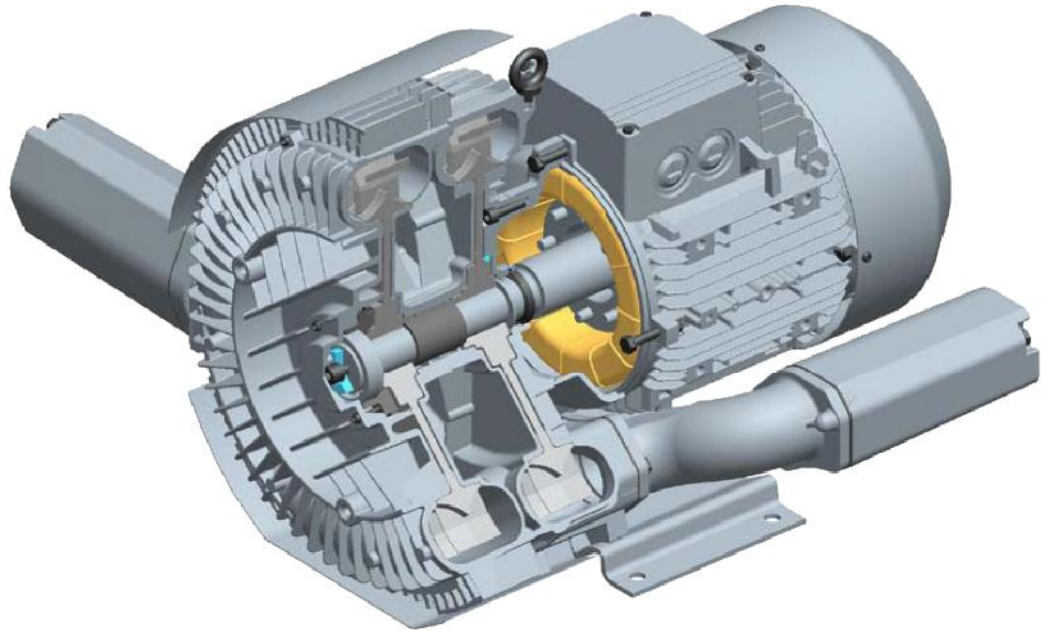


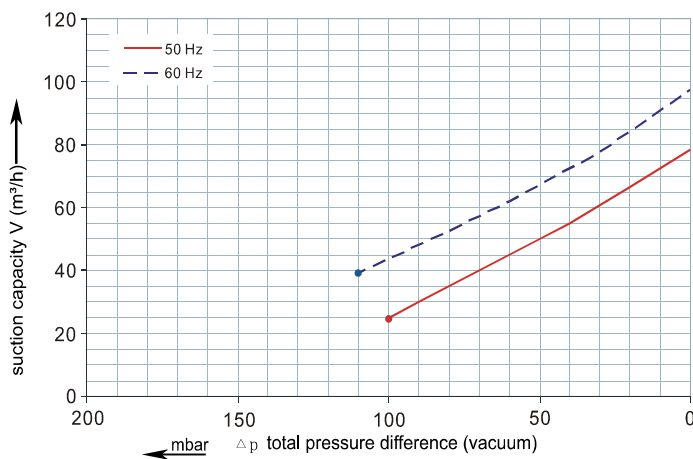
SIDE CHANNEL VACUUM PUMP COMPRESSORS



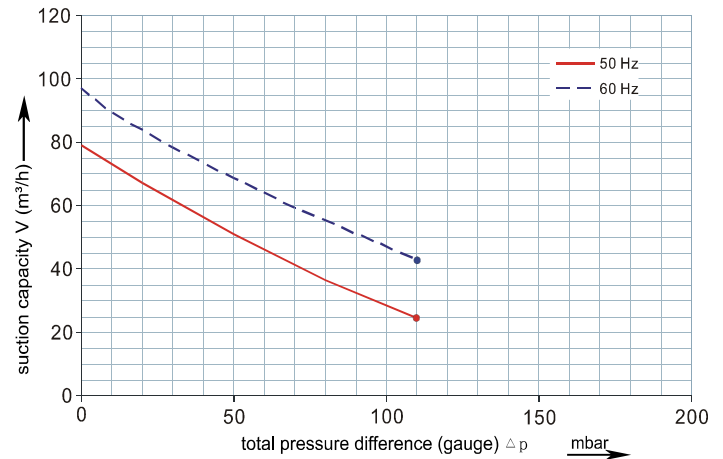


Single stage side channel vacuum pump / compressor **EVSC-S20A3**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S20A3

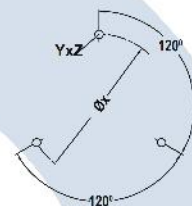
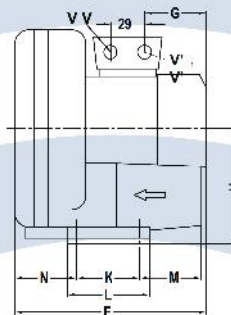
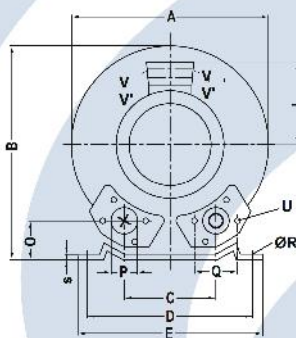
		50 Hz	60 Hz
Motor power	kW	0,25	0,29
Maximum airflow	m³/h	80	98
Ultimate pressure	mbar	+110	+110
Ultimate vacuum	mbar	-100	-110
Input voltage 3 phase Δ	V	200-240	220-275
Input voltage 3 phase Y	V	345-415	380-480
Input current Δ	A	2,1	2,0
Input current Y	A	1,2	1,15
Noise level	dB(A)	53	56
Weight	kg	9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

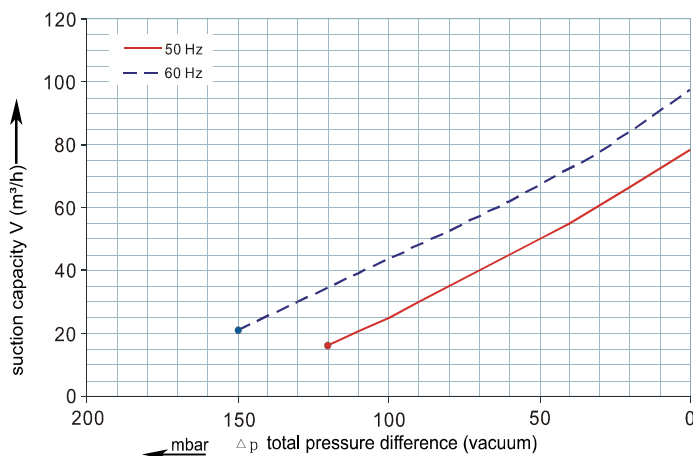


Type	Phases																									X-Bohrungen X-Holes		
		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁₋₃	V _{1'-3'}	V ₁₁₂₋₃	V _{112'-3'}	YxZ	ØX		
EVSC-S20A3	3~	246	247	90	205	230	219	92	128	101	83	108	75	71	39	G11/4(15tief-deep)	64	10	2.5	M6x17	-	-	M25x1.5	M16x1.5	M6x15	0°/120°/240°	140	

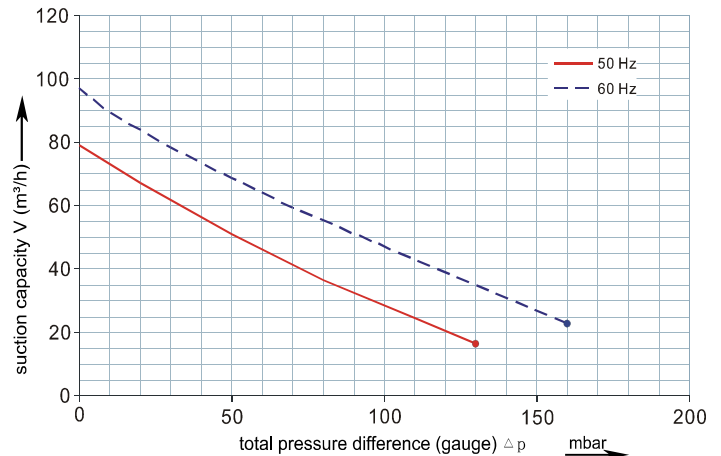


Single stage side channel vacuum pump / compressor **EVSC-S21A1**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S21A1

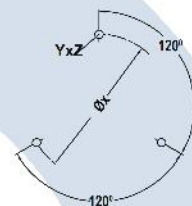
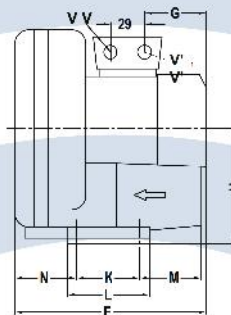
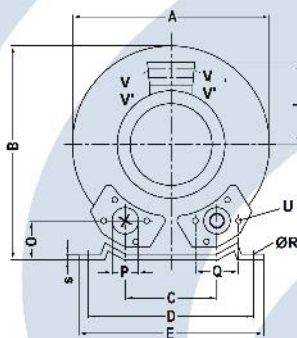
		50 Hz	60 Hz
Motor power	kW	0,37	0,45
Maximum airflow	m³/h	80	96
Ultimate pressure	mbar	+110	+140
Ultimate vacuum	mbar	-110	-130
Input voltage	V	230	230
Input current	A	2,7	3,0
Noise level	dB(A)	53	56
Weight	kg	11	11
Connection	inlet	G(BSP) 1 1/4"	1 1/4"
	outlet	G(BSP) 1 1/4"	1 1/4"

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

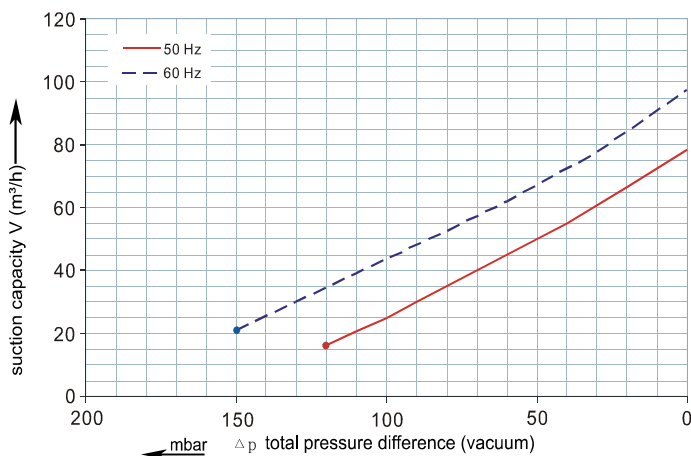


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₀₋₁	V ₁₋₂	V ₂₋₃	V ₃₋₄	YxZ	X-Bohrungen X-Holes	ØX
EVSC-S20A1	1~	246	247	90	205	230	256	135	128	111	83	108	75	71	39	G11/4(15lief-deep)	64	10	2.5	M6x17	M16x1.5	M25x1.5	-	-	M6x15	0°/120°/240°	140

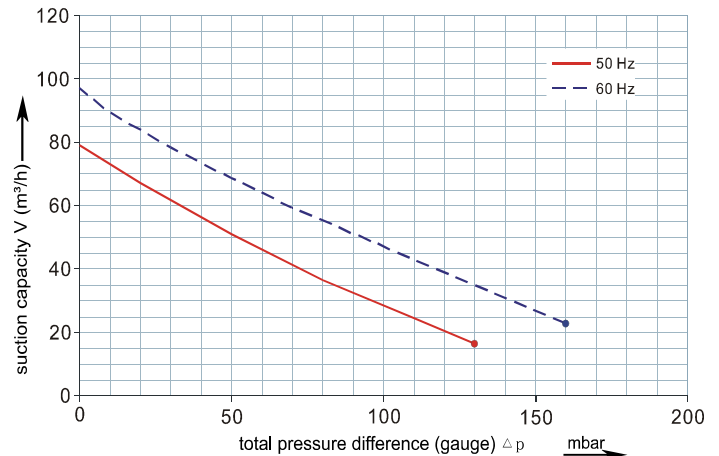


Single stage side channel vacuum pump / compressor **EVSC-S21A3**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S21A3

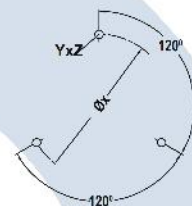
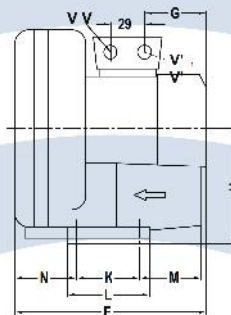
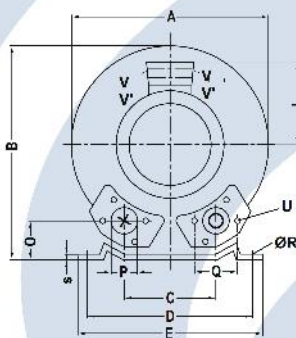
Motor power	kW	50 Hz	0,4	60 Hz	0,5
Maximum airflow	m³/h		80		98
Ultimate pressure	mbar		+130		+160
Ultimate vacuum	mbar		-120		-150
Input voltage 3 phase Δ	V		200-240		345-415
Input voltage 3 phase Y	V		220/275		380-480
Input current Δ	A		2,6		2,6
Input current Y	A		1,5		1,5
Noise level	dB(A)		53		56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

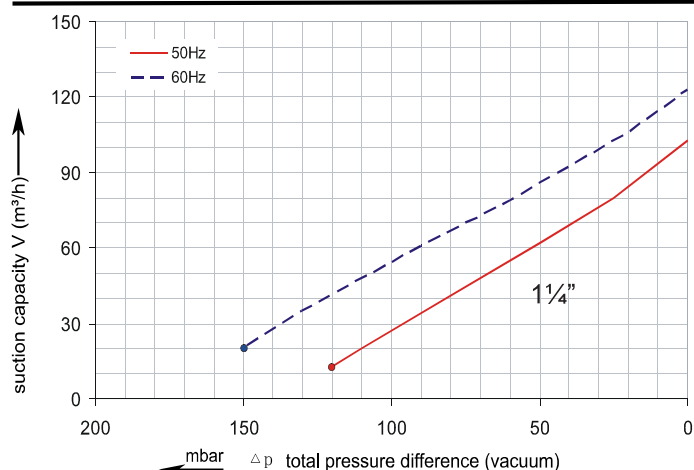


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁₋₃	V ₁₋₄	V ₁₋₅	V ₁₋₆	YxZ	X-Bohrungen X-Holes	ØX
EVSC-S21A3	3~	246	247	90	205	230	256	135	128	111	83	108	75	71	39	G11/4(15tief-deep)	64	10	2.5	M6x17	-	-	M25x1.5	M16x1.5	M6x15	0°/120°/240°	140

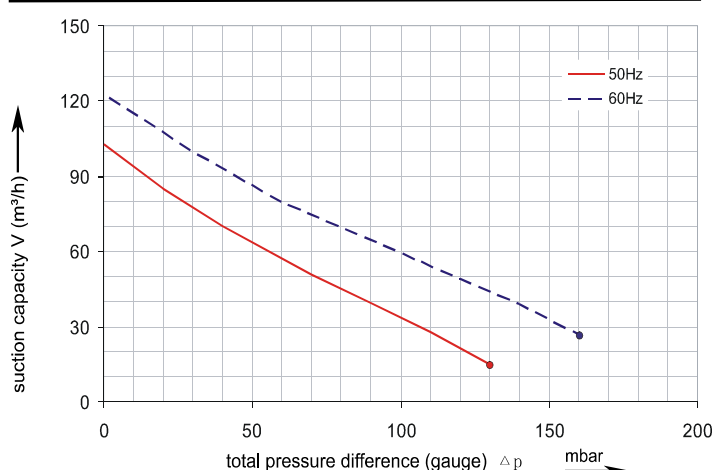


Single stage side channel vacuum pump / compressor **EVSC-S23A3**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S23A3

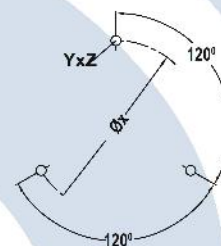
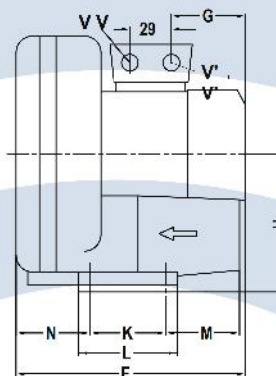
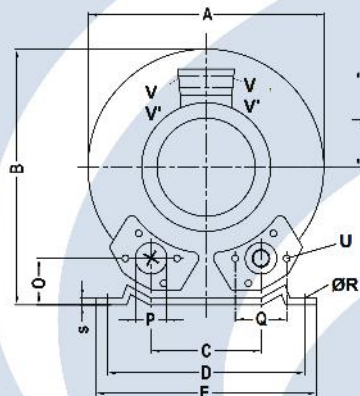
		50 Hz	60 Hz
Motor power	kW	0,4	0,5
Maximum airflow	m³/h	105	120
Ultimate pressure	mbar	+130	+160
Ultimate vacuum	mbar	-120	-150
Input voltage 3 phase Δ	V	200-240	220-275
Input voltage 3 phase Y	V	345-415	380-480
Input current Δ	A	2,6	2,6
Input current Y	A	1,5	1,5
Noise level	dB(A)	54	57
Weight	kg	11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

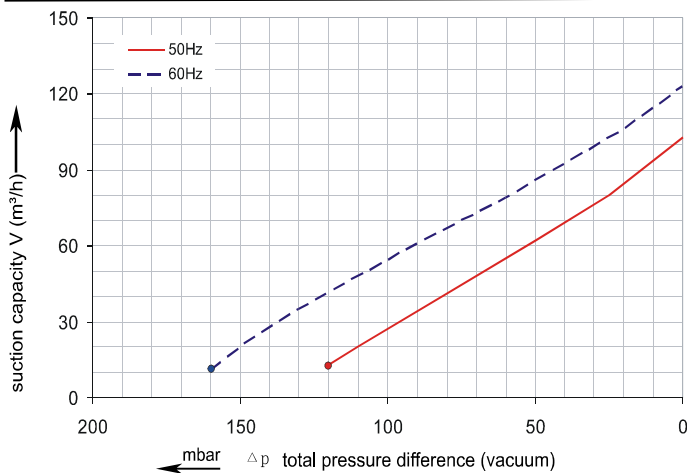


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁	V ₂	V ₁₀₋₁	V ₁₀₋₂	YxZ	X-Bohrungen X-Holes	ØX
EVSC-S23A3	3~	246	247	90	205	230	267	138	128	111	83	108	75	82	39	G1/4(15 tief-deep)	64	10	2.5	M6x17	-	-	M25x1.5	M16x1.5	M6x15	0°/120°/240°	140

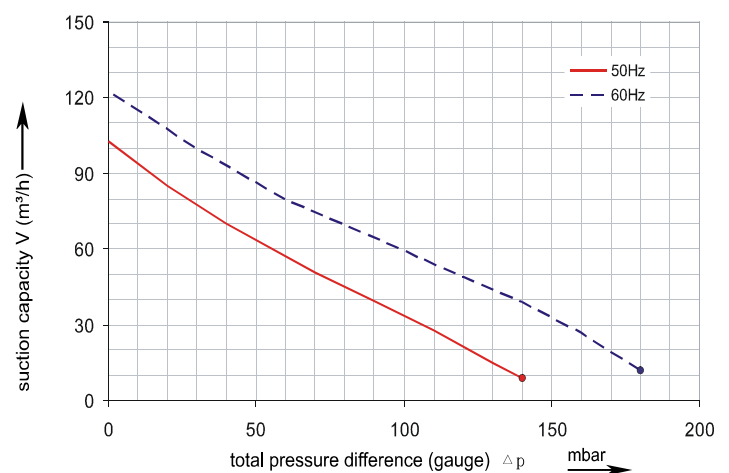


Single stage side channel vacuum pump / compressor **EVSC-S24A3**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S24A3

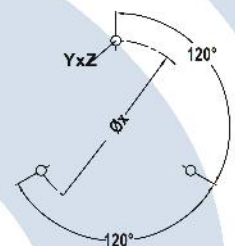
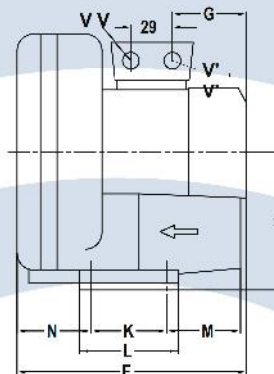
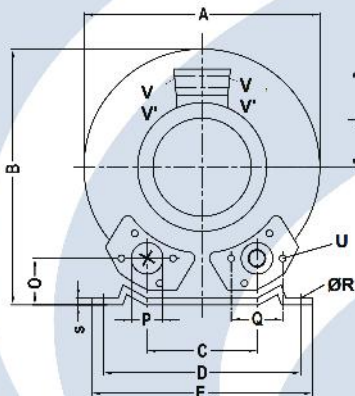
		50 Hz	60 Hz
Motor power	kW	0,7	0,83
Maximum airflow	m³/h	105	120
Ultimate pressure	mbar	+140	+180
Ultimate vacuum	mbar	-120	-160
Input voltage 3 phase Δ	V	200-240	220-275
Input voltage 3 phase Y	V	345-415	380-480
Input current Δ	A	3,8	3,75
Input current Y	A	2,2	2,15
Noise level	dB(A)	54	57
Weight	kg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

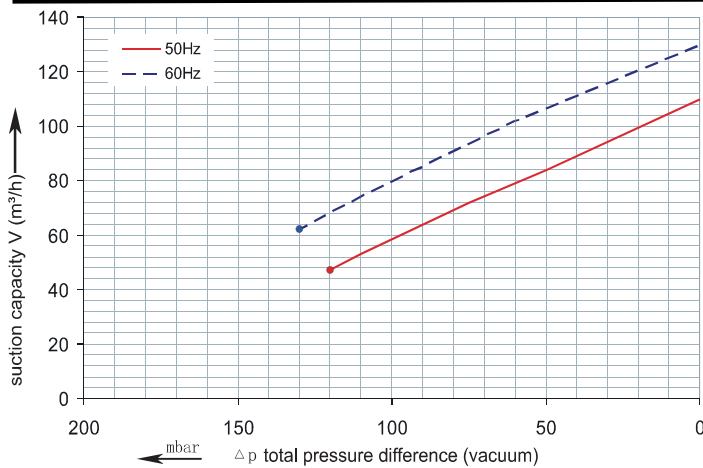


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V _Δ	V _Y	V _{10-Δ}	V _{10-Y}	YxZ	X-Bohrungen X-Holes	ØX
EVSC-S24A3	3~	246	247	90	205	230	267	135	128	111	83	108	75	82	39	G1/4(15tief-deep)	64	10	2.5	M6x17	-	-	M25x1.5	M16x1.5	M6x15	0°/120°/240°	140

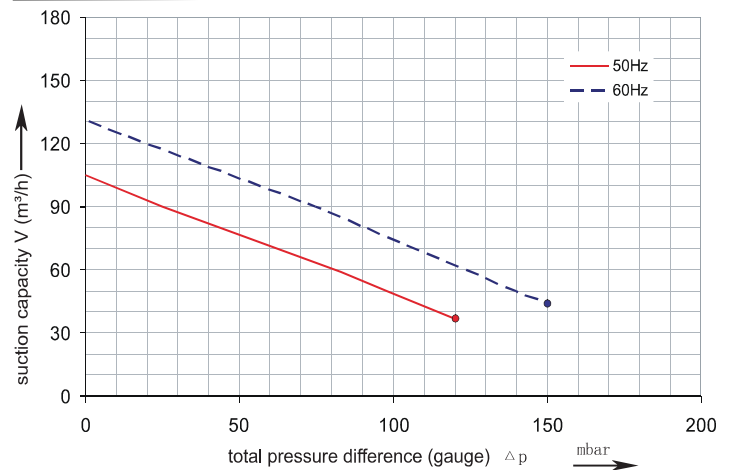


Single stage side channel vacuum pump / compressor **EVSC-S30A1**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S30A1

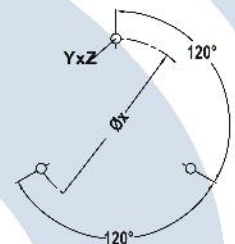
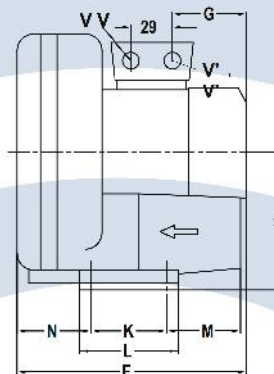
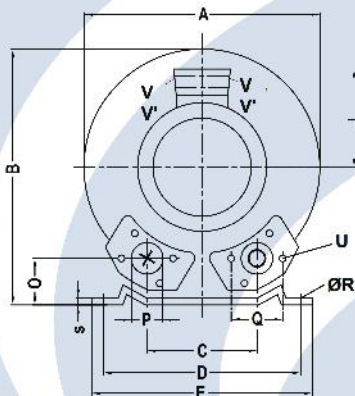
		50 Hz	60 Hz
Motor power	kW	0,55	0,62
Maximum airflow	m³/h	100	120
Ultimate pressure	mbar	+120	+150
Ultimate vacuum	mbar	-120	-130
Input voltage	V	230	230
Input current	A	3,7	4,5
Noise level	dB(A)	55	57
Weight	kg	13	13
Connection	inlet	G(BSP) 1¼"	1¼"
	outlet	G(BSP) 1¼"	1¼"

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



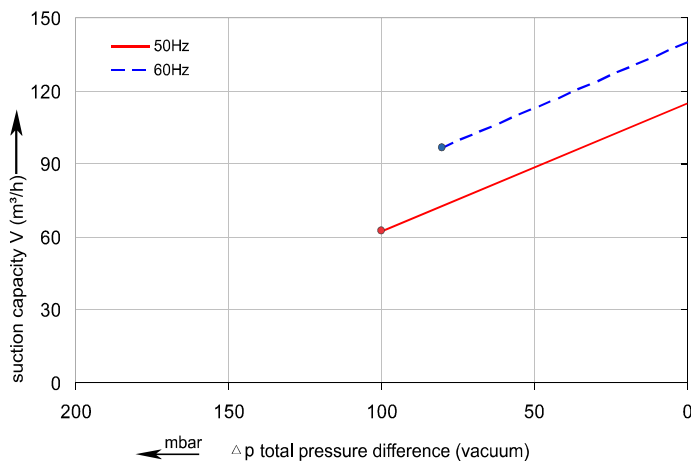
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁₋₁	V ₁₋₂	V ₁₋₃	V ₁₋₄	YxZ	X-Bohrungen X-Holes	ØX
EVSC-S30A1	1~	268	272	93	205	230	260	135	141	111	83	108	82	69	41	G1¼(15tief deep)	64	10	2.5	M6x17	M25x1.5	M16x1.5	-	-	M6x15	0°/120°/240°	140



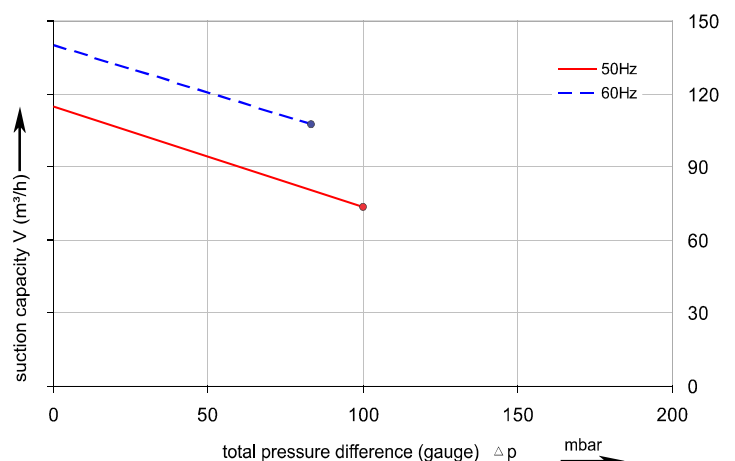
Single stage side channel vacuum pump / compressor **EVSC-S30B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S30B3

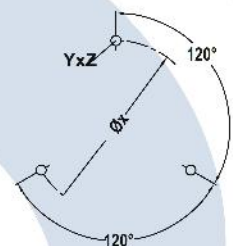
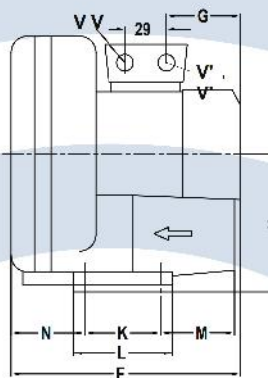
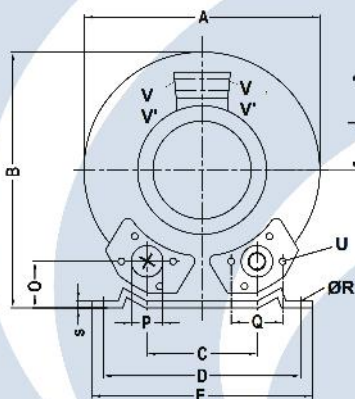
		50 Hz	60 Hz
Motor power	kW	0,55	0,63
Maximum airflow	m³/h	115	140
Ultimate pressure	mbar	+100	+80
Ultimate vacuum	mbar	-100	-80
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	2,7	2,86
Input current Y	A	1,57	1,65
Noise level	dB(A)	63	64
Weight	kg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

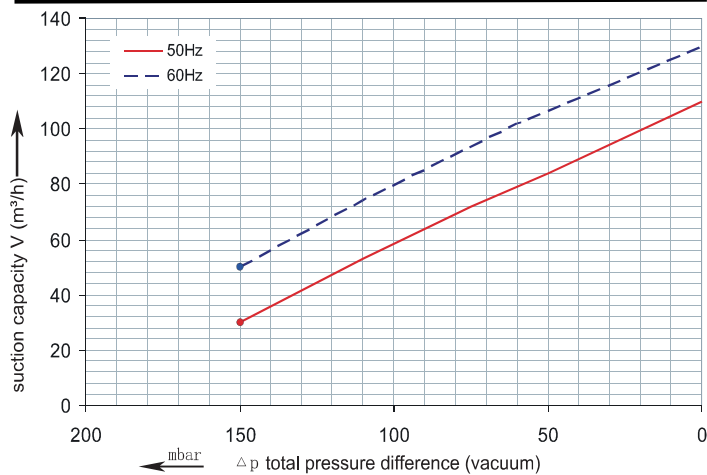


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V'	V''	V'''	YxZ	X-Holes	ØX
EVSC-S30B3	3~	268	272	93	205	230	260	135	141	111	83	108	82	69	41	G1 1/4	64	10	2.5	M6x17	M25x1.5	M16x1.5	-	-	M6x19	0°/120°/240°	160

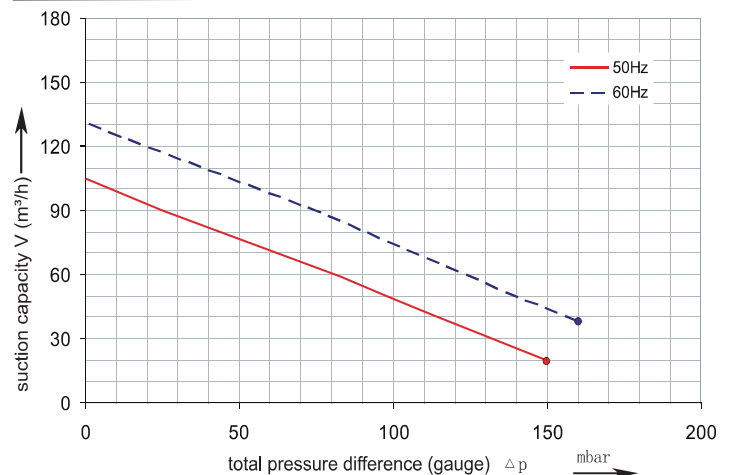


Single stage side channel vacuum pump / compressor **EVSC-S31A1**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S31A1

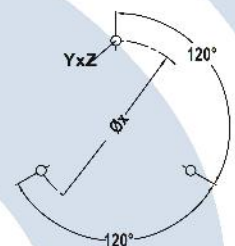
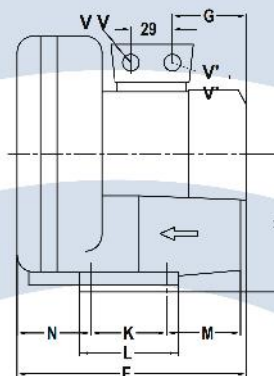
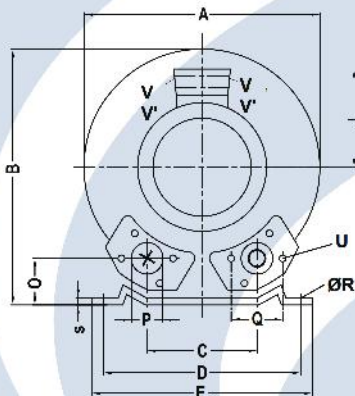
		50 Hz	60 Hz
Motor power	kW	0,7	0,8
Maximum airflow	m³/h	100	120
Ultimate pressure	mbar	+150	+160
Ultimate vacuum	mbar	-150	-150
Input voltage	V	230	230
Input current	A	4,8	4,1
Noise level	dB(A)	55	57
Weight	kg	14	14
Connection	inlet	G(BSP) 1¼"	1¼"
	outlet	G(BSP) 1¼"	1¼"

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



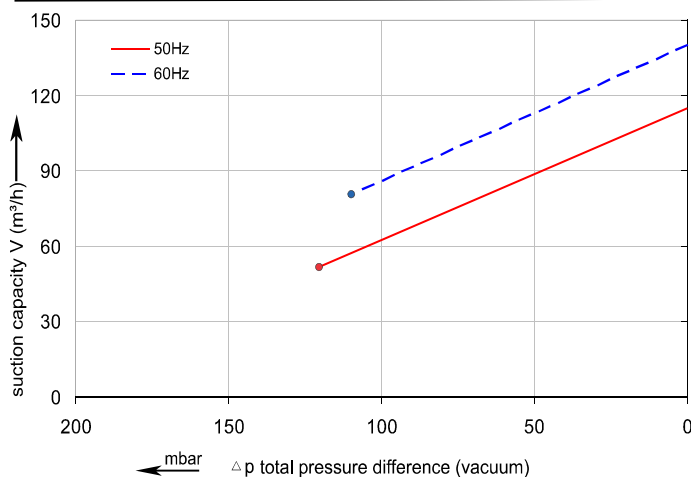
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁₁₋₁	V ₁₁₋₂	V ₁₁₋₃	V ₁₁₋₄	YxZ	X-Bohrungen X-Holes	ØX
141131	1~	268	272	93	205	230	260	135	141	111	83	108	82	69	41	G1/4(15 tief-deep)	64	10	2.5	M6x17	M25x1.5	M16x1.5	-	-	M6x15	Ø"/120°/240°	140



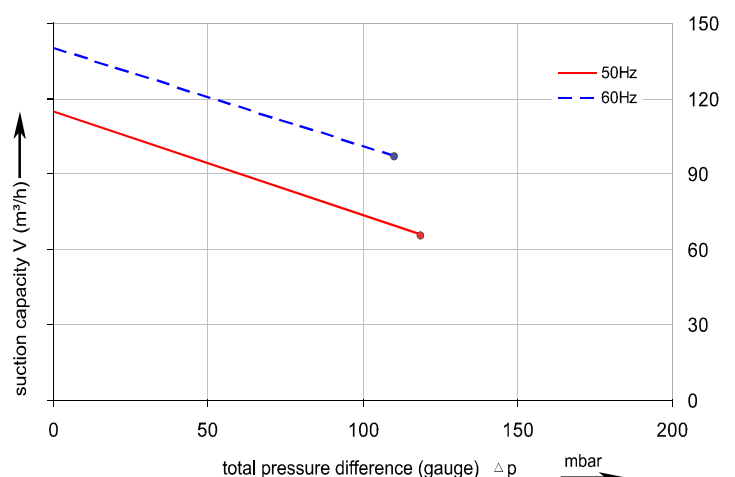
Single stage side channel vacuum pump / compressor **EVSC-S31B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S31B3

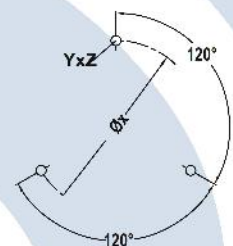
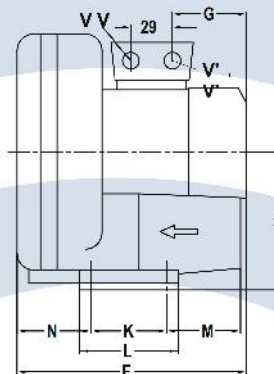
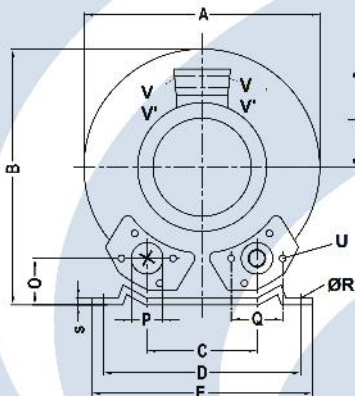
		50 Hz	60 Hz
Motor power	kW	0,75	0,86
Maximum airflow	m³/h	115	140
Ultimate pressure	mbar	+120	+110
Ultimate vacuum	mbar	-120	-110
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	3,12	3,1
Input current Y	A	1,8	1,9
Noise level	dB(A)	63	64
Weight	kg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



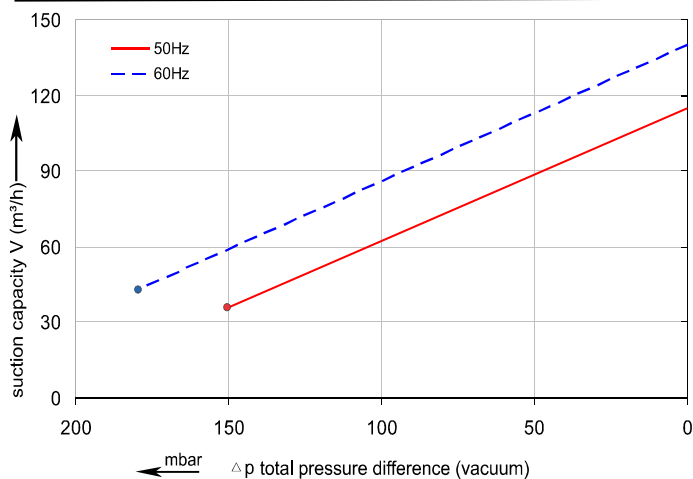
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V'	V''	V'''	YxZ	X-Holes	ØX
EVSC-S31B3	3~	268	272	93	205	230	285	160	141	120	83	108	82	69	41	G1 1/4	64	10	2.5	M6x17	M25x1.5	M16x1.5	-	-	M6x19	0°/120°/240°	160



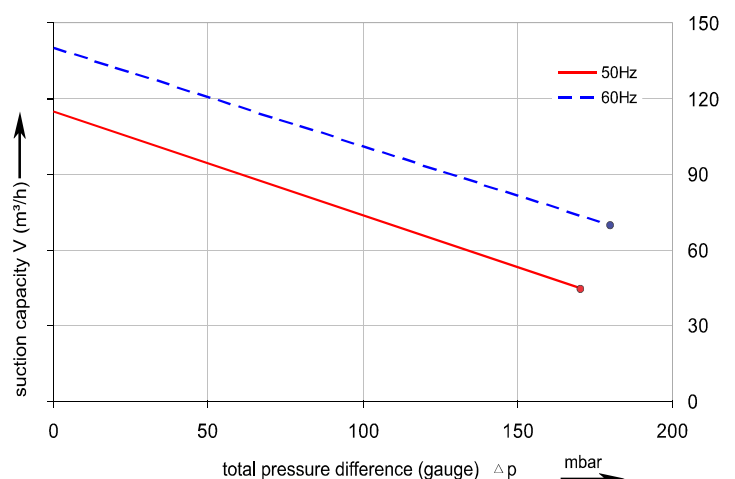
Single stage side channel vacuum pump / compressor **EVSC-S34B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S34B3

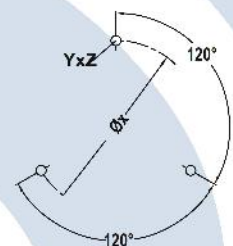
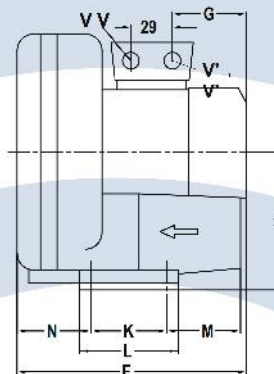
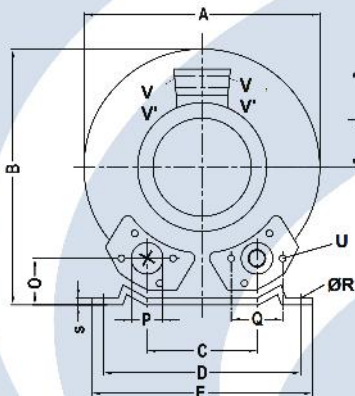
		50 Hz	60 Hz
Motor power	kW	1,1	1,3
Maximum airflow	m³/h	115	140
Ultimate pressure	mbar	+170	+180
Ultimate vacuum	mbar	-150	-180
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	4,35	3,1
Input current Y	A	2,5	2,6
Noise level	dB(A)	63	64
Weight	kg	16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

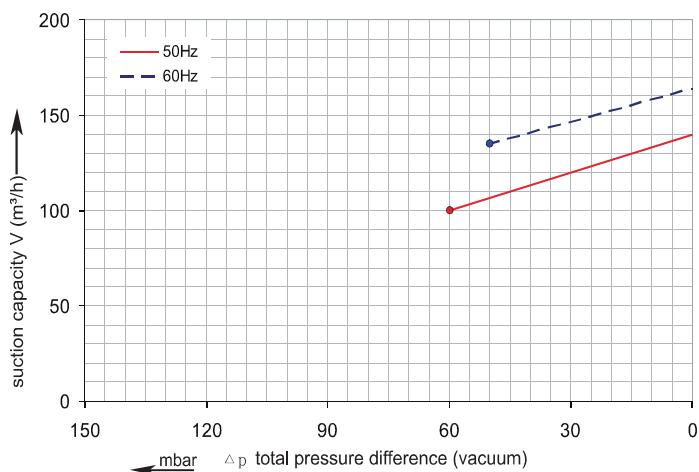


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V	V1	V2	YxZ	X-Holes	ØX
EVSC-S34B3	3~	268	272	93	205	230	260	160	141	120	83	108	82	69	41	G1 1/4	64	10	2,5	M6x17	M25x1,5	M16x1,5	-	-	M6x19	0°/120°/240°	160

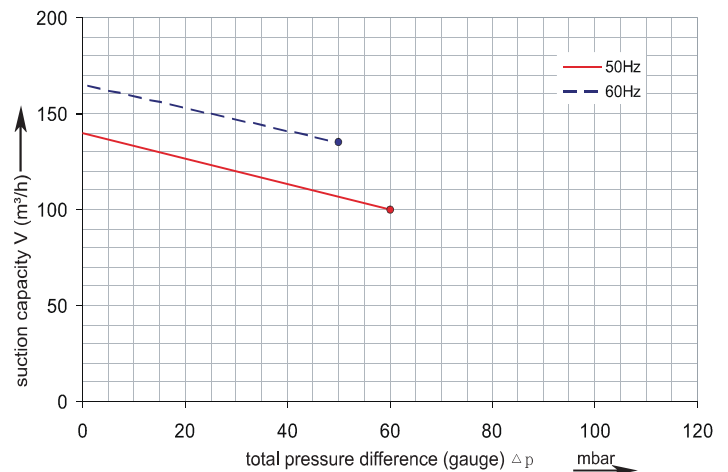


Single stage side channel vacuum pump / compressor **EVSC-S32A3**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S32A3

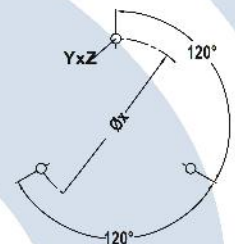
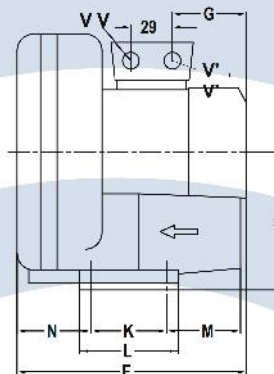
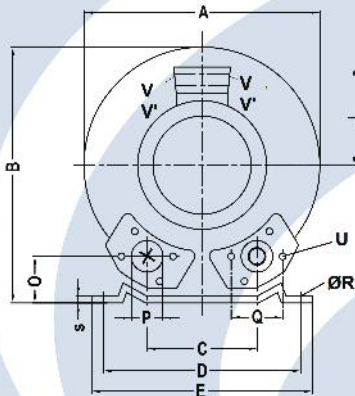
		50 Hz	60 Hz
Motor power	kW	0,55	0,63
Maximum airflow	m³/h	140	165
Ultimate pressure	mbar	+60	+50
Ultimate vacuum	mbar	-60	-50
Input voltage 3 phase Δ	V	200-240	220-275
Input voltage 3 phase Y	V	345-415	380-480
Input current Δ	A	2,8	3,0
Input current Y	A	1,6	1,7
Noise level	dB(A)	56	58
Weight	kg	12	12
Connection inlet	G(BSP)	1 1/4"	1 1/4"
Connection outlet	G(BSP)	1 1/4"	1 1/4"

Ordering Information TYPE EVSC-S32A3

EVSC-S32A3	3ph AC	141332
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 ₀₋₂	V ₀₋₃	V ₀₋₄	YzZ	X-Bohrungen X-Holes	ØX
EVSC-S32A3	3~	268	272	93	205	230	276	135	141	111	83	108	82	85	41	G1 1/4 (15 tief-deep)	64	10	2.5	M6x17	-	-	M25x1.5	M16x1.5	M6x15	0°/120°/240°	160



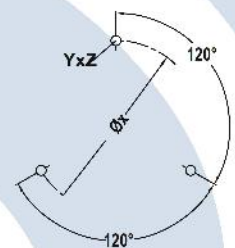
Graph showing suction capacity V (m³/h) versus total pressure difference Δp (mbar) for two frequencies: 50Hz (solid red line) and 60Hz (dashed blue line). The suction capacity increases linearly with the total pressure difference for both frequencies.

Total pressure difference Δp (mbar)	Suction capacity V (m³/h) at 50Hz	Suction capacity V (m³/h) at 60Hz
110	70	95
0	140	165

total pressure difference (gauge) Δp (mbar)	suction capacity V (m³/h) at 50Hz	suction capacity V (m³/h) at 60Hz
0	140	165
20	125	155
40	110	145
60	95	130
80	80	115
100	70	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"

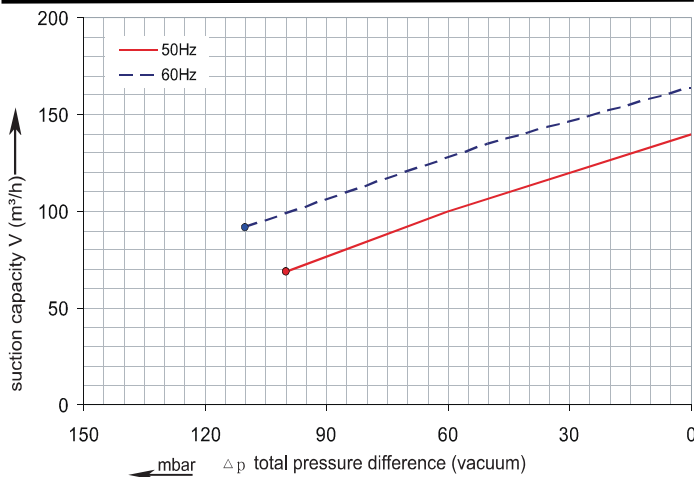
Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	20800
Compressor suction filter	140024
Set of feet for horizontal positioning	140010

14

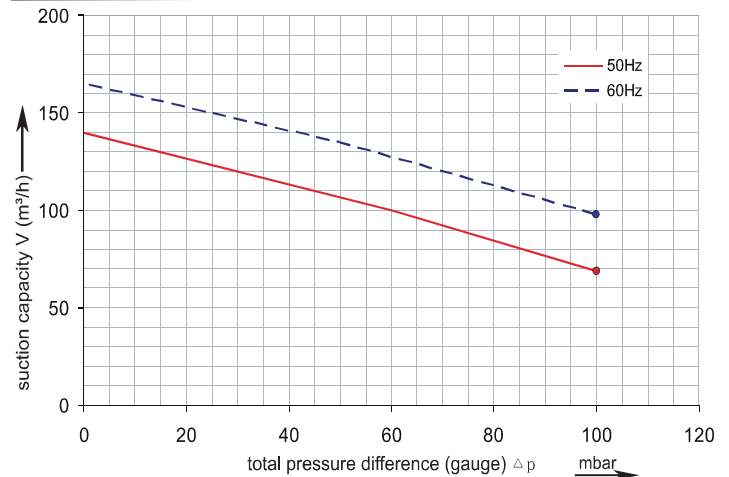


Single stage side channel vacuum pump / compressor **EVSC-S33A3**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S33A3

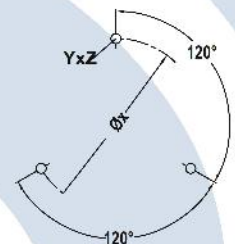
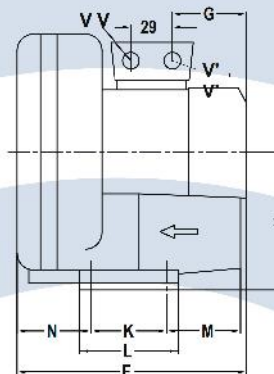
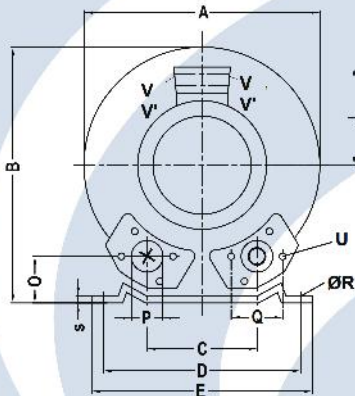
		50 Hz	60 Hz
Motor power	kW	0.75	0.83
Maximum airflow	m³/h	140	165
Ultimate pressure	mbar	+100	+100
Ultimate vacuum	mbar	-100	-115
Input voltage 3 phase Δ	V	200-240	220-275
Input voltage 3 phase Y	V	345-415	380-480
Input current Δ	A	3,8	3,8
Input current Y	A	2,2	2,2
Noise level	dB(A)	56	58
Weight	kg	13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



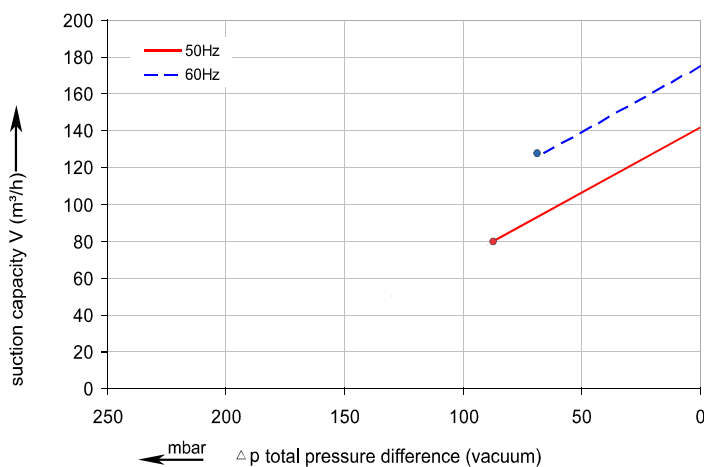
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V _Δ	V _Y	V _{Δ-1}	V _{Y-1}	YxZ	X-Bohrungen X-Holes	ØX
EVSC-S33A3	1~	268	272	93	205	230	276	135	141	111	83	108	82	85	41	G1/4(15tief-deep)	64	10	2.5	M6x17			M25x1.5	M16x1.5	M6x15	0°/120°/240°	160



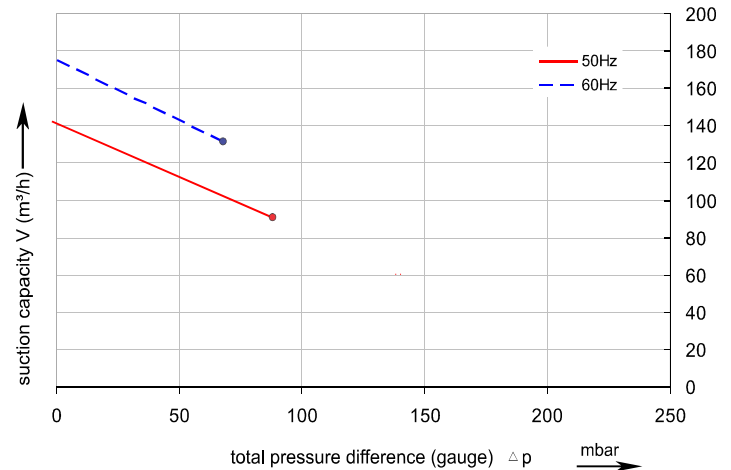
Single stage side channel vacuum pump / compressor **EVSC-S40B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S40B3

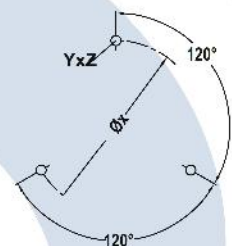
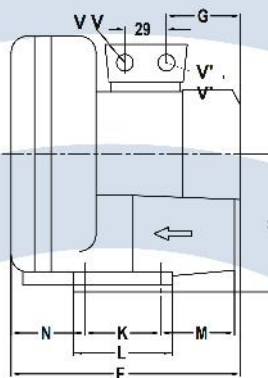
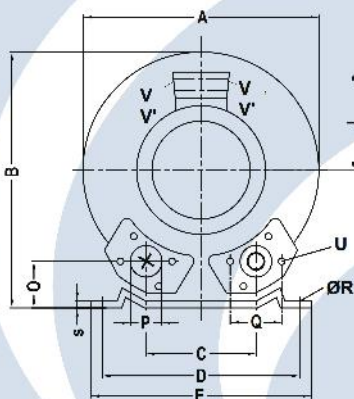
Motor power	kW	50 Hz	0,55	60 Hz	0,63
Maximum airflow	m³/h		145		175
Ultimate pressure	mbar		+90		+90
Ultimate vacuum	mbar		-90		+70
Input voltage 3 phase Δ	V		200-260		230-290
Input voltage 3 phase Y	V		350-450		400-500
Input current Δ	A		2,7		2,86
Input current Y	A		1,57		1,65
Noise level	dB(A)		63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

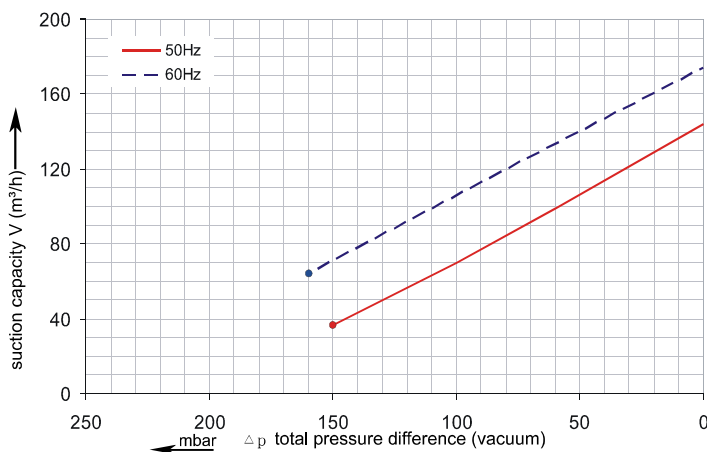


Type	Phases																								X-Holes		
		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V	V ₁	V ₁	YxZ	ØX	
EVSC-S40A3	3~	286	302	115	225	255	269	135	154	111	95	130	70	75	45	G1 1/4"	72	12	3	M6x19	M25x1.5	M16x1.5	-	-	M6x19	0°/120°/240°	174

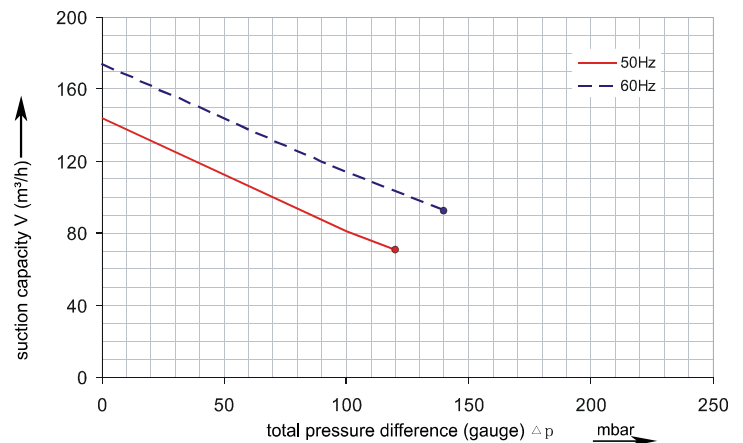


Single stage side channel vacuum pump / compressor **EVSC-S41A1**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S41A1

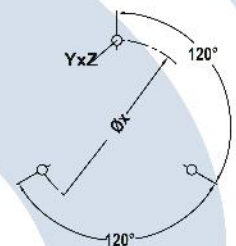
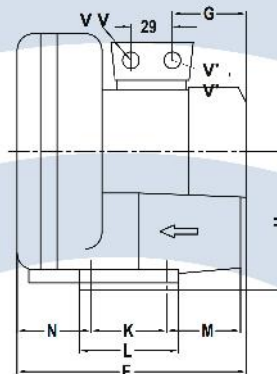
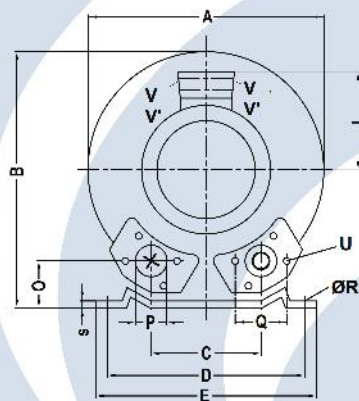
		50 Hz	60 Hz
Motor power	kW	0,8	0,9
Maximum airflow	m³/h	145	175
Ultimate pressure	mbar	+160	+140
Ultimate vacuum	mbar	-150	-160
Input voltage	V	230	230
Input current	A	5,2	5,8
Noise level	dB(A)	63	64
Weight	kg	15	15
Connection	inlet	G(BSP) 1½"	1½"
	outlet	G(BSP) 1½"	1½"

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



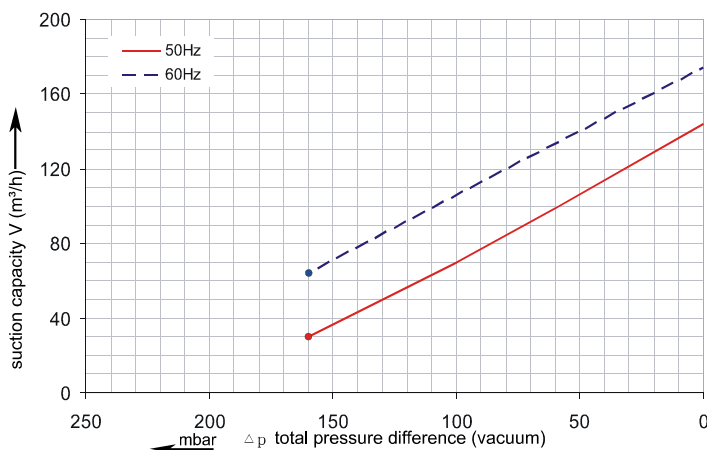
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁₋₁	V ₁₋₂	V ₁₋₃	V ₁₋₄	YxZ	X-Borungen X-Holes	ØK
EVSC-S42A1	1~	286	302	115	225	255	294	160	154	120	95	130	70	75	46	G1¼(15tief-deep)	72	12	3	M6x19	M16x1,5	M25x1,5	-	-	M6x15	0°/120°/240°	174



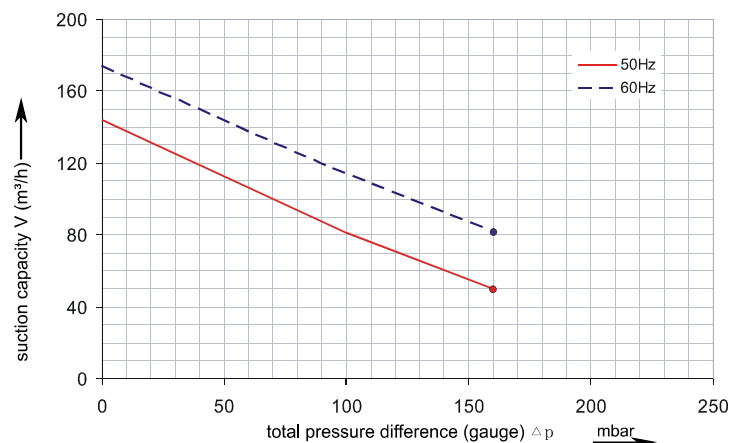
Single stage side channel vacuum pump / compressor **EVSC-S41B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S41B3

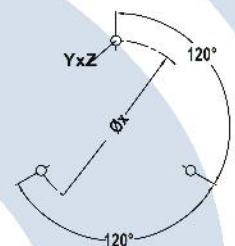
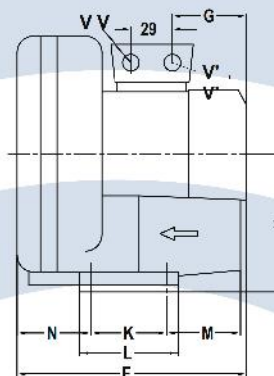
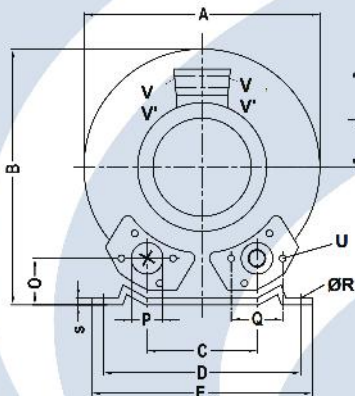
		50 Hz	60 Hz
Motor power	kW	0,75	0,86
Maximum airflow	m³/h	145	175
Ultimate pressure	mbar	+130	+120
Ultimate vacuum	mbar	-130	-120
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	3,12	3,1
Input current Y	A	1,8	1,9
Noise level	dB(A)	63	64
Weight	kg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

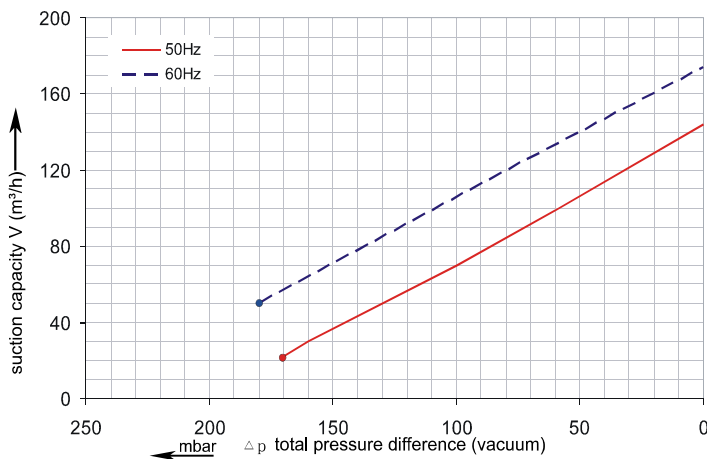


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V'	V1	V2	YxZ	X-Holes	ØX
EVSC-S41B3	3~	286	302	115	225	255	294	160	154	120	95	130	70	75	45	G1/4"	72	12	3	M6x19	M25x1,5	M16x1,5	-	-	M6x19	0°/120°/240°	174

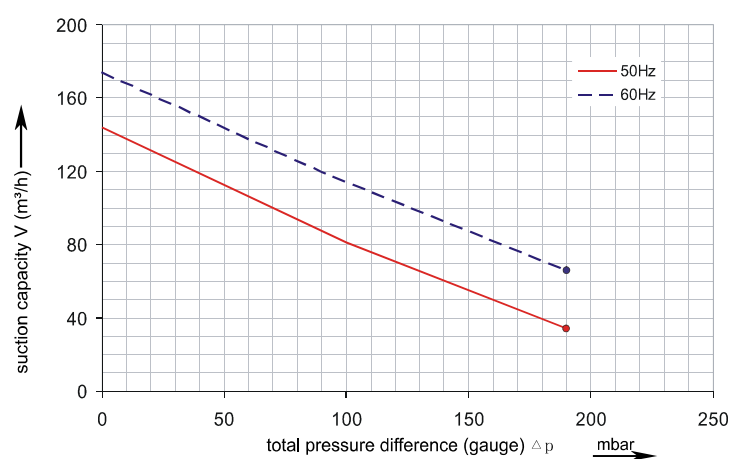


Single stage side channel vacuum pump / compressor **EVSC-S42A1**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S42A1

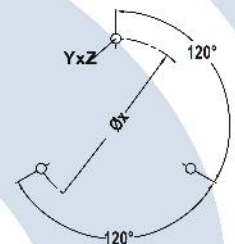
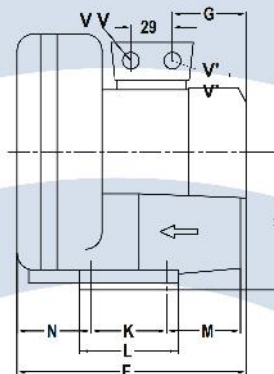
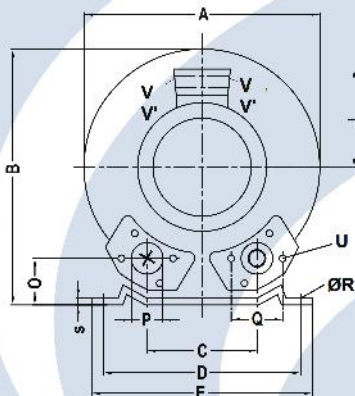
		50 Hz	60 Hz
Motor power	kW	1,1	1,3
Maximum airflow	m³/h	145	175
Ultimate pressure	mbar	+190	+190
Ultimate vacuum	mbar	-170	-180
Input voltage	V	230	230
Input current	A	7,3	8,3
Noise level	dB(A)	63	64
Weight	kg	16	16
Connection	inlet	G(BSP) 1½"	1½"
	outlet	G(BSP) 1½"	1½"

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



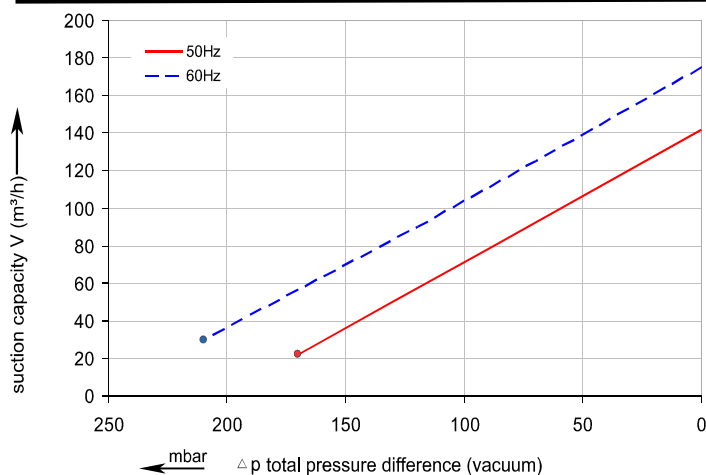
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁₋₁	V ₁₋₂	V ₁₋₃	V ₁₋₄	YxZ	X-Bohrungen X-Holes	ØK
EVSC-S42A1	1~	286	302	115	225	255	294	160	154	120	95	130	70	75	46	G1½(15tief-deep)	72	12	3	M6x19	M16x1.5	M25x1.5	-	-	M6x15	0°/120°/240°	174



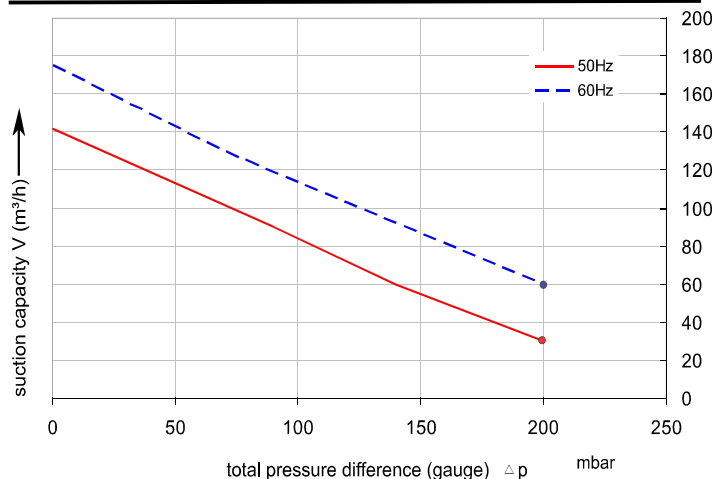
Single stage side channel vacuum pump / compressor **EVSC-S42B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S42B3

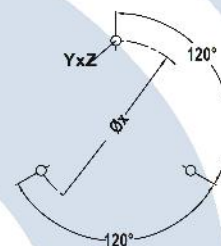
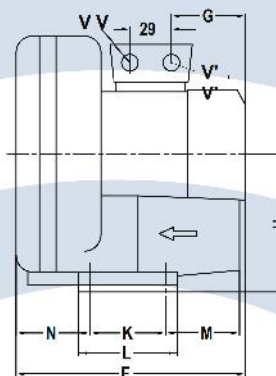
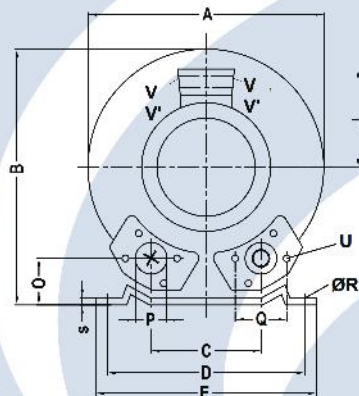
		50 Hz	60 Hz
Motor power	kW	1,10	1,30
Maximum airflow	m³/h	145	175
Ultimate pressure	mbar	+200	+200
Ultimate vacuum	mbar	-170	-210
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	4,35	3,1
Input current Y	A	2,5	2,6
Noise level	dB(A)	63	64
Weight	kg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

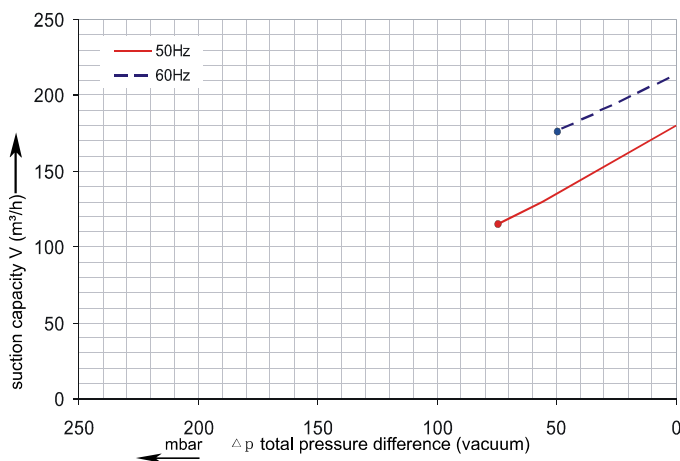


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V'	V''	V'''	YxZ	X-Holes	ØX
EVSC-S42B3	3~	286	302	115	225	255	294	160	154	120	95	130	70	75	45	G1 1/4	72	12	3	M6x19	M25x1.5	M16x1.5	-	-	M6x19	0°/120°/240°	174

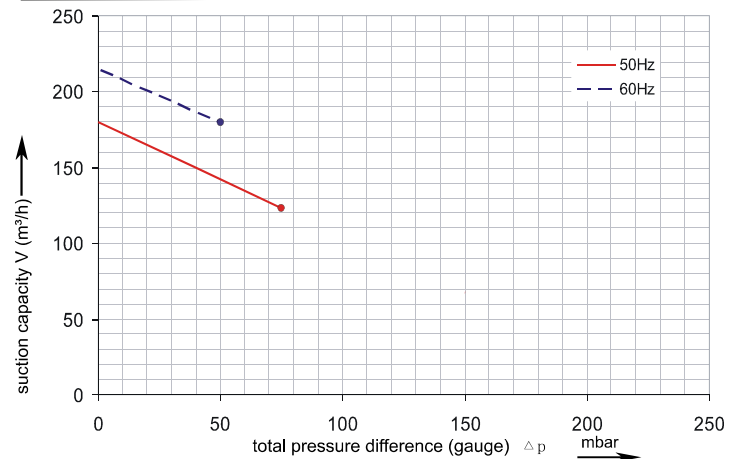


Single stage side channel vacuum pump / compressor **EVSC-S43A3**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S43A3

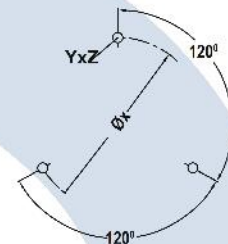
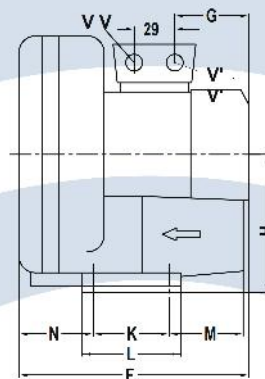
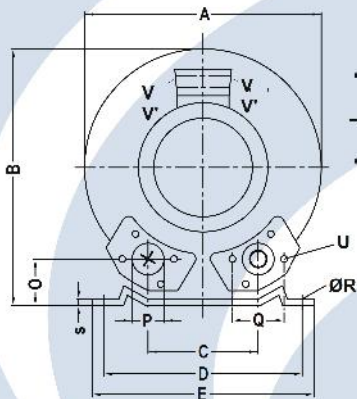
		50 Hz	60 Hz
Motor power	kW	0,7	0,83
Maximum airflow	m³/h	180	210
Ultimate pressure	mbar	+75	+50
Ultimate vacuum	mbar	-75	-50
Input voltage 3 phase Δ	V	200-240	220-275
Input voltage 3 phase Y	V	345-415	380-480
Input current Δ	A	3,8	2,75
Input current Y	A	2,2	2,15
Noise level	dB(A)	64	64
Weight	kg	14	14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

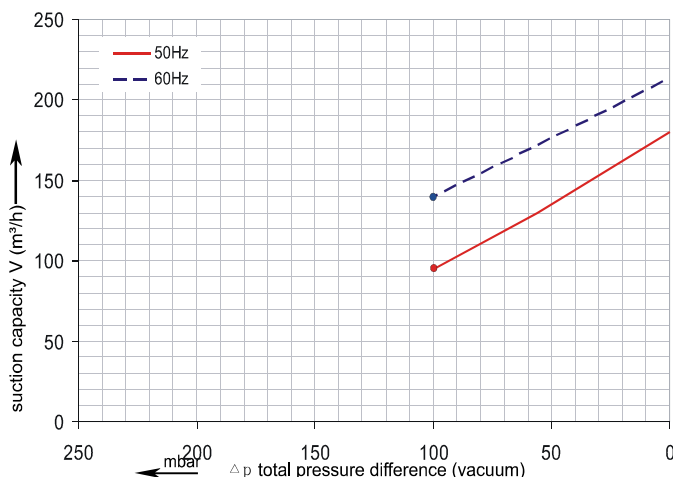


Type	Phases																										X-Borungen X-Holes					ØK
		A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁	V ₁₁	V ₁₂	V ₁₃	V ₁₄	V ₁₅						
EVSC-S43A3	3~	286	302	115	225	255	288	135	154	111	95	130	70	75	48	G1½(150ef-deep)	72	12	3	M6x19	-	-	M25x1.5	M16x1.5	M6x15	0°/120°/240°	174					

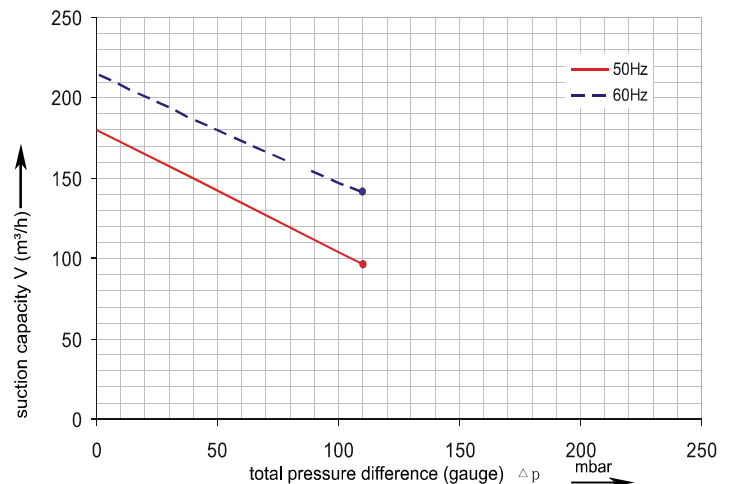


Single stage side channel vacuum pump / compressor **EVSC-S44A1**

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S44A1

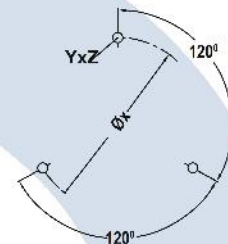
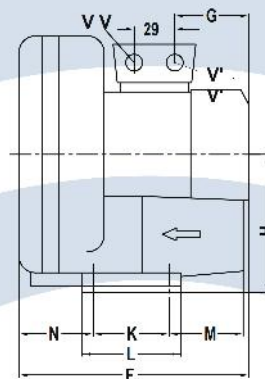
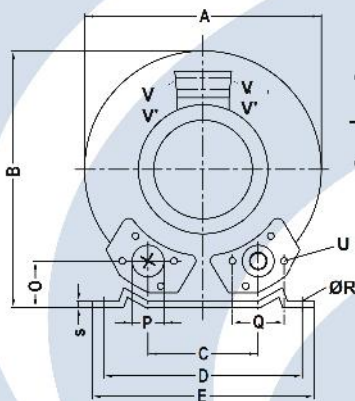
		50 Hz	60 Hz
Motor power	kW	0,8	0,9
Maximum airflow	m³/h	180	215
Ultimate pressure	mbar	+110	+110
Ultimate vacuum	mbar	-100	-100
Input voltage	V	230	230
Input current	A	5,2	5,8
Noise level	dB(A)	64	66
Weight	kg	16	16
Connection	inlet	G(BSP) 1½"	1½"
	outlet	G(BSP) 1½"	1½"

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



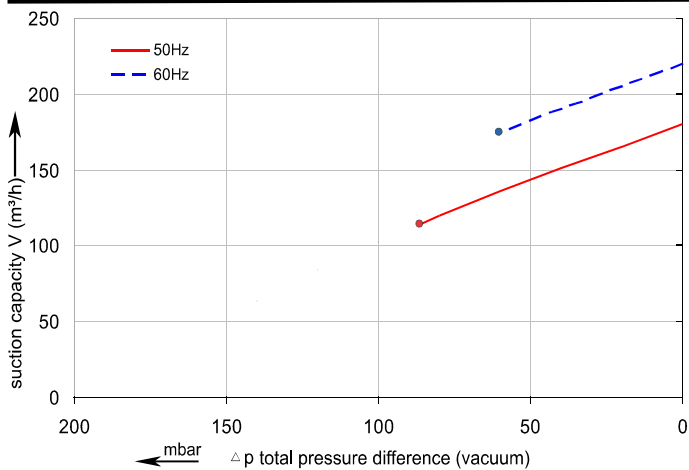
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁₋₁	V ₁₁₋₁	V ₁₁₋₂	V ₁₁₋₃	YxZ	X-Bohrungen X-Holes	ØK
EVSC-S44A1	1...	286	302	115	225	255	311	160	154	120	95	130	70	75	46	G1½(15tief-deep)	72	12	3	M6x19	M16x1.5	M25x1.5	-	-	M6x15	0°/120°/240°	174



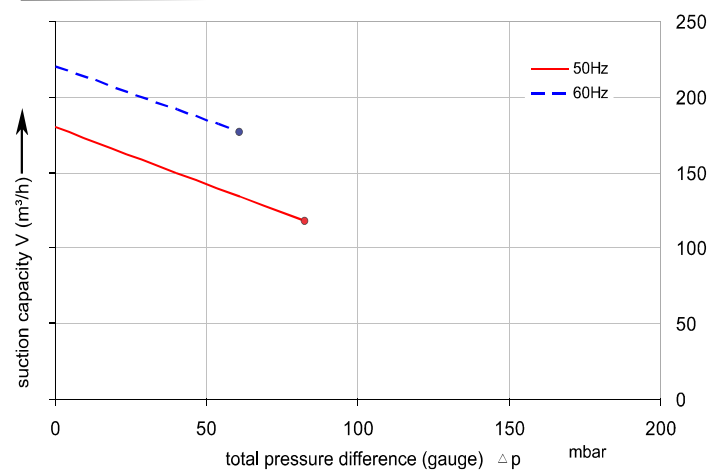
Single stage side channel vacuum pump / compressor **EVSC-S44B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S44B3

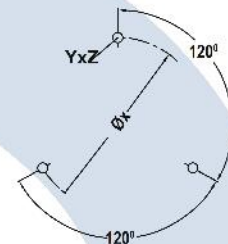
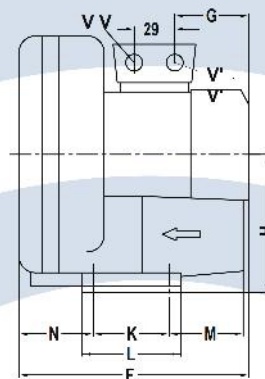
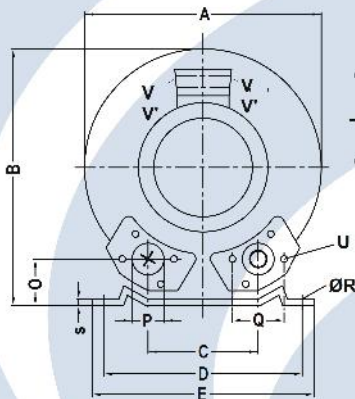
		50 Hz	60 Hz
Motor power	kW	0,75	0,86
Maximum airflow	m³/h	180	210
Ultimate pressure	mbar	+80	+60
Ultimate vacuum	mbar	-80	-60
Input voltage 3 phase Δ	V	220-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	3,12	3,1
Input current Y	A	1,8	1,9
Noise level	dB(A)	64	65
Weight	kg	16	16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

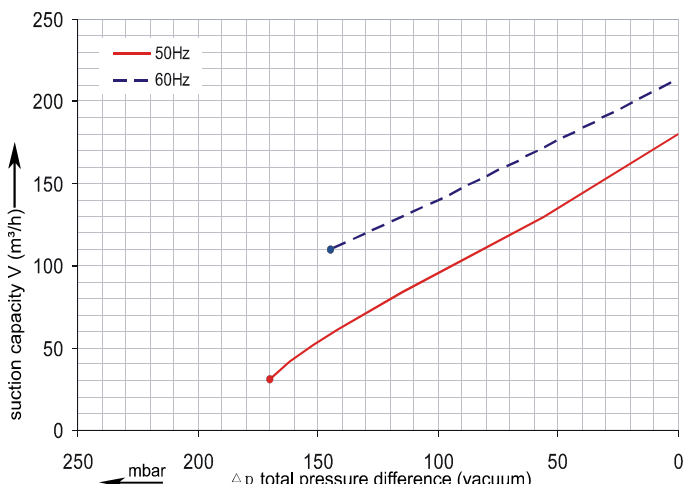
Vacuum/pressure relief valve	See page 123
Vacuum inline dust filter	602025
Compressor suction filter	140025
Set of feet for horizontal positioning	140010



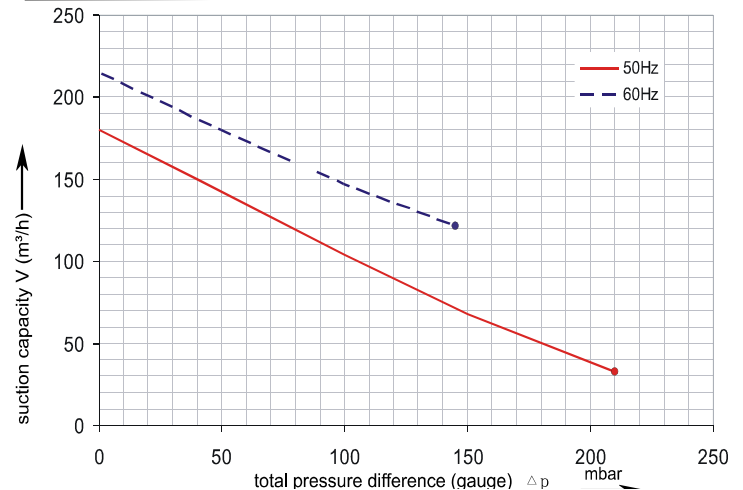
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V	V'	V''	V'''	YxZ	X-Holes	ØX
EVSC-S44B3	3~	286	302	115	225	255	309	160	154	120	95	130	70	91	45	G1¼	72	12	3	M6x19	M25x1.5	M16x1.5	-	-	M6x19	0°/120°/240°	174

Single stage side channel vacuum pump / compressor EVSC-S45A1

Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S45A1

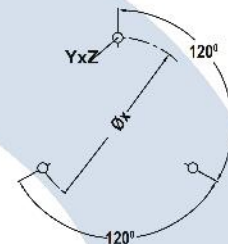
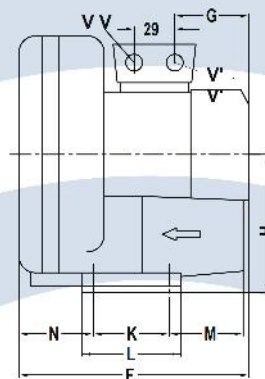
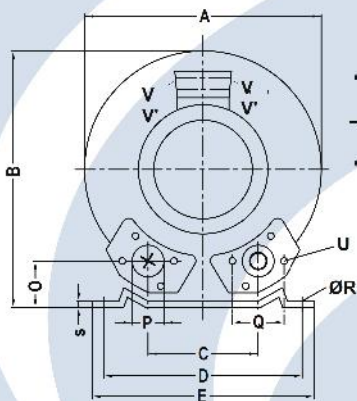
		50 Hz	60 Hz
Motor power	kW	1,1	1,3
Maximum airflow	m³/h	180	210
Ultimate pressure	mbar	+210	+145
Ultimate vacuum	mbar	-170	-145
Input voltage	V	230	230
Input current	A	7,3	8,3
Noise level	dB(A)	64	66
Weight	kg	17	17
Connection inlet	G(BSP) 1½"	1½"	1½"
Connection outlet	G(BSP) 1½"	1½"	1½"

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



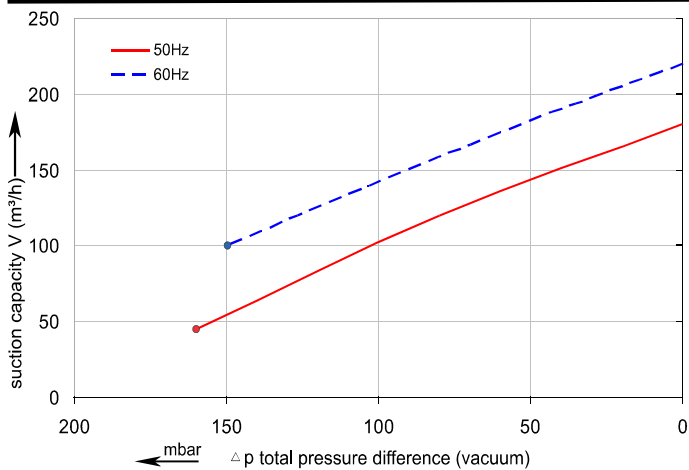
Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₁₋₂	V ₁₋₃	V ₂₋₁	V ₃₋₁	YxZ	X-Bohrungen X-Holes	ØK
EVSC-S45A1	1	286	302	115	225	255	311	160	154	120	95	130	70	75	46	G1/2(15tief-deep)	72	12	3	M6x19	M16x1.5	M25x1.5	-	-	M6x15	0°/120°/240°	174



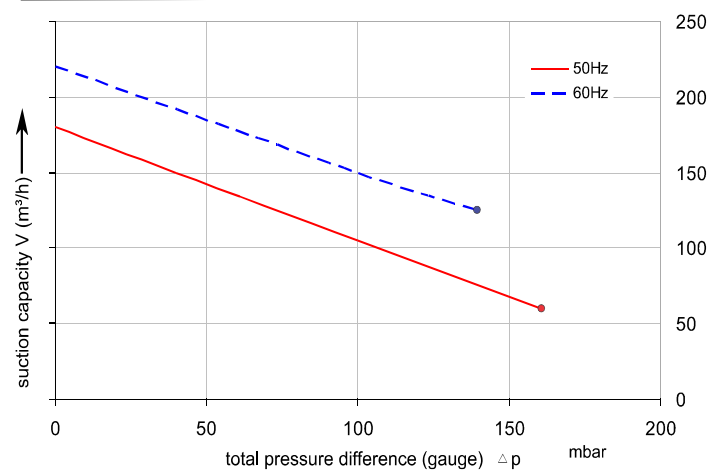
Single stage side channel vacuum pump / compressor **EVSC-S45B3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S45A3

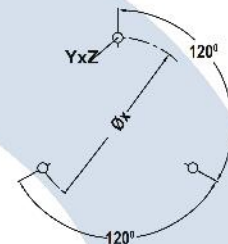
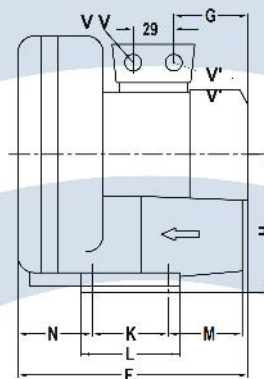
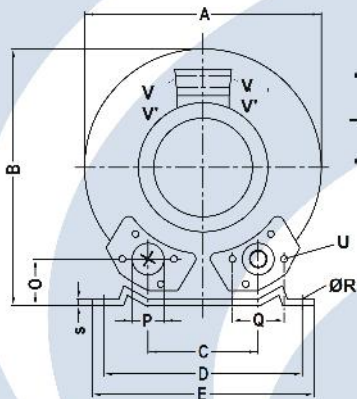
		50 Hz	60 Hz
Motor power	kW	1,1	1,3
Maximum airflow	m³/h	180	210
Ultimate pressure	mbar	+160	+140
Ultimate vacuum	mbar	-160	-150
Input voltage 3 phase Δ	V	200-260	230-290
Input voltage 3 phase Y	V	350-450	400-500
Input current Δ	A	4,35	3,1
Input current Y	A	2,5	2,6
Noise level	dB(A)	64	65
Weight	kg	17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

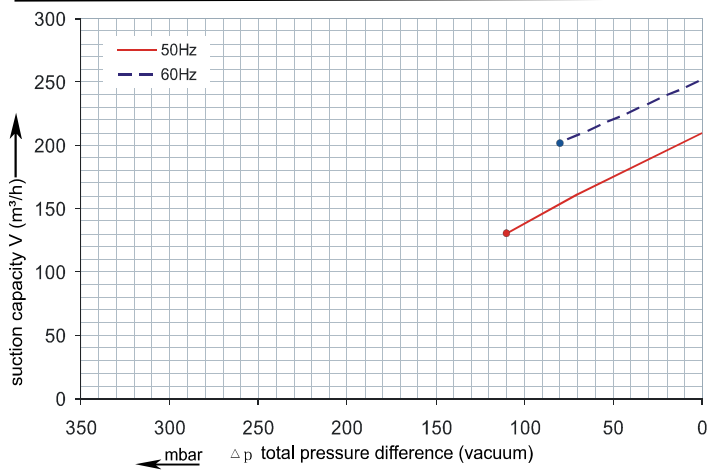


Type	Phases	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	ØR	S	U	V ₅₀	V ₆₀	V ₁₀₀	V ₁₂₀	YxZ	X-Bohrungen X-Holes	ØK
EVSC-S45B3	3~	286	302	115	225	255	309	160	154	120	95	130	70	91	45	G1/2(151/2 deep)	72	12	3	M6x19	M25x1.5	M16x1.5			M6x19	0°/120°/240°	174

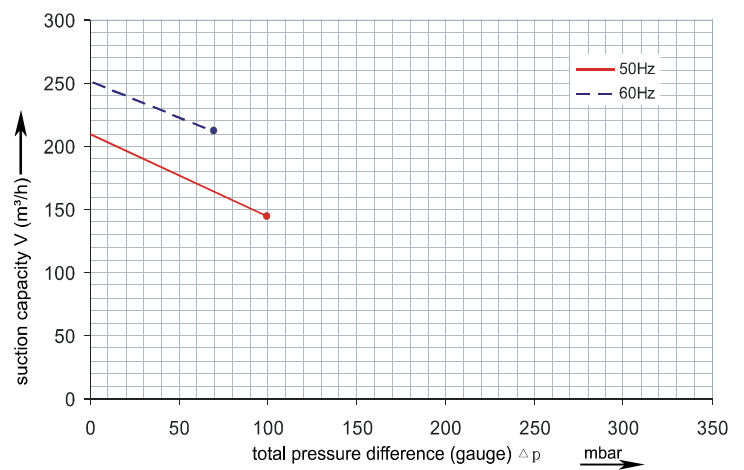
Single stage side channel vacuum pump / compressor **EVSC-S50A3**



Performance curve for Vacuum pump



Performance curve for Compressor



Technical Data

TYPE EVSC-S50A3

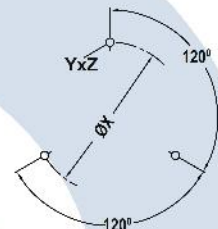
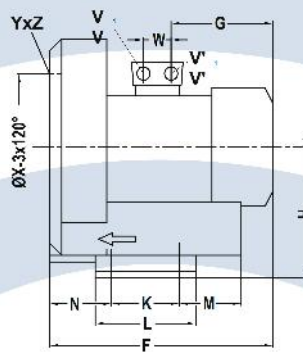
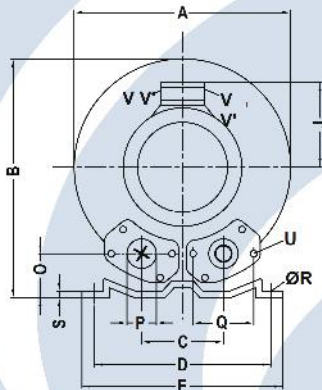
		50 Hz	60 Hz
Motor power	kW	0,85	0,95
Maximum airflow	m³/h	210	255
Ultimate pressure	mbar	+100	+70
Ultimate vacuum	mbar	-110	-80
Input voltage 3 phase Δ	V	200-240	220-275
Input voltage 3 phase Y	V	345-415	380-480
Input current Δ	A	4,0	4,2
Input current Y	A	2,3	2,4
Noise level	dB(A)	64	70
Weight	kg	20	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-1}	V _{Y-1}	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