



## Side channel blowers VC 810 series

The standard VACOM® design, with housing and 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. Larger models include housings in cast iron. 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 up to 2000 m<sup>3</sup>/hr.



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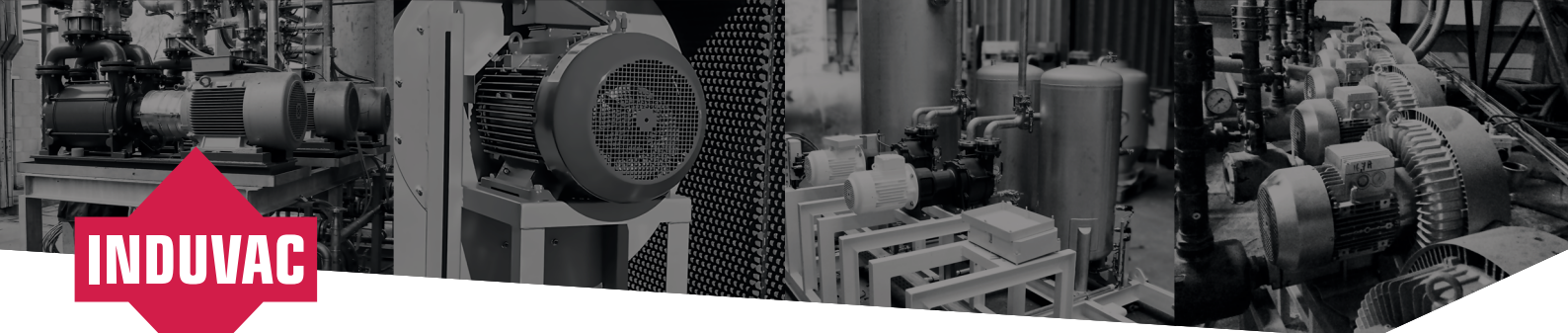
### Features

- ◆ Available from stock
- ◆ Almost free of maintenance
- ◆ Low in power consumption
- ◆ Oil free compression, no oil pollution in the medium
- ◆ Made of aluminum, very high corrosion resistance

### Accessories

- ◆ Suction filter VCF ( for vacuum)
- ◆ Suction filter VCFT (for compression)
- ◆ Pressure relief valve DB
- ◆ Silencer
- ◆ Non return valve
- ◆ Switch over valve

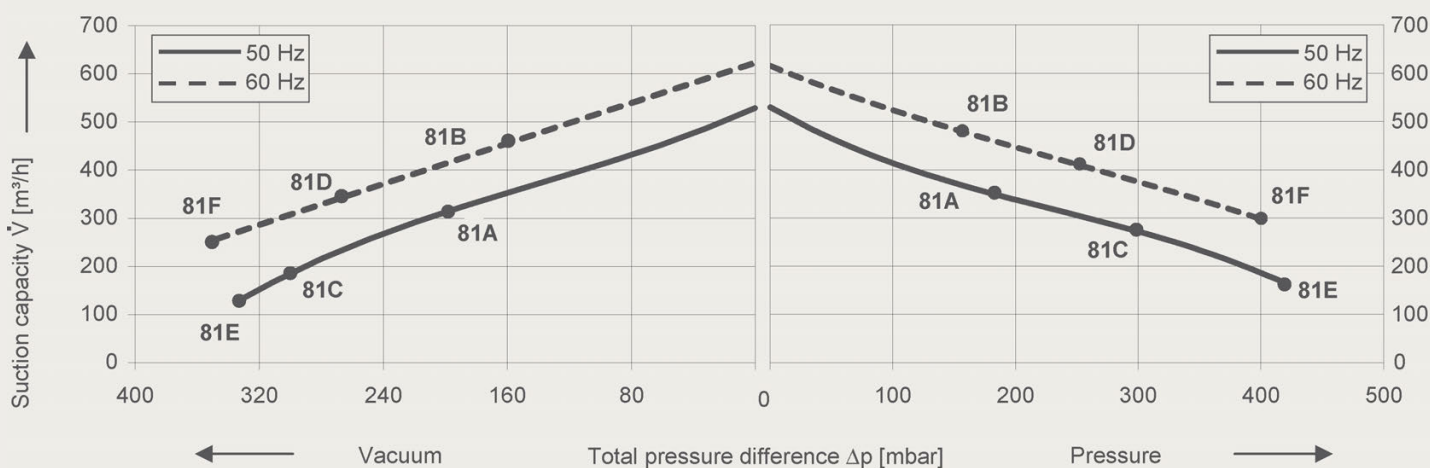




## Technical data

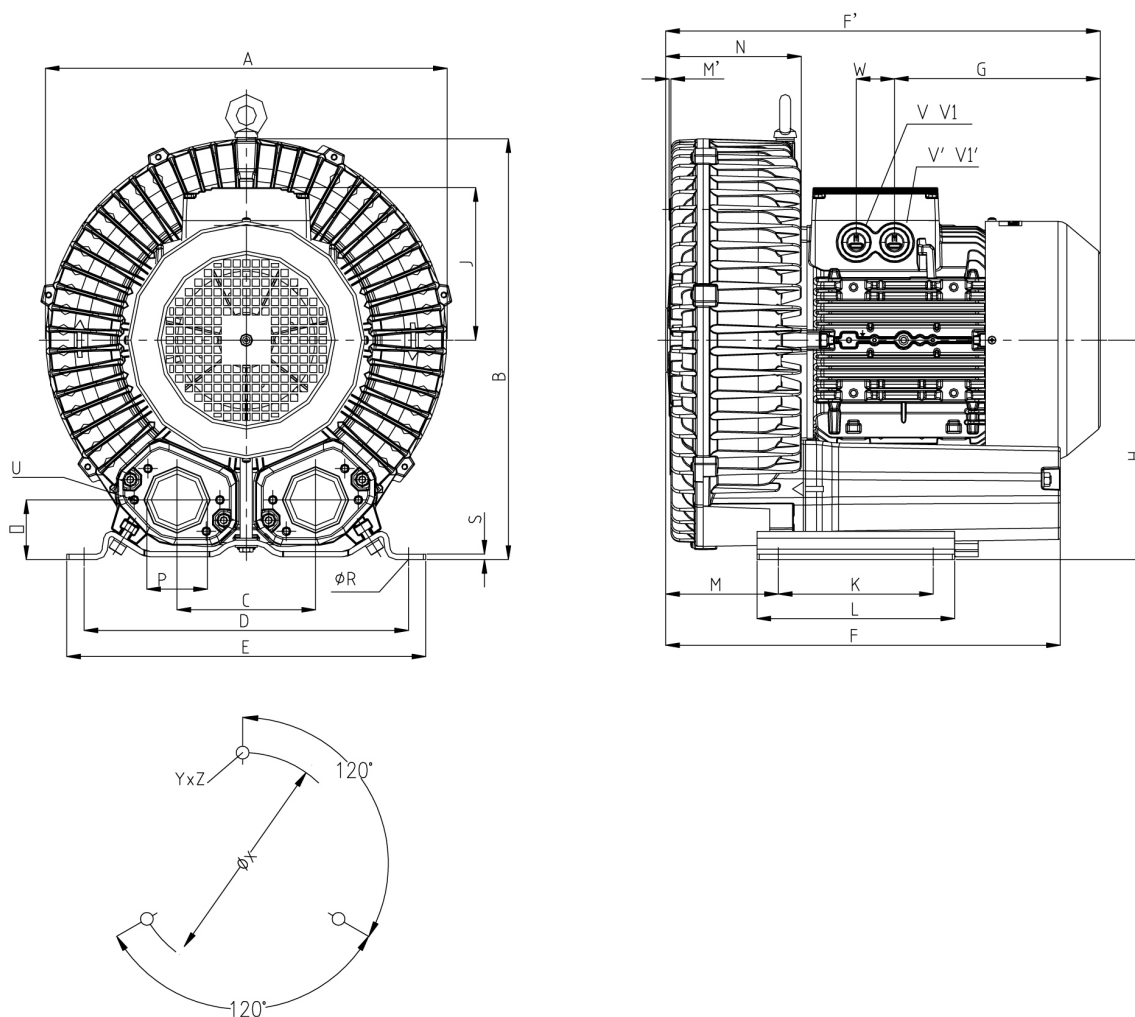
Type No.	Curve No.	Freq. Hz	Power kW	Voltage		Current			Capacity m <sup>3</sup> /hr	Pressure difference		Sound level dB(A)	Con- nection "G	Weight kg		
				V		A				Vacuum mbar	Pressure mbar					
VC 340-810	81A	50	4,60	380-420 Δ	660-725 Y	8,60	Δ	5,00	Y	530	-200	180	70	2,5	62	
	81B	60	5,30	460-520 Δ	790-870 Y	8,40	Δ	4,80	Y	620	-160	150	74	2,5	62	
		50	4,00	IE3	400 Δ	690 Y	7,45	Δ	4,30	Y						
		60	4,60	IE3	480 Δ		7,40	Δ								
VC 355-810	81C	50	6,30	380-420 Δ	660-725 Y	11,80	Δ	6,80	Y	530	-300	300	70	2,5	73	
	81D	60	7,30	460-520 Δ	790-870 Y	11,60	Δ	6,70	Y	620	-270	250	74	2,5	73	
		50	5,50	IE3	400 Δ	690 Y	10,10	Δ	5,83	Y						
		60	6,30	IE3	480 Δ		9,60	Δ								
VC 375-810	81E	50	8,60	380-420 Δ	660-725 Y	15,50	Δ	8,90	Y	530	-340	420	70	2,5	77	
	81F	60	9,90	460-520 Δ	790-870 Y	15,40	Δ	8,80	Y	620	-350	400	74	2,5	77	
		50	7,50	IE3	400 Δ	690 Y	13,50	Δ	7,80	Y						
		60	8,60	IE3	480 Δ		12,90	Δ								

## 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	B'	C	D	E	F	F'	G	H	J	K
81A / 81B	VC 340-810	451	461	509	152	356	394	433	450	230	240	148	170
81C / 81D	VC 355-810	451	461	509	152	356	394	433	477	226	240	167	170
81E / 81F	VC 375-810	451	461	509	152	356	394	433	477	226	240	167	170
Curve No.	Type	L	M	N	O	ØP	ØR	S	V	W	ØX	YxZ	X-holes
81A / 81B	VC 340-810	217	140	124	65	G 2 1/2"	15	6	4 x M32 x 1,5	42	286	M12 x 20	0°/120°/240°
81C / 81D	VC 355-810	217	140	124	65	G 2 1/2"	15	6	4 x M32 x 1,5	42	286	M12 x 20	0°/120°/240°
81E / 81F	VC 375-810	217	140	124	65	G 2 1/2"	15	6	4 x M32 x 1,5	42	286	M12 x 20	0°/120°/240°