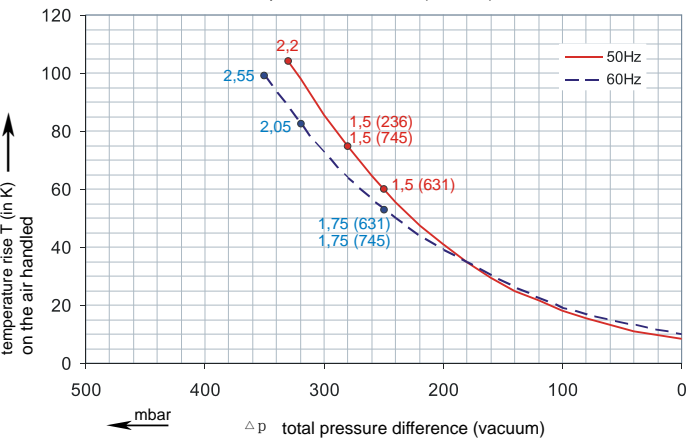
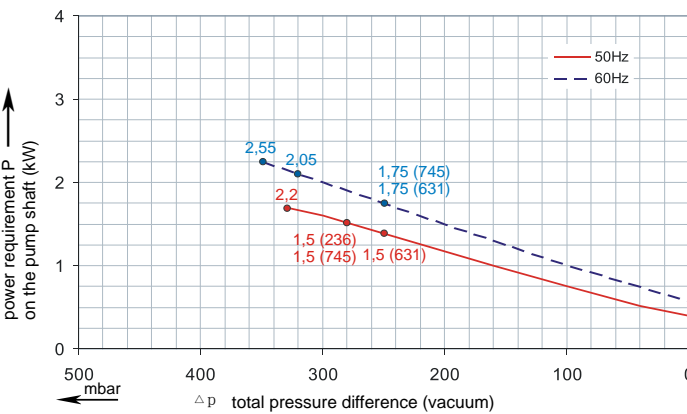
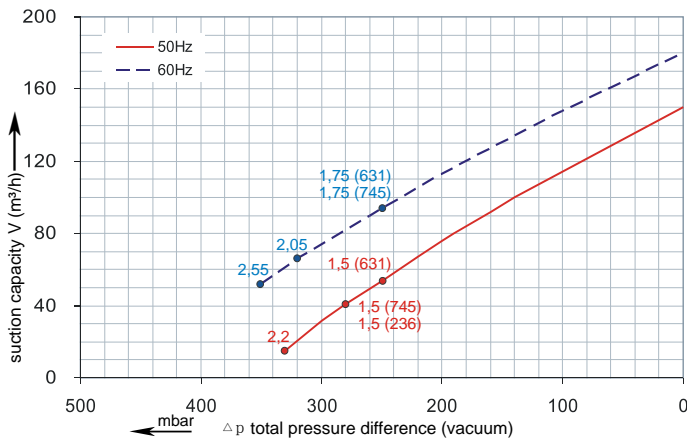
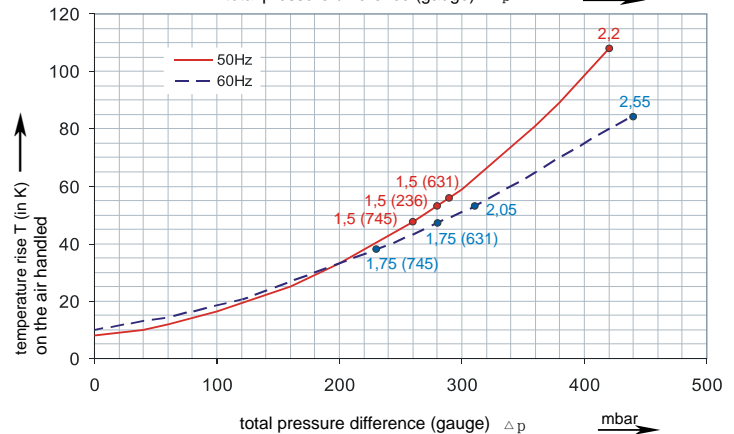
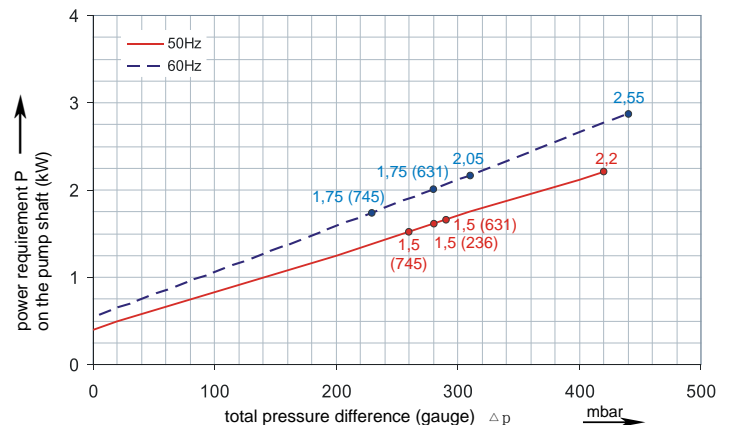
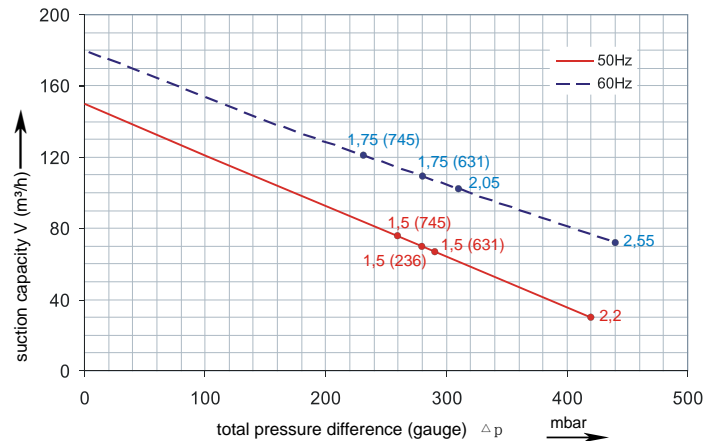


## Performance Curve for Vacuum



## 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 confer with us.

Each Proair Blower 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

### A-4TD

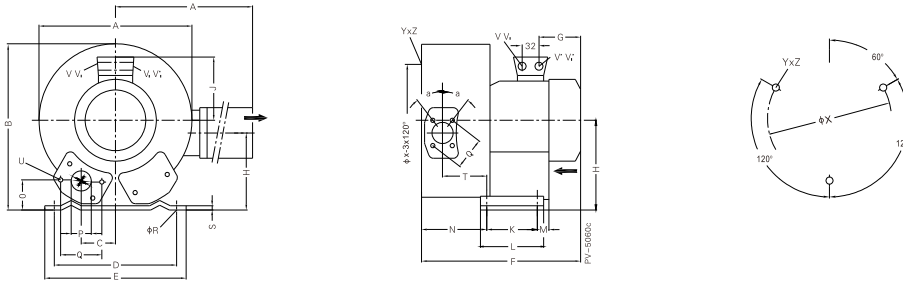
Order No.	Fre- quency	Rated power	Input voltage		Input current		Permissible total differential pressure <sup>2)</sup>		Sound pressure level <sup>3)</sup>	Weight ca.
							Vacuum mbar	Compressor mbar		
	Hz	kW	V		A				dB(A)	kg

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

A4TD-236	50	1.6	200D ... 240D		345Y...415Y		7.5D	4.3Y	-280	280	66	25
	60	2.05	220D ... 275D		380Y...480Y		7.6D	4.4Y	-320	310	69	25
A4TD-246	50	2.2	200D ... 240D		345Y...415Y		9.7D	5.6Y	-330	420	66	27
	60	2.55	220D ... 275D		380Y...480Y		10.0D	5.8Y	-350	440	69	27

#### 1~ 50/60 Hz IP55 with attached condenser for continuous operation

A4TD-631	50	1.5	230				9.1		-250	290	66	26
	60	1.75	230				10		-250	280	69	26
A4TD-745	50	1.5	115	230			22	11	-280	260	66	27
	60	1.75	115	230			24	12	-250	230	69	27



	A	A'	B	C	D	E	F	G	H	H'	J	K	L	M	N	O	P	Q	ΦR	S	T	U	V <sub>(1~)</sub>	V <sub>(1~)</sub>	V <sub>(3~)</sub>	V <sub>(3~)</sub>	α	ΦX	YxZ	X-Holes	
A4TD-236	3~	322	324	315	58	225	255	401	191	154	153	128	95	130	73	151	45	G <sub>1/2</sub> (15tief•deep)	72	12	3	104	M6X19	-	-	M25X1.5	M16X1.5	28°	174	M6X15	0°/120°/240°
A4TD-246	3~	322	324	315	58	225	255	401	191	154	153	128	95	130	73	151	45	G <sub>1/2</sub> (15tief•deep)	72	12	3	104	M6X19	-	-	M25X1.5	M16X1.5	28°	174	M6X15	0°/120°/240°
A4TD-631	1~	322	324	315	58	225	255	401	191	154	153	128	95	130	73	151	45	G <sub>1/2</sub> (15tief•deep)	72	12	3	104	M6X19	M16X1.5	M25X1.5	-	-	28°	174	M6X15	0°/120°/240°
A4TD-745	1~	322	324	315	58	225	255	401	191	154	153	128	95	130	73	151	45	G <sub>1/2</sub> (15tief•deep)	72	12	3	104	M6X19	M16X1.5	M25X1.5	-	-	28°	174	M6X15	0°/120°/240°



#### Other voltage ranges

A-4TD □ □

50Hz	60Hz	
		↑ ↑
<b>3~</b>		
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	2 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.

<b>1~</b>		
100 / 200 V	100 / 200 V	7 4
115 / 230 V	115 / 230 V	7 5
230V	--	6 1

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

Proair 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 %.