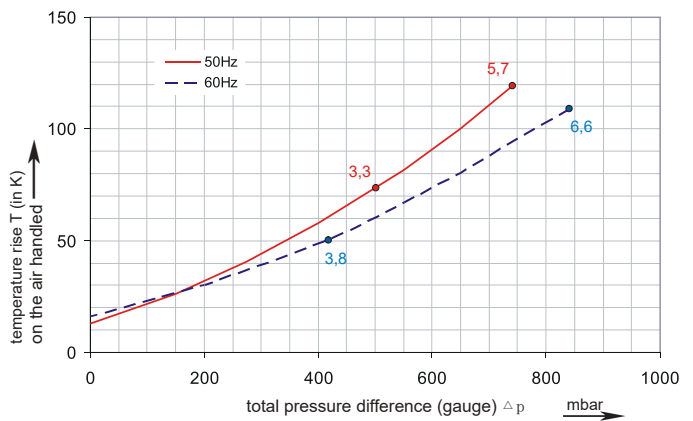
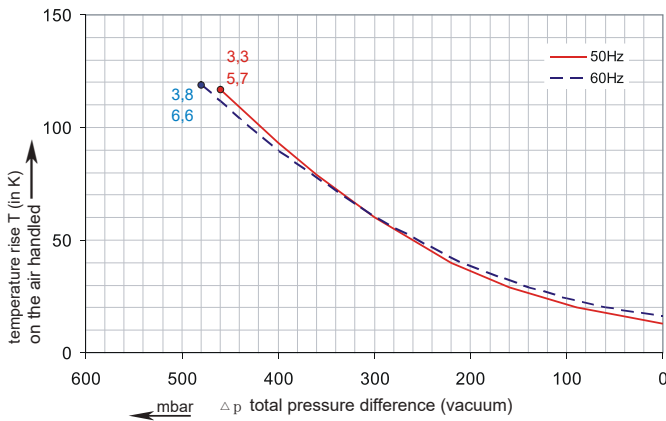
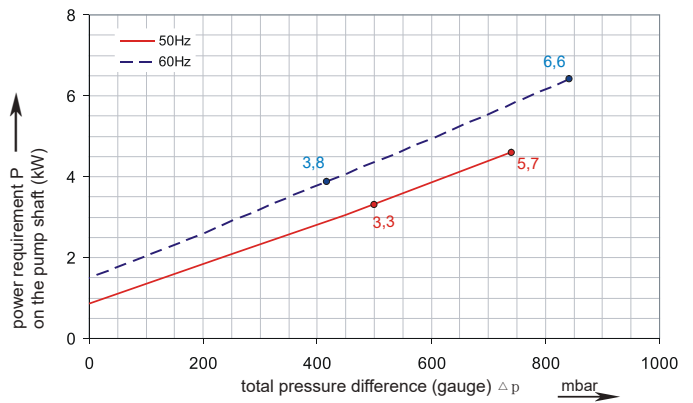
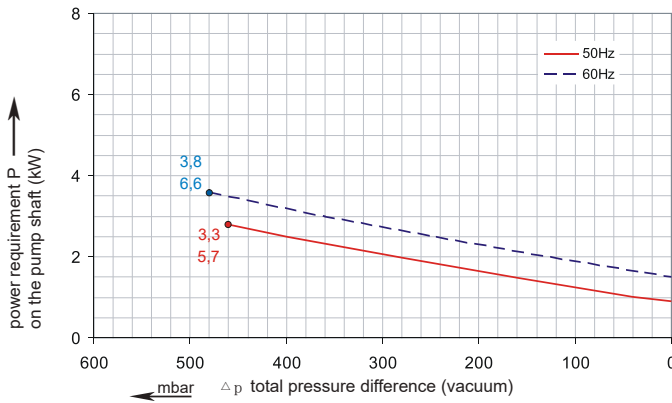
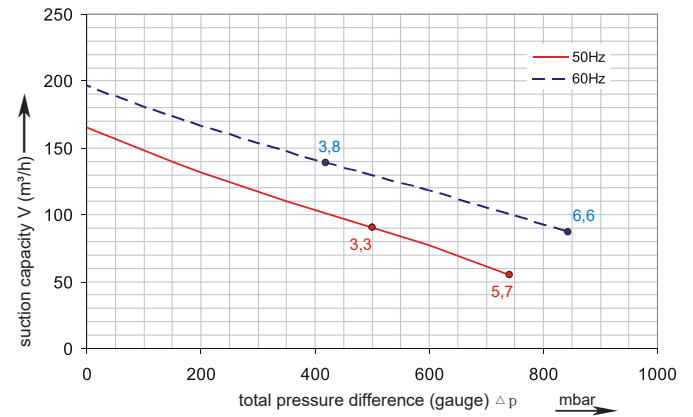
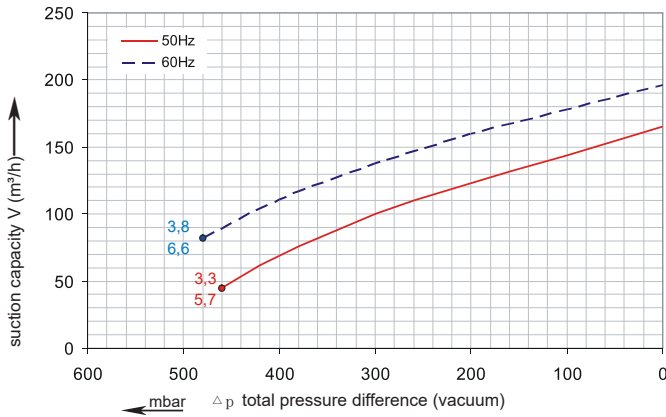


Performance Curve for Vacuum

Performance Curve for Pressure



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 contact us.

Each Proair B-TD series blower 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 and for protection category IP 55 as well as approved for UL and CSA.

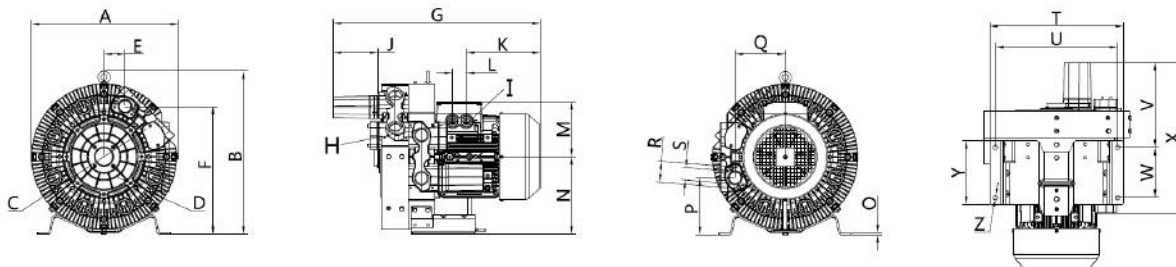
Selection and ordering data

B6TD

Order No.	Fre- quency	Rated power	Input voltage		Input current		Permissible total differential pressure ²⁾		Sound pressure level ³⁾	Weight ca.
							Vacuum mbar	Compressor mbar		
	Hz	kW	V		A					

3~ 50/60 Hz IP55 insulation material class F 1)

B6TD-236	50	3.3	200D ... 240D	345Y...415Y	13.0 D	7.5 Y	-460	500	67	48
	60	3.8	220D ... 275D	380Y...480Y	14.2 D	8.2 Y	-480	420	71	48
B6TD-257	50	5.7	345D ... 415D		12.5 D		-460	820	68	65
	60	6.6	380D ... 480D		12.0 D		-480	810	72	65



	Ph	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
B6TD-236	3~	442	495	228	M6X15	63	389	578	M32X1.5	M32X1.5	140	226	42	167	236	5	173	153	64	G1 1/4	406	152	259	152	458	14
B6TD-257	3~	442	495	228	M6X15	63	389	643	M32X1.5	M32X1.5	140	226	42	167	236	5	173	153	64	G1 1/4	406	152	259	152	458	14



Other voltage ranges		
B-6TD <input type="checkbox"/> <input type="checkbox"/>		
50Hz	60Hz	↑ ↑
3~		
185...225 V D/320...390 V Y	200...240 V D/345...415 V Y	H 1
200...240 V D/345...415 V Y	200...275 V D/380...480 V Y	H 6
345...415 V D	380...480 V D	H 1
500 V D	575VD	C 5
Machines according to the ATEX norm 94/4 EG are available for the whole performance range. Following types available: Category 3 G, 3/2 G, 3 D and 3/2 D.		
1~		
100 / 200 V	100 / 200 V	V 4
115 / 230 V	115 / 230 V	V 5
230V	230V	A 1

Further voltage range on request; please quote in plain text.

All Proair B-TD 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) For standard UL for ELECTRIC MOTOR UL 1004-1.
- 2) Relief-valve are available for limiting differential pressure.
- 3) 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 %.

For all single and three phase machines which designed according to the UL and CSA norm (UL 1004-1) the maximum allowed voltage tolerances are - 10 % resp. + 6 %.

The frequency tolerance is maximum +/- 2 %.

Changes in particular the quoted performance curve, datas and weights without prior notice. The figures are without obligations.

PROAIR SIDE CHANNEL BLOWER

PROAIR