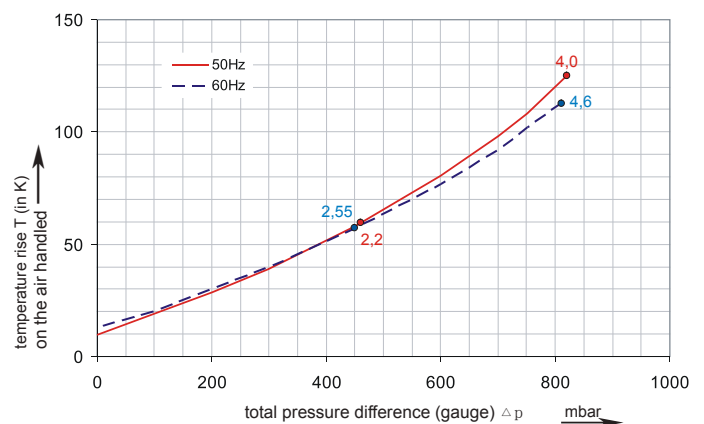
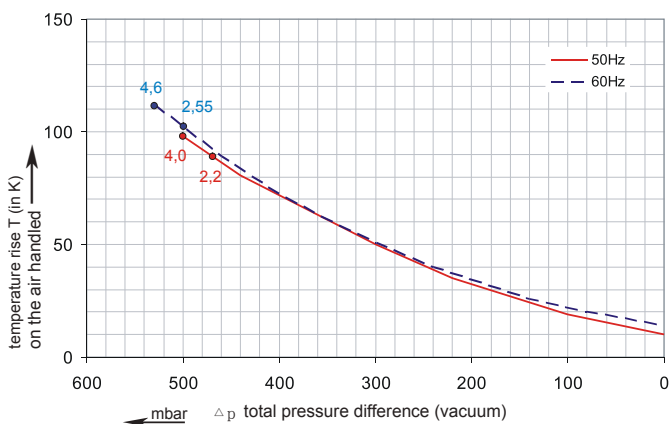
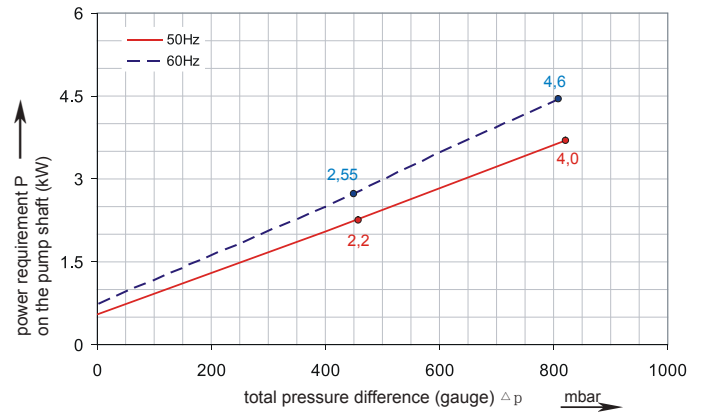
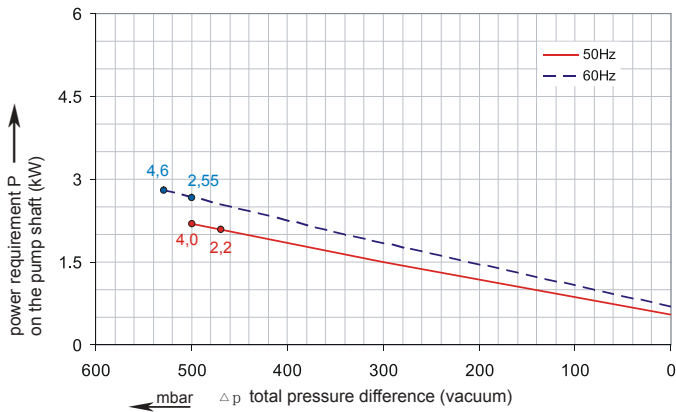
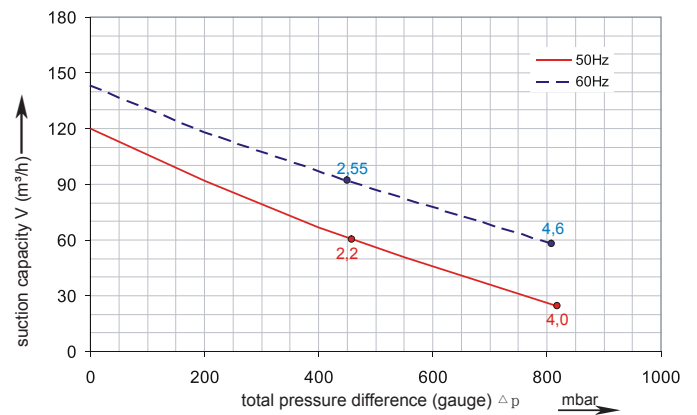
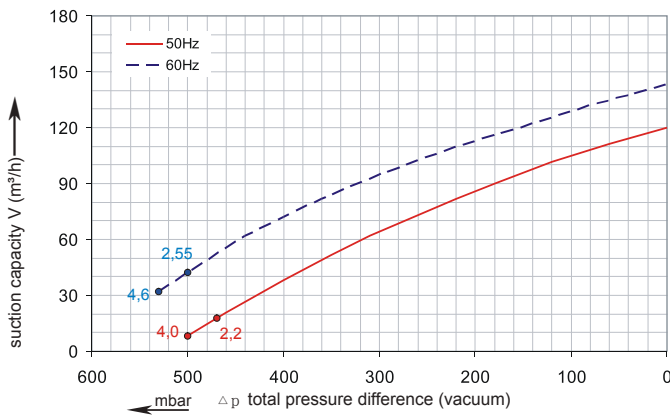


Performance Curve for Vacuum

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.

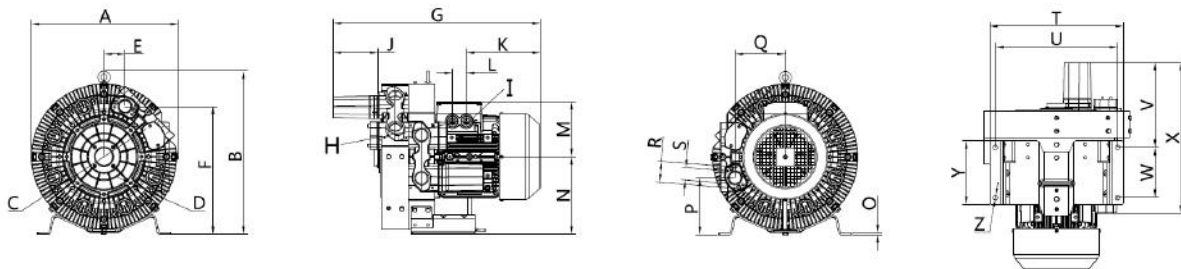
Selection and ordering data

B5TD

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 isulation material class F 1)

B5TD-226	50	2.2	200D ... 240D	345Y...415Y	11.4D	6.6Y	-470	460	64	40
	60	2.55	220D ... 275D	380Y...480Y	11.2D	6.5Y	-500	450	70	40
B5TD-277	50	4.0	345D ... 415D		9.0D		-500	820	65	51
	60	4.6	380D ... 480D		9.5D		-530	810	71	51



	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
B5TD-226	3~	387	435	192	M8X15	57	343	549	M16X1.5	M32X1.5	140	191	42	108	206	5	148	137	64	G1 ^{1/4}	363	152	256	152	453	14
B5TD-277	3~	387	435	192	M8X15	57	343	603	M32X1.5	M32X1.5	140	224	42	148	206	5	148	137	64	G1 ^{1/4}	363	152	256	152	453	14



Other voltage ranges		
B-5TD <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	2 1
200...240 V D/345...415 V Y	200...275 V D/380...480 V Y	2 6
345...415 V D	380...480 V D	H 7
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	5 4
115 / 230 V	115 / 230 V	5 5
230V	---	5 1

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

All Proair B5TD 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.