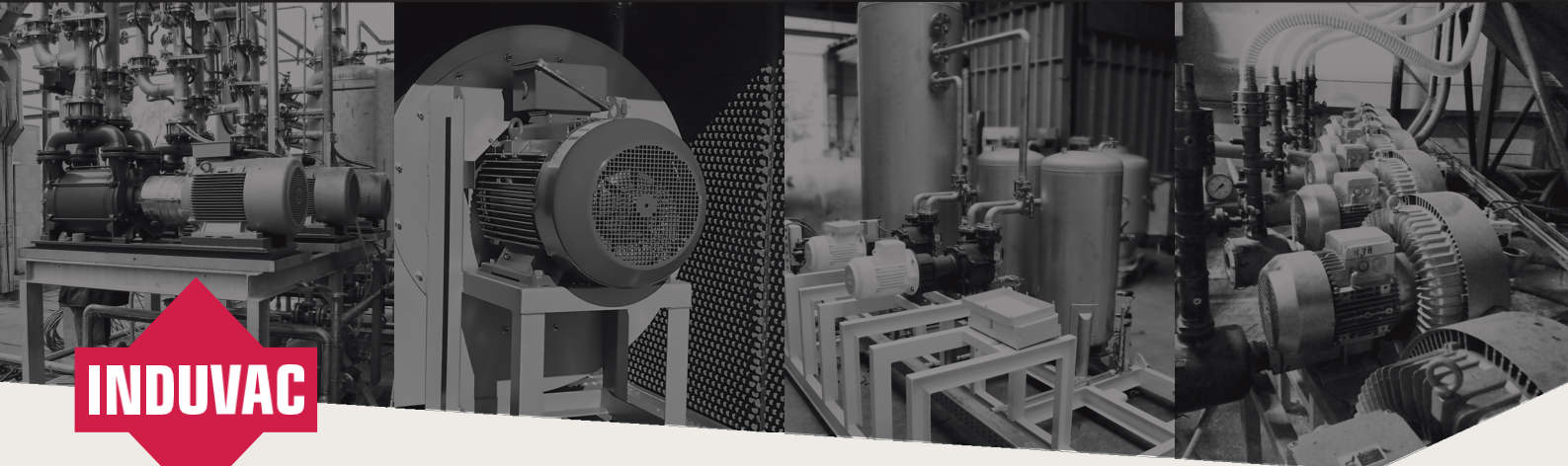


**INDUVAC**

Side channel blower 810 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

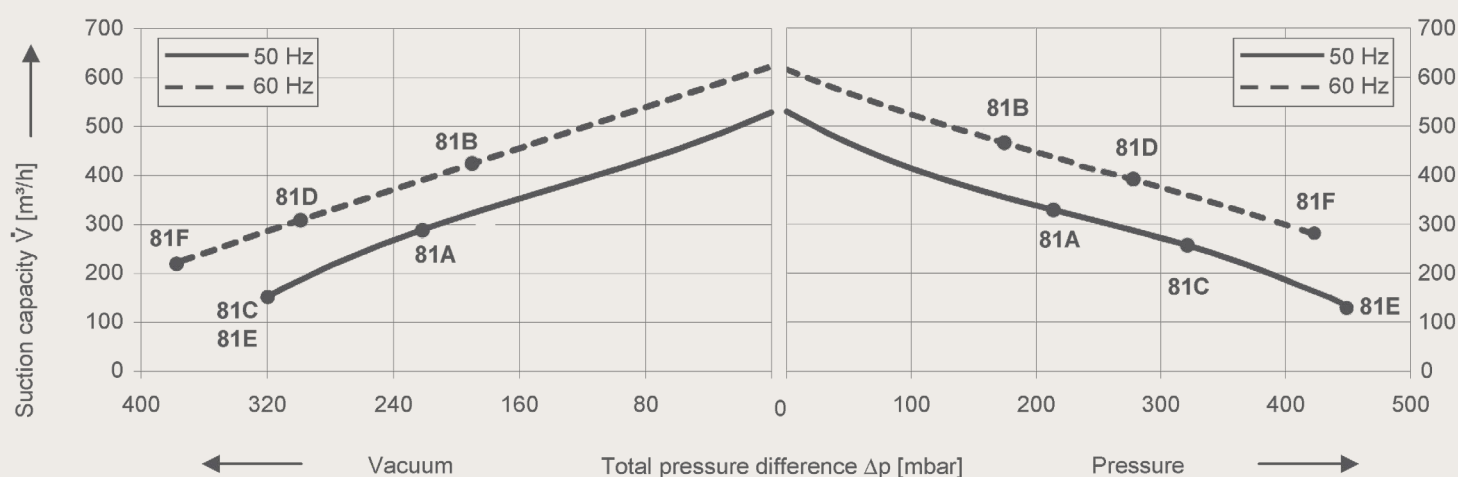
- ♦ Suction filter TGF (for vacuum)
- ♦ Suction filter VCFT (for compression)
- ♦ Pressure relief valve DB
- ♦ External silencer EGD
- ♦ Fittings
- ♦ Various: change valve, pressure gauge, non return valve



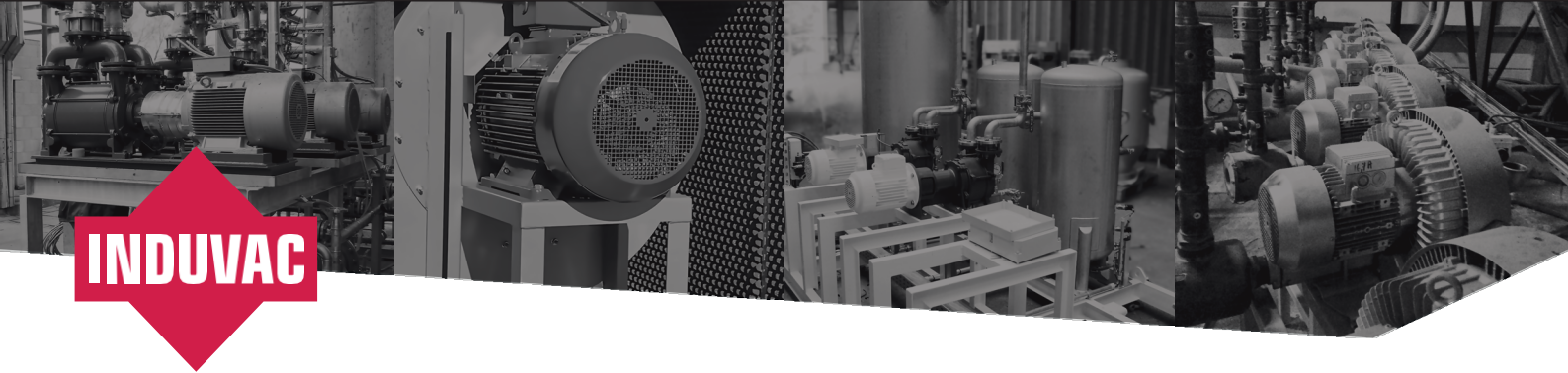
Technical data

Type No.	Curve No.	Freq.	Power	Voltage		Current		Capacity	pressure difference		Sound level	Connec- tion	Weight
		Hz	kW	V		A		m³/hr	Vacuum mbar	Pressure mbar	dB(A)	"G	kg
VC 340-810	81A	50	4,60	380-420 Δ	660-725 Y	8,60 Δ	5,00 Y	530	-220	210	66	2,5	60
	81B	60	5,30	440-480 Δ	Y	8,50 Δ	Y	620	-190	180	70	2,5	60
		50	4,00 IE3	380-420 Δ	660-725 Y	7,40 Δ	4,30 Y						
		60	4,60 IE3	440-480 Δ	Y	7,40 Δ							
VC 355-810	81C	50	6,30	380-420 Δ	660-725 Y	11,80 Δ	6,80 Y	530	-320	320	71	2,5	72
	81D	60	7,30	440-480 Δ	Y	12,00 Δ	Y	620	-300	280	75	2,5	72
		50	5,50 IE3	380-420 Δ	660-725 Y	10,10 Δ	5,80 Y						
		60	6,30 IE3	440-480 Δ	Y	10,00 Δ							
VC 375-810	81E	50	8,60	380-420 Δ	660-725 Y	15,50 Δ	8,90 Y	530	-320	450	71	2,5	75
	81F	60	9,90	440-480 Δ	Y	15,30 Δ	Y	620	-380	420	75	2,5	75
		50	7,50 IE3	380-420 Δ	660-725 Y	13,50 Δ	7,80 Y						
		60	8,60 IE3	440-480 Δ		13,40 Δ	Y						

Curves

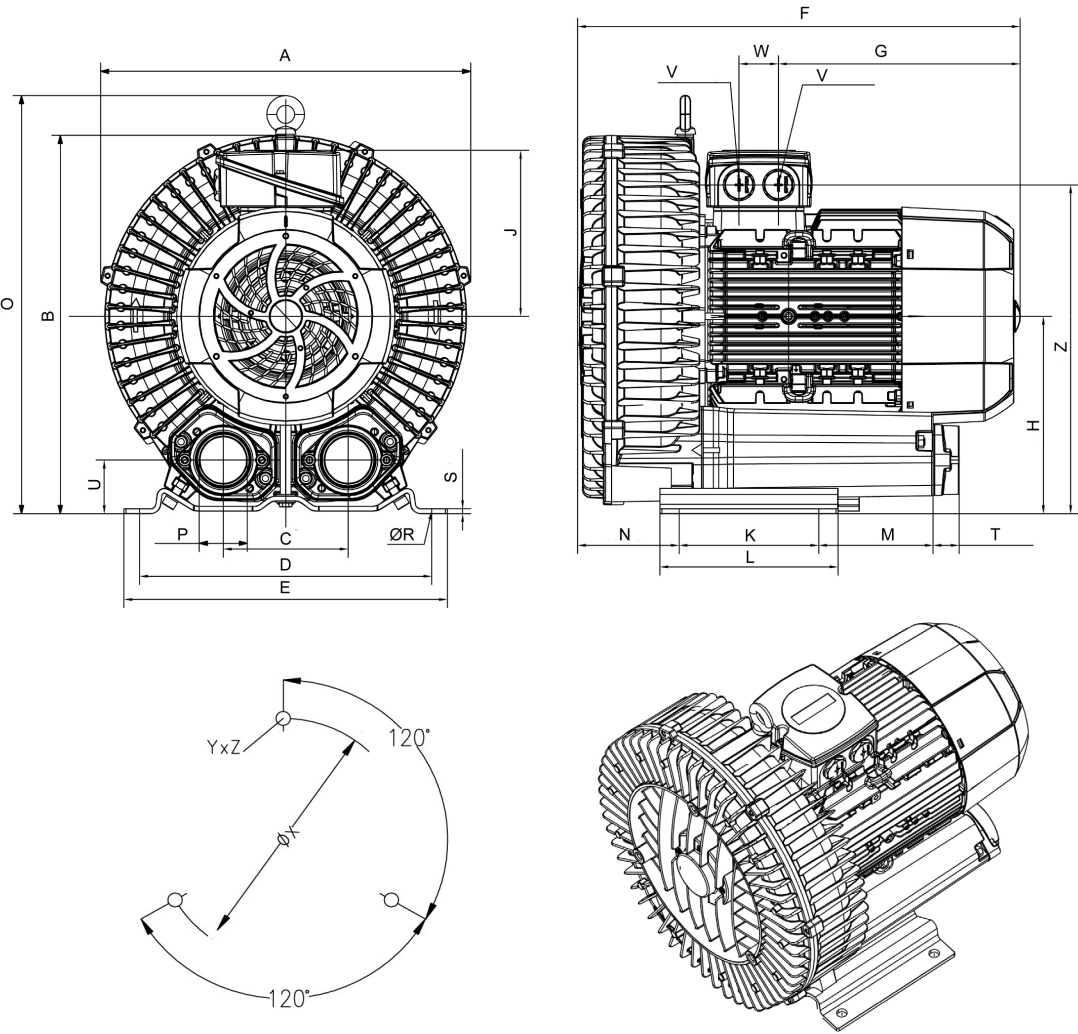


Curves are valid for dry air, with a temperature of 15°C at the inlet and a pressure of 1013 m bar(a) at the inlet or outlet connection (for over- or under-pressure application respectively). The tolerance on capacity is +/- 10%. No rights can be derived from the sketches, dimensions and contents of 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.



INDUVAC

Dimensions



Curve No.	Type	A	B	C	D	E	F	G	H	J	K	L	M	N
81A / 81B	VC 340-810	451	461	152	356	394	470	234	240	177	170	217	140	124
81C / 81D	VC 355-810	451	461	152	356	394	539	295	240	202	170	217	140	124
81E / 81F	VC 375-810	451	461	152	356	394	539	295	240	202	170	217	140	124
Curve No.	Type	O	P	Ø R	S	T	U	V'	W	YxZ	X-holes	Ø X	Z	
81A / 81B	VC 340-810	509	G 2½"	15	6	32	65	M32 X 1.5	50	M12x20	0°/120°/240°	Ø286	377	
81C / 81D	VC 355-810	509	G 2½"	15	6	32	65	M32 X 1.5	50	M12x20	0°/120°/240°	Ø286	400	
81E / 81F	VC 375-810	509	G 2½"	15	6	32	65	M32 X 1.5	50	M12x20	0°/120°/240°	Ø286	400	