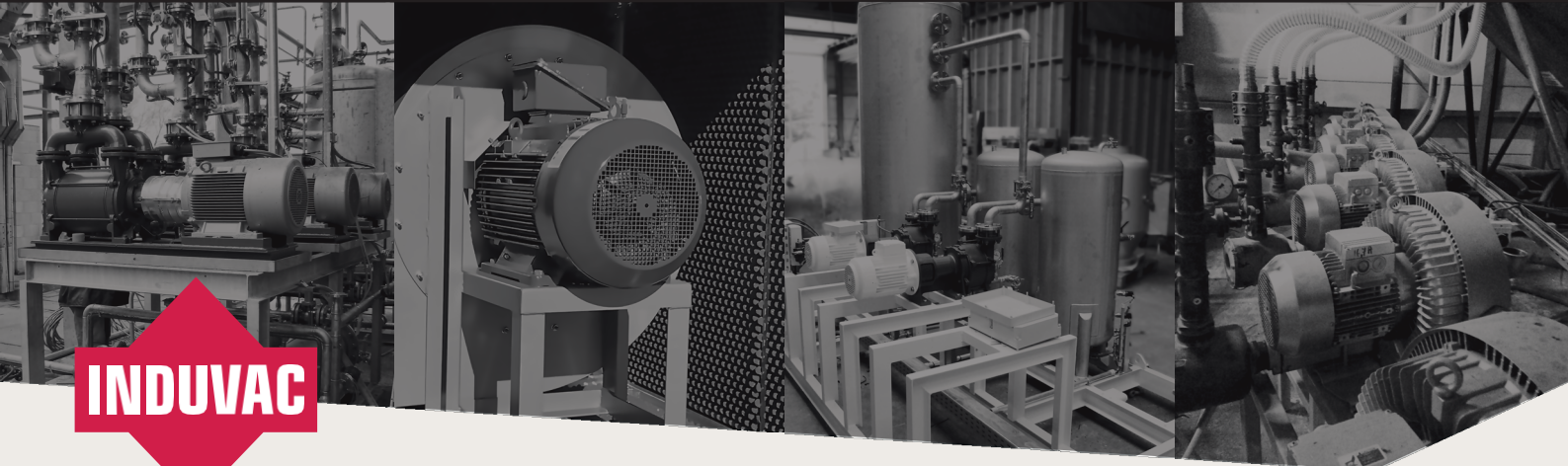


**INDUVAC**

Side channel blower 830 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.



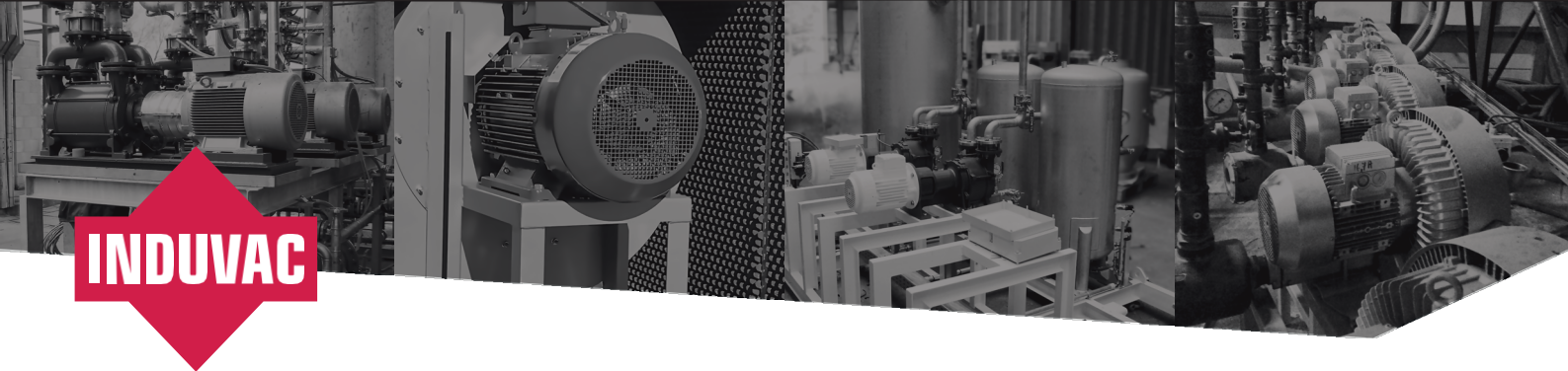
Features

- ♦ 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

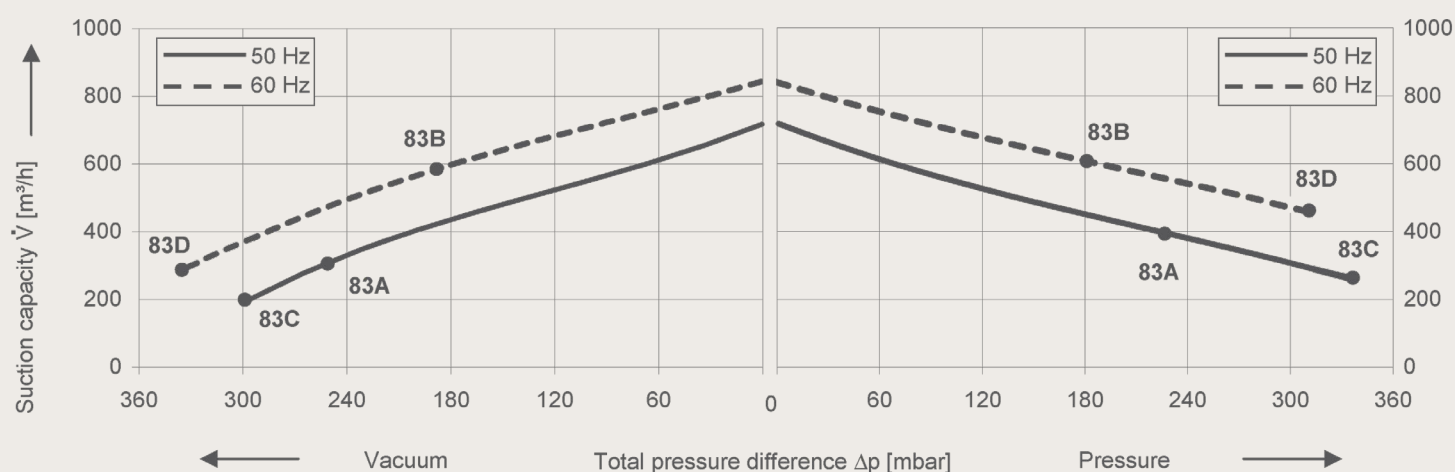




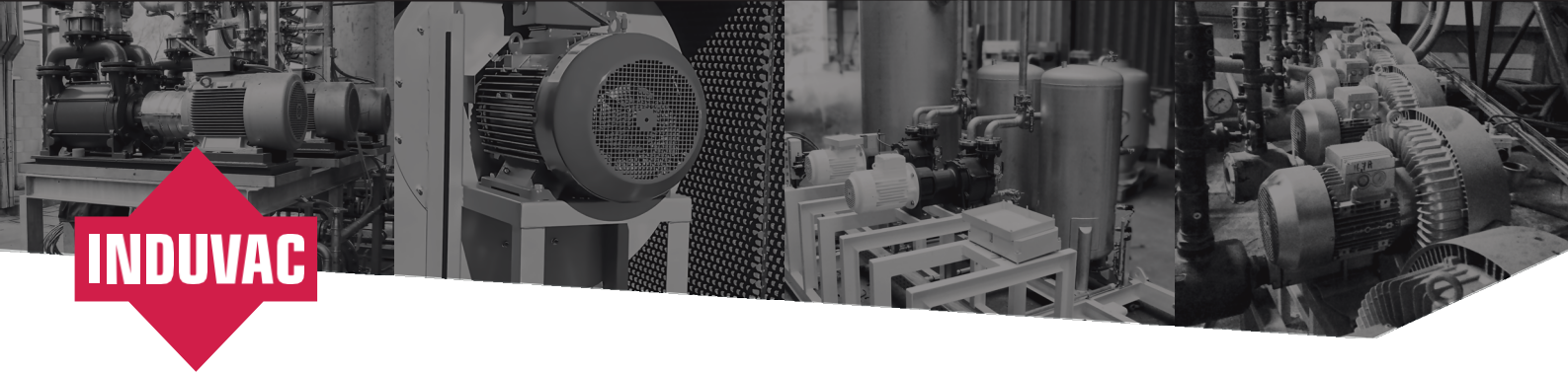
Technical data

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 355-830	83A	50	6,30	380-420 Δ	660-725 Y	11,80 Δ	6,80 Y	700	-250	230	78	2,5	75
	83B	60	7,30	440-480 Δ	Y	12,00 Δ	Y	840	-220	280	80	2,5	75
		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 375-830	83C	50	8,60	380-420 Δ	660-725 Y	15,50 Δ	8,90 Y	700	-290	340	79	2,5	80
	83D	60	9,90	440-480 Δ	Y	15,30 Δ	Y	840	-340	310	81	2,5	80
		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

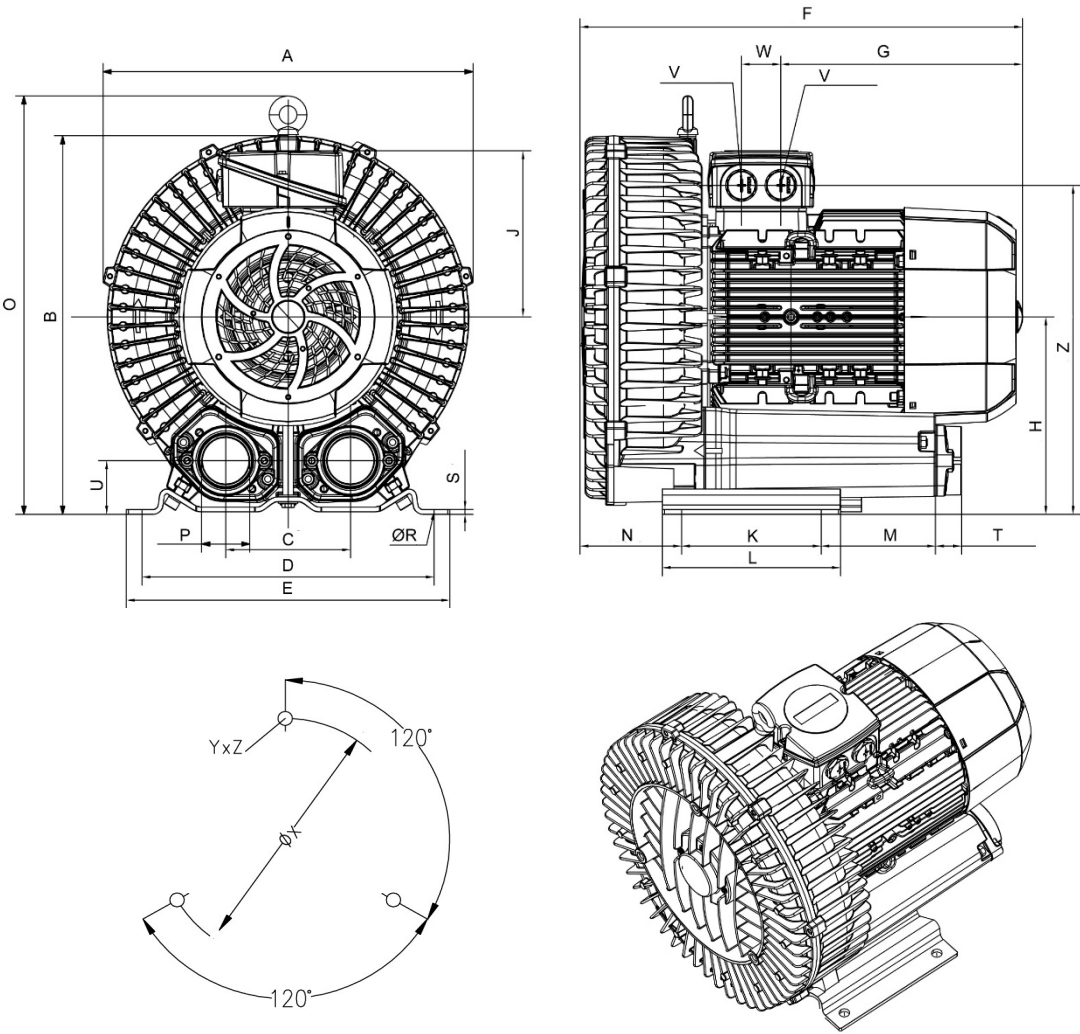


Curves are valid for dry air, with a temperature of 15°C at the inlet and a pressure of 1013 m bar(a) at the inlet or outlet connection (for over- or under-pressure application respectively). The tolerance on capacity is +/- 10%. No rights can be derived from the sketches, dimensions and contents of 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
83A / 83B	VC 355-830	451	461	152	356	394	554	295	240	202	170	217	140	139
83C / 83D	VC 375-830	451	461	152	356	394	554	295	240	202	170	217	140	139
Curve No.	Type	O	P	ØR	S	T	U	V'	W	YxZ	X-holes	ØX	Z	
83A / 83B	VC 355-830	509	G 2 1/2"	15	6	32	65	M32 X 1.5	50	M12x20	0°/120°/240°	Ø286	400	
83C / 83D	VC 375-830	509	G 2 1/2"	15	6	32	65	M32 X 1.5	50	M12x20	0°/120°/240°	Ø286	400	