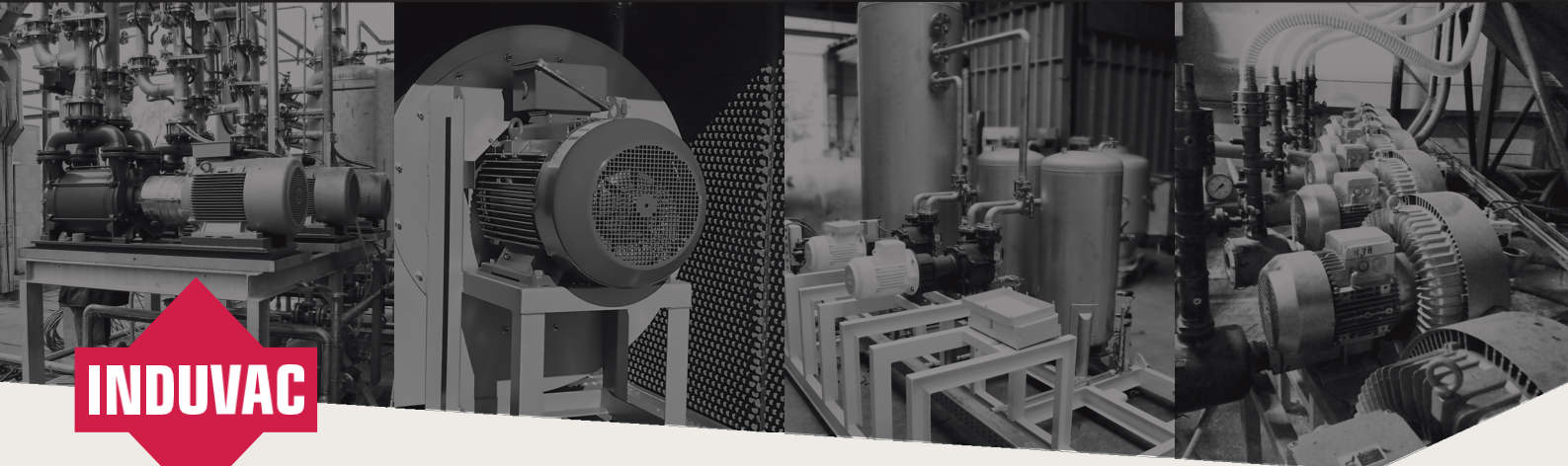


**INDUVAC**

Side channel blower 410 series

The standard VACOM® design, with housing an impeller made of aluminum alloy, is a direct drive configuration, with a dynamically balanced impeller, fitted directly on the motor shaft. The impeller rotates inside of the stator housing with a very small clearance. The absence of lubricants guarantees a 100% oil free vacuum or compression. Construction features of the VACOM® side channel blower are the very reliable operation and low maintenance. VACOM® blowers are directly driven, impellers fixed directly on the drive shaft. Impeller bearing is installed in the front cover and easily to assemble and disassemble. Machines are small and lightweight. VACOM® blowers are already available with differential pressures up to 700 mbar and capacities of 2000 m³/ hr.



Features

- ♦ Available from stock
- ♦ Almost free of maintenance
- ♦ Low power consumption
- ♦ Oil free compression, no oil in the medium
- ♦ Made of aluminum, so low weight and high corrosion resistance.

Accessories

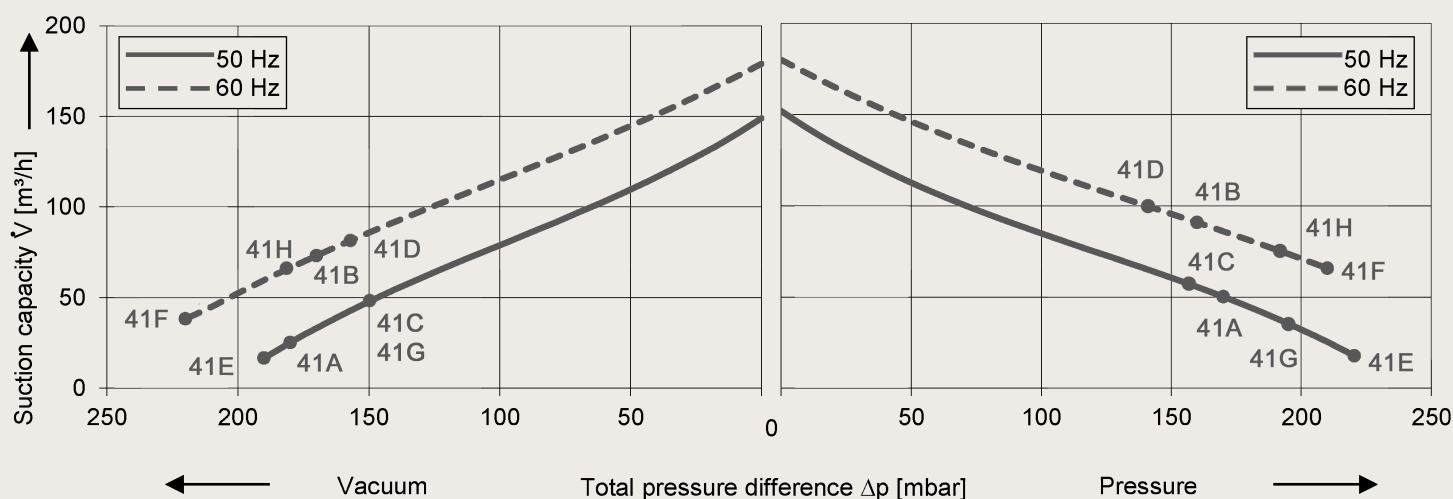
- ♦ Suction filter TGF (for vacuum)
- ♦ Suction filter VCFT (for compression)
- ♦ Pressure relief valve DB
- ♦ External silencer EGD
- ♦ Fittings
- ♦ Various: change valve, pressure gauge, non return valve



Technical data

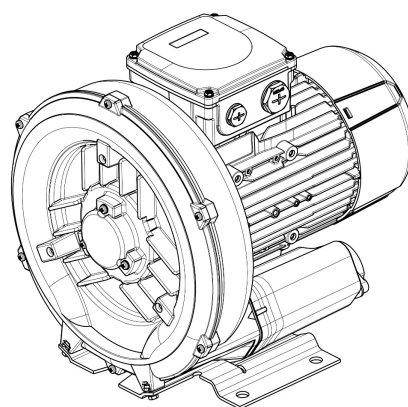
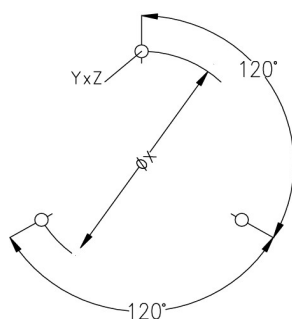
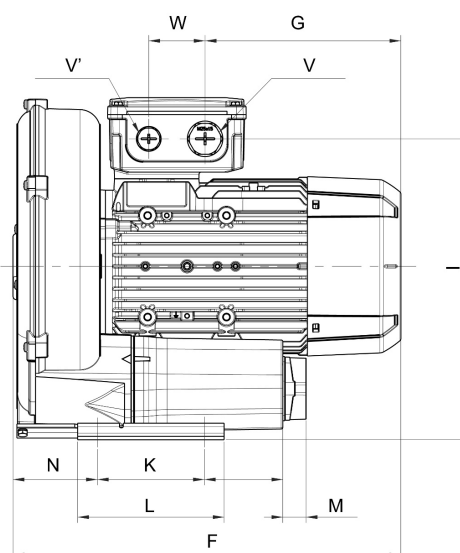
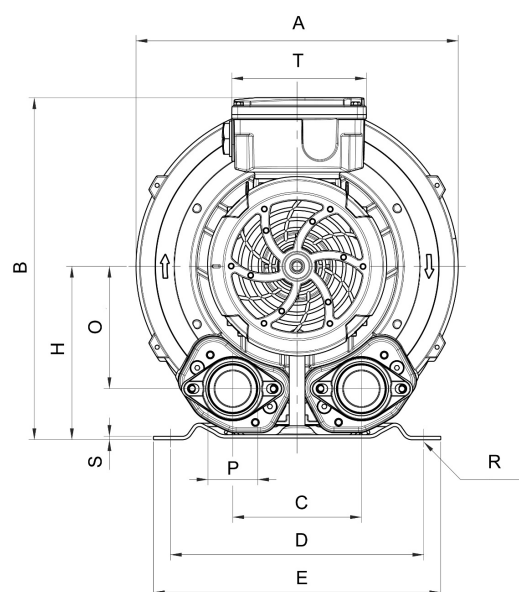
Type No.	Curve No.	Freq.	Power	Voltage		Current		Capacity	Pressure difference		Sound level	Connec- tion	Weight
		Hz	kW	V		A		m ³ /hr	Vacuum mbar	Pressure mbar	dB[A]	"G	kg
VC 307-410	41A	50	0,95	220-240 Δ	380-420 Y	3,60 Δ	2,10 Y	145	-180	170	61	1,5	19
	41B	60	0,99	Δ	440-480 Y	Δ	2,10 Y	175	-170	160	64	1,5	19
		50	0,75 IE3	220-240 Δ	380-420 Y	2,85 Δ	1,64 Y						
		60	0,86 IE3	Δ	440-480 Y		1,70 Y						
VC 108-410	41C	50	0,80	230		5,20		145	-150	160	63	1,5	15
	41D	60	0,90	230		5,80		175	-160	140	64	1,5	15
VC 311-410	41E	50	1,30	220-240 Δ	380-420 Y	4,90 Δ	2,85 Y	145	-190	220	61	1,5	21
	41F	60	1,60	Δ	440-480 Y	Δ	2,75 Y	175	-220	210	64	1,5	21
		50	1,10 IE3	220-240 Δ	380-420 Y	4,00 Δ	2,30 Y						
		60	1,30 IE3	Δ	440-480 Y		2,30 Y						
VC 111-410	41G	50	1,10	230		7,30		145	-150	190	63	1,5	16
	41H	60	1,30	230		8,30		175	-180	190	64	1,5	16

Curves



Curves are valid for dry air, with a temperature of 15°C at the inlet and a pressure of 1013 m bar(a) at the inlet or outlet connection (for over- or under-pressure application respectively). The tolerance on capacity is +/- 10%. No rights can be derived from the sketches, dimensions and contents of this data sheet. The data is for information purposes only. Induvac reserves the right to change or modify the data. No complaints can be made about this.

Dimensions



Curve No.	Type	A	B	C	D	E	F	G	H	I	K	L
41A / 41B	VC 307-410	286	303	115	225	255	344	174	154	267	95	130
41C / 41D	VC 108-410	286	303	115	225	255	292	160	154	244	95	130
41E / 41F	VC 311-410	286	303	115	225	255	344	174	154	267	95	130
41G / 41H	VC 111-410	286	303	115	225	255	292	160	154	244	95	130
Curve No.	Type	M	N	O	P	ØR	S	T	V	V'	W	ØX
41A / 41B	VC 307-410	21	75	109	G 1 1/2"	12	3	120	M25x1,5	M16x1,5	50	174
41C / 41D	VC 108-410	21	75	109	G 1 1/2"	12	3	75	M25x1,5	M16x1,5	30	174
41E / 41F	VC 311-410	21	75	109	G 1 1/2"	12	3	120	M25x1,5	M16x1,5	50	174
41G / 41H	VC 111-410	21	75	109	G 1 1/2"	12	3	75	M25x1,5	M16x1,5	30	174

Dimensions in mm