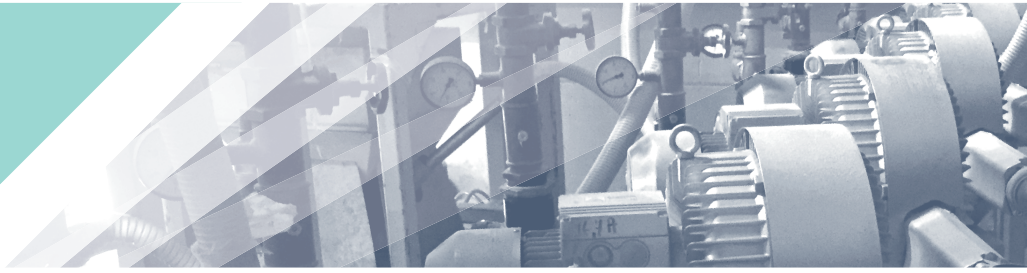


# EUROBLOWER

Reliable, quick and  
easy to order



## Sidechannel blower singelstage TYPE EB3 8140, EB3 8155 & EB3 8175



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

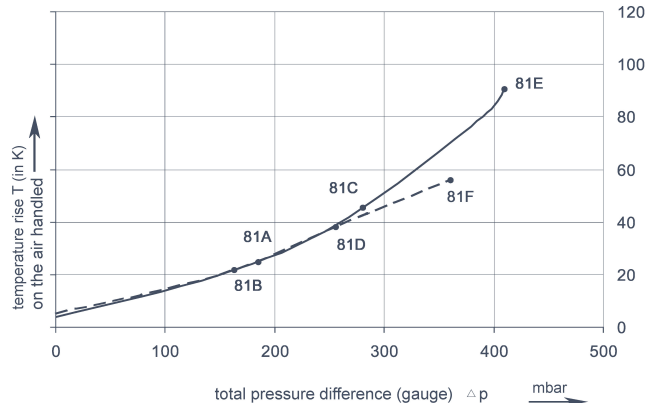
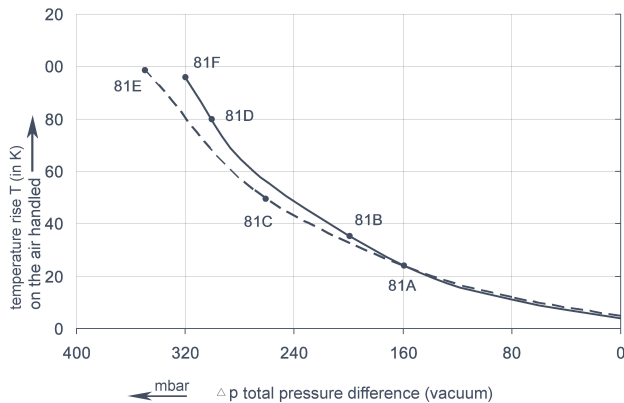
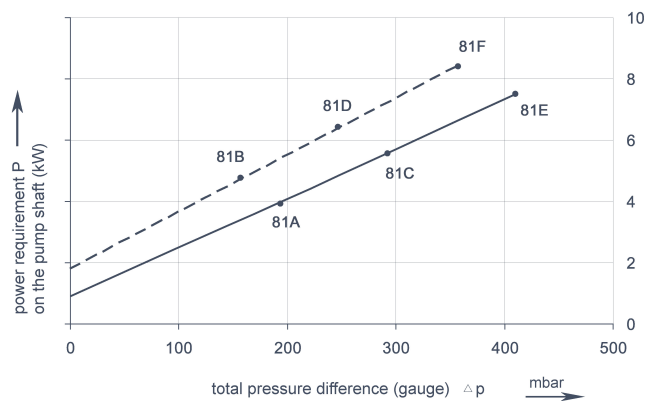
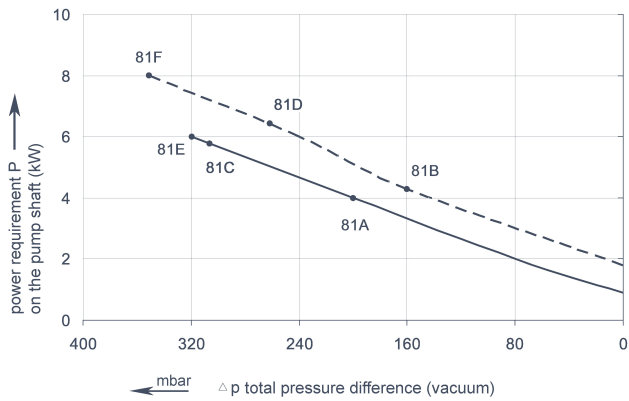
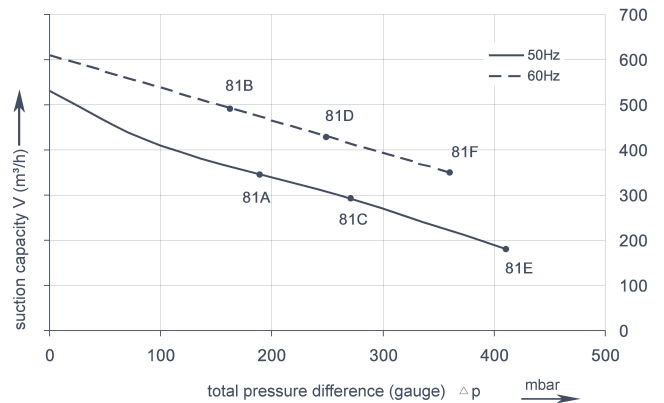
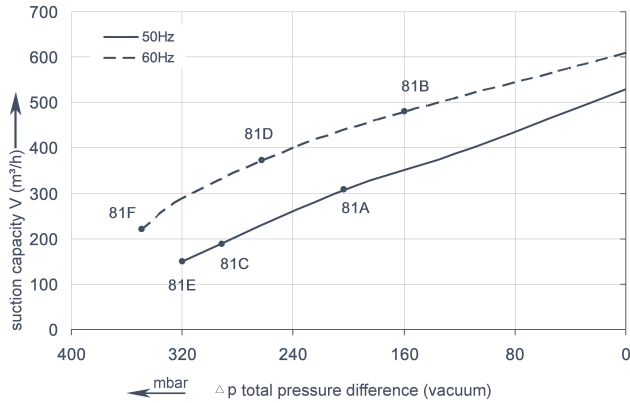
- » Available from stock
- » Almost free of maintenance
- » Low power consumption
- » Oil free compression, no oil pollution in medium
- » Made of aluminum, very high corrosion resistance

### AVAILABLE ACCESSORIES

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

# EUROBLOWER

## EVT TITEL BOVEN DE GRAFIEKEN?



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.

# EUROBLOWER

## SELECTION AND ORDERING DATA

### TYPE EB3 81..

Curve No.	Order No.	Fre- quency  Hz	Rated power  kW	Input voltage		Input current		Permissible total differential pressure <sup>2)</sup>		Sound pressure level <sup>3)</sup>  dB(A)	Weight ca.  kg
				V		A		Vacuum mbar	Compressor mbar		
81A	EB3 8140	50	4.0	350D...450D	610Y...725Y	8.4D	4.8Y	-200	190	70	54
81B	EB3 8140	60	4.6	400D...500D	690Y...725Y	8.2D	4.7Y	-160	160	74	54
81C	EB3 8155	50	5.5	350D...450D	610Y...725Y	11.1D	6.4Y	-300	280	70	63
81D	EB3 8155	60	6.3	400D...500D	690Y...725Y	11.0D	6.4Y	-260	250	74	63
81E	EB3 8175	50	7.5	350D...450D	600Y...720Y	15.1D	8.7Y	-320	410	70	67
81F	EB3 8175	60	8.6	400D...500D	660Y...720Y	15.3D	8.9Y	-350	360	74	67



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.

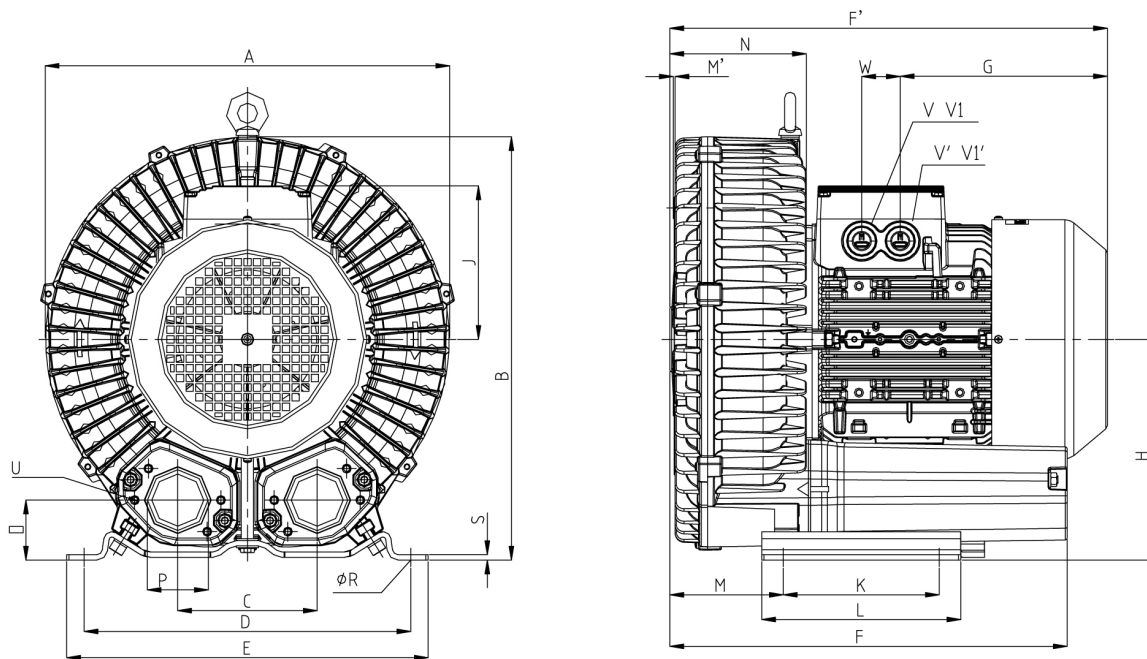
For the three phase machines the tolerances are +/- 10 % for fixed voltage and +/- 5 % for voltage range.

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

The frequency tolerance is maximum +/- 2 %.

# EUROBLOWER

## DIMENSIONS IN MM



Curve No.	Type	A	B	B'	C	D	E	F	F'	G	H	J	K
81A / 81B	EB3 8140	451	461	509	152	356	394	433	450	230	240	148	170
81C / 81D	EB3 8155	451	461	509	152	356	394	433	477	226	240	167	170
81E / 81F	EB3 8175	451	461	509	152	356	394	433	477	226	240	167	170
Curve No.	Type	L	M	N	O	Ø P	Ø R	S	V	W	Ø X	YxZ	X-holes
81A / 81B	EB3 8140	217	140	124	65	G 2 ½"	15	6	4 x M32 x 1,5	42	286	M12 x 20	0°/120°/240°
81C / 81D	EB3 8155	217	140	124	65	G 2 ½"	15	6	4 x M32 x 1,5	42	286	M12 x 20	0°/120°/240°
81E / 81F	EB3 8175	217	140	124	65	G 2 ½"	15	6	4 x M32 x 1,5	42	286	M12 x 20	0°/120°/240°