

# EUROBLOWER

Reliable, quick and  
easy to order



## Sidechannel blower singelstage EB1 7122, EB3 7122, EB3 7130 & EB3 7140



The standard Euroblower 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 Euroblower side channel blower are the very reliable operation and low maintenance. Euroblower 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. The blowers are already available with differential pressures up to 700 mbar.

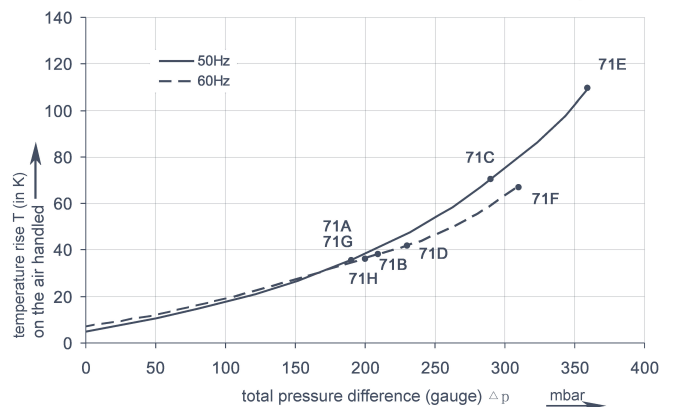
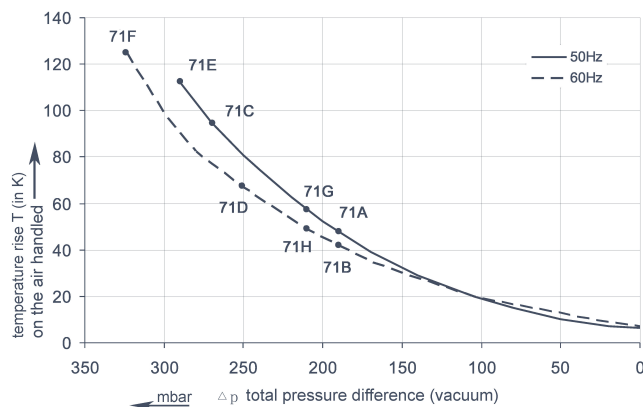
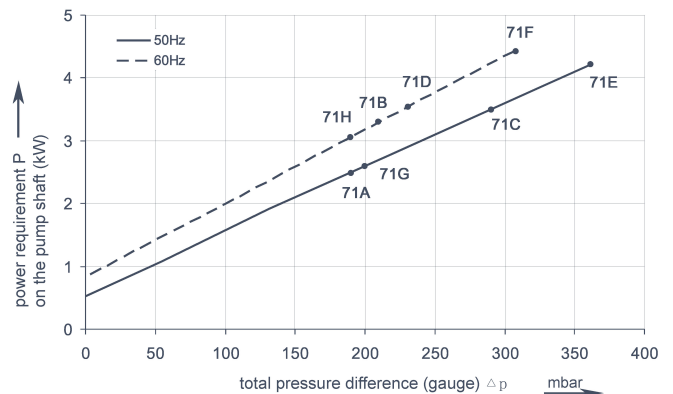
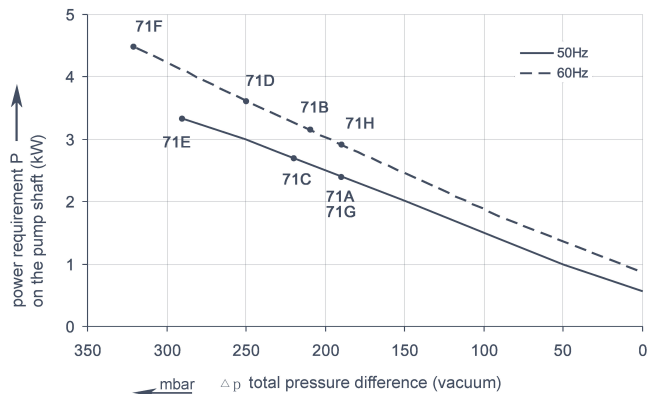
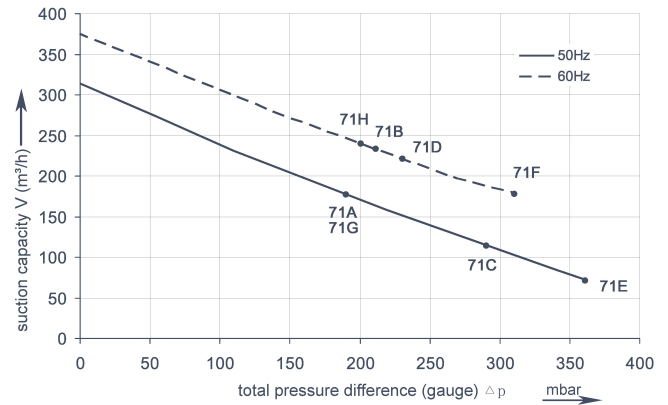
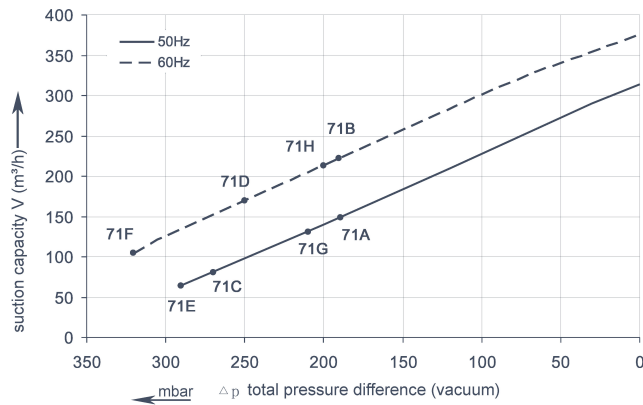
### FEATURES

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

### AVAILABLE ACCESSORIES

- » Air filters
- » Pressure / vacuum relief valves
- » Silencers
- » Non return valves
- » Air knives
- » Fittings

## PERFORMANCE CURVES



The performance curves are based on air at a temperature of 15 °C and an atmospheric pressure of 1013 mbar with a tolerance of +/- 10 %. The total pressure differences are valid for suction and ambient temperatures up to 25 °C. For other conditions please confer with us.

Each type can be applied both as vacuum pump and compressor in continuous operation over the total stated performance curve range. The motors are available as standard for the input voltage range of 50 and 60 Hz.

## SELECTION AND ORDERING DATA

### TYPE EB1 7122, EB3 7122, EB3 7130 & EB3 7140

Curve No.	Order No.	Fre- quency	Rated power	Input voltage		Input current		Permissible total differential pressure <sup>2)</sup>		Sound pressure level <sup>3)</sup>	Weight ca.
		Hz	kW	V		A		Vacuum mbar	Compressor mbar	dB(A)	kg
71A	EB3 7122	50	2.2	200D...240D	345Y...415Y	9.7D	5.6Y	-190	190	69	30
71B	EB3 7122	60	2.55	220D...275D	380Y...480Y	10.3D	6.0Y	-190	190	72	30
71C	EB3 7130	50	3.0	200D...240D	345Y...415Y	12.5D	7.2Y	-260	270	69	36
71D	EB3 7130	60	3.45	220D...275D	380Y...480Y	12.6D	7.3Y	-240	230	72	36
71E	EB3 7140	50	4.0	345D...415D	600Y...720Y	9.0D	5.2Y	-290	360	69	40
71F	EB3 7140	60	4.6	380D...480D	660Y...720Y	9.0D	5.2Y	-320	310	72	40
71G	EB1 7122	50	2.2	230		12.8		-190	190	72	30
71H	EB1 7122	60	2.55	230		12.8		-190	200	74	30



All EB3 and EB1 sidechannel blowers achieve the standards and norms of the low voltage directive (LVD)2006/95/EC, rotating electrotechnical motor EN 60034-1-2004, electromagnetic compatibility(EMC)EN55014-1/2,EN61000-2/-3/-4/-6.

1) Relief-valve are available for limiting differential pressure.  
2) Measuring-surface sound-pressure level acc. to DIN EN 21680, measured at a distance of 1 m. The pump is throttled to an average suction pressure, a hose is connected to the discharge side (compressor) / suction side (vacuum pump), but is not fitted with relief valves.

The motors are designed according to the DIN EN 60 034 / DIN IEC 34-1 and temperature class F.

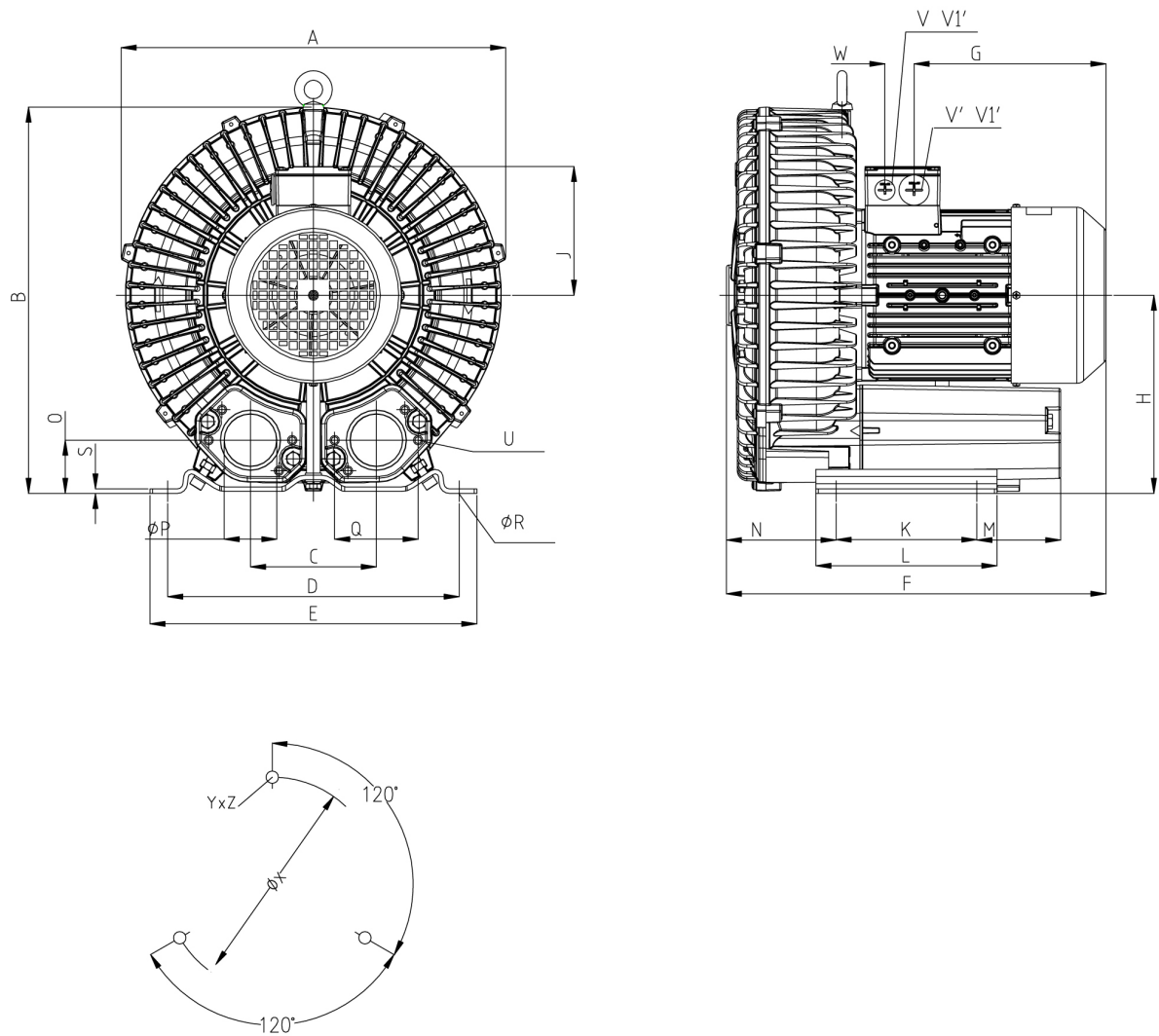
For the three phase machines the tolerances are +/- 10 % for fixed voltage and +/- 5 % for voltage range.

The single phase machines are designed with a +/- 5 % tolerances. If only 90 % of the maxium allowed pressure will be used for the continuousoperating then the allowed voltage range add to +/- 10 %.

The frequency tolerance is maximum +/- 2 %.

# EUROBLOWER

## DIMENSIONS IN MM



Curve No.	Type	A	B	C	D	E	F	G	H	J	K	L	M	N
71A / 71B	EB3 7122	382	384	125	290	325	377	191	197	128	84	180	84	109
71C / 71D	EB3 7130	382	384	125	290	325	409	188	197	135	84	180	84	109
71E / 71F	EB3 7140	382	384	125	290	325	432	209	197	148	84	180	84	109
71G / 71H	EB1 7122	382	384	125	290	325	377	191	197	128	84	180	84	109
Curve No.	Type	O	P	Q	$\phi R$	S	U	V	V'	V1	V1'	YxZ	X-holes	$\phi X$
71A / 71B	EB3 7122	54	G2"	83	15	4.5	M8 X 17	M25 X 1.5	M16 X 1.5			M10 x20	0°/120°/240°	$\phi 240$
71C / 71D	EB3 7130	54	G2"	83	15	4.5	M8 X 17	M32 X 1.5	M32 X 1.5	M32 X 1.5	M32 X 1.5	M10 x20	0°/120°/240°	$\phi 240$
71E / 71F	EB3 7140	54	G2"	83	15	4.5	M8 X 17	M32 X 1.5	M32 X 1.5	M32 X 1.5	M32 X 1.5	M10 x20	0°/120°/240°	$\phi 240$
71G / 71H	EB1 7122	54	G2"	83	15	4.5	M8 X 17	M25 X 1.5	M16 X 1.5			M10 x20	0°/120°/240°	$\phi 240$