



Side channel blowers VC 830 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 m³/hr.



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

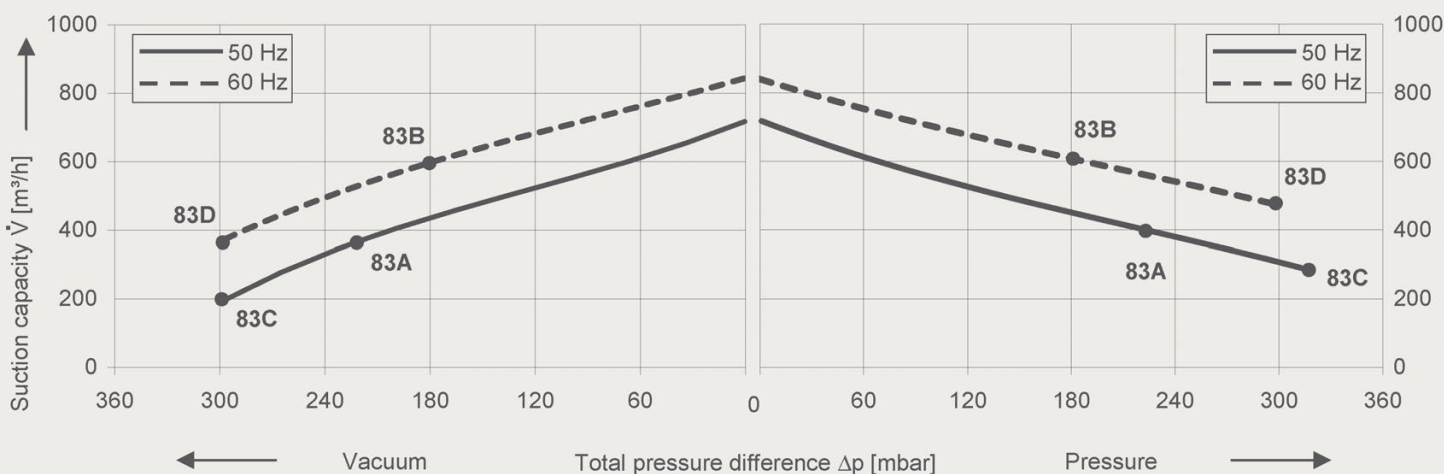
- ◆ Suction filter VCF (for vacuum)
- ◆ Suction filter VCFT (for compression)
- ◆ Pressure relief valve DB
- ◆ Silencer
- ◆ Non return valve
- ◆ Switch over valve



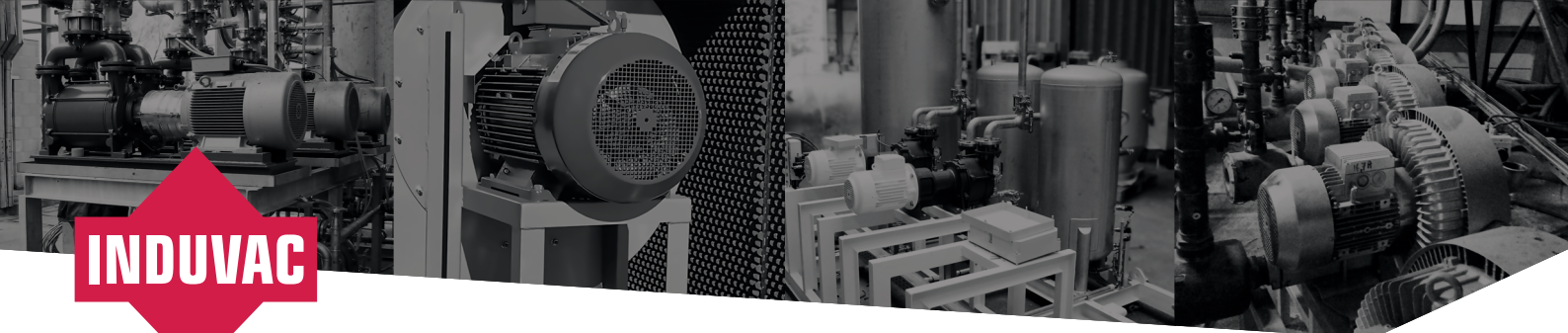
Technical data

Type No.	Curve No.	Freq. Hz	Power kW	Voltage		Current		Capacity m ³ /hr	Pressure difference		Sound level dB(A)	Connec- tion "G	Weight kg
				V		A			Vacuum mbar	Pressure mbar			
VC 355-830	83A	50	6,30	380-420 Δ	660-725 Y	11,80 Δ	6,80 Y	700	-220	220	70	2,5	76
	83B	60	7,30	460-520 Δ	790-870 Y	11,60 Δ	6,70 Y	840	-180	180	74	2,5	76
		50	5,50	IE3	400 Δ	690 Y	10,10 Δ	5,83 Y					
		60	6,30	IE3	480 Δ	Y	9,60 Δ	Y					
VC 375-830	83C	50	8,60	380-420 Δ	660-725 Y	15,50 Δ	8,90 Y	700	-300	320	70	2,5	79
	83D	60	9,90	460-520 Δ	790-870 Y	15,40 Δ	8,80 Y	840	-300	300	74	2,5	79
		50	7,50	IE3	400 Δ	690 Y	13,50 Δ	7,80 Y					
		60	8,60	IE3	480 Δ	Y	12,90 Δ	Y					

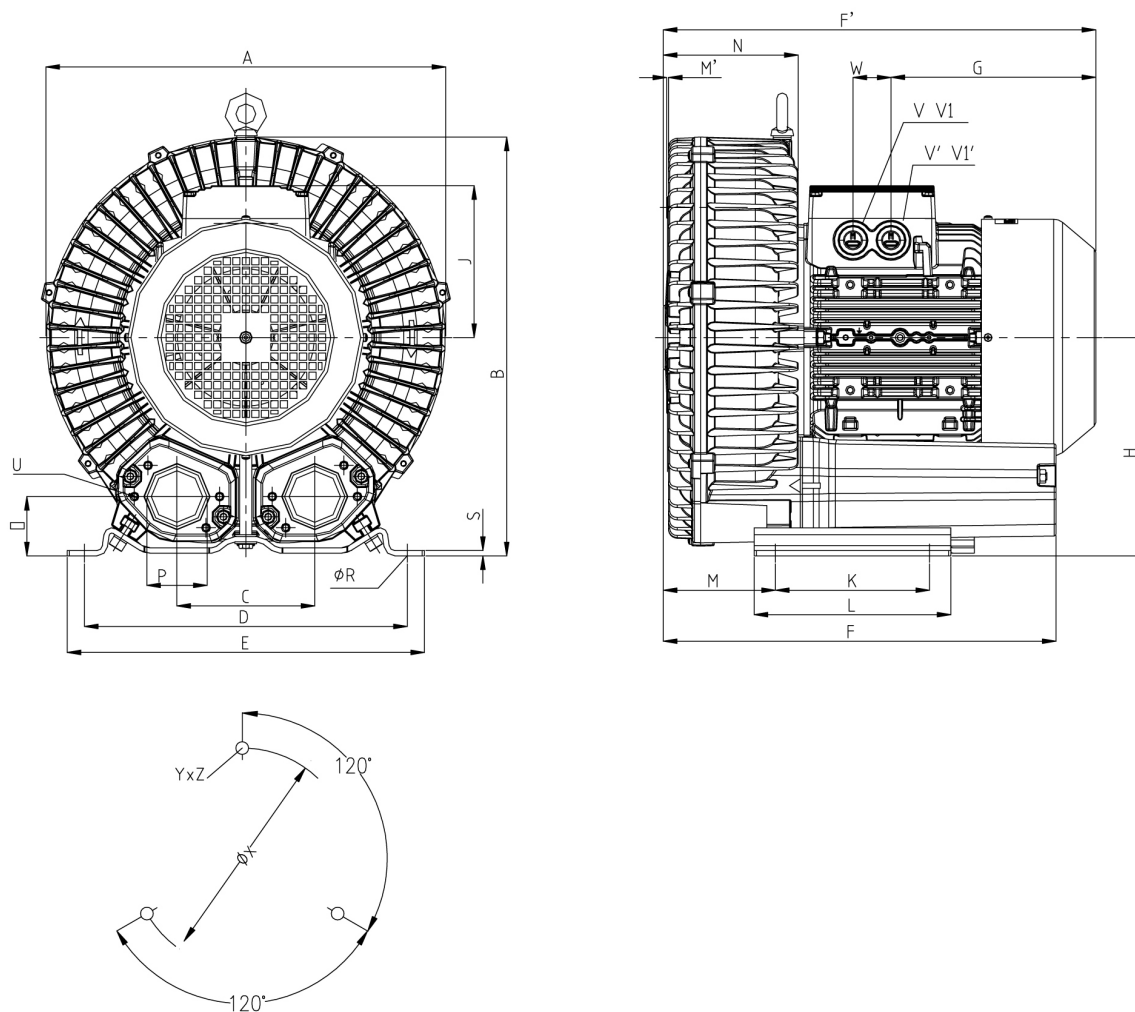
Curves



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.



Dimensions



Curve No.	Type	A	B	B'	C	D	E	F	F'	G	H	J	K
83A / 83B	VC 355-830	451	461	509	152	356	394	449	492	247	240	167	170
83C / 83D	VC 375-830	451	461	509	152	356	394	449	492	247	240	167	170
Curve No.	Type	L	M	N	O	ØP	ØR	S	V	W	ØX	YxZ	X-holes
83A / 83B	VC 355-830	217	139	164	65	G 2 ½"	15	6	4 x M32 x 1,5	42	286	M12 x 20	0°/120°/240°
83C / 83D	VC 375-830	217	139	164	65	G 2 ½"	15	6	4 x M32 x 1,5	42	286	M12 x 20	0°/120°/240°