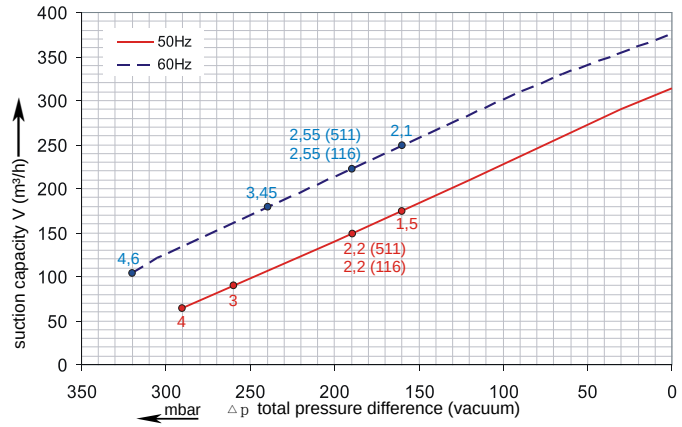
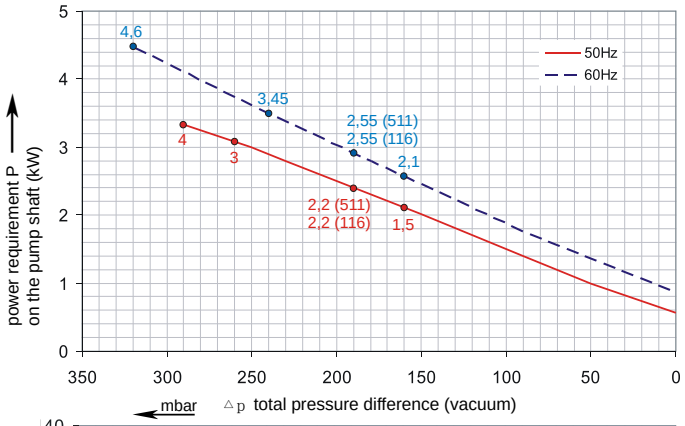
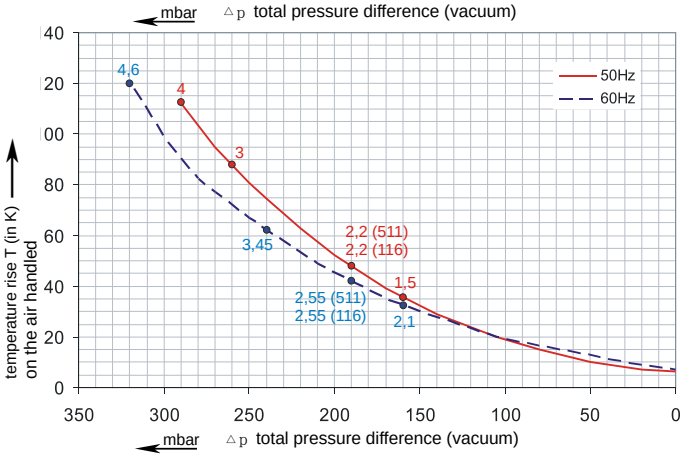
PROAIR

SIDE CHANNEL BLOWER
A-7MS

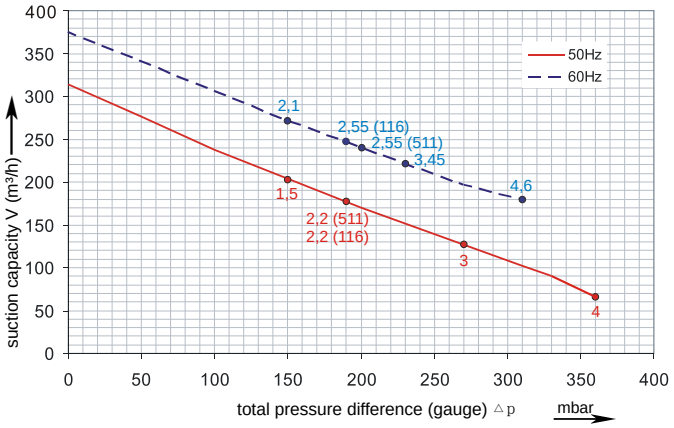
Performance Curve for Vacuum

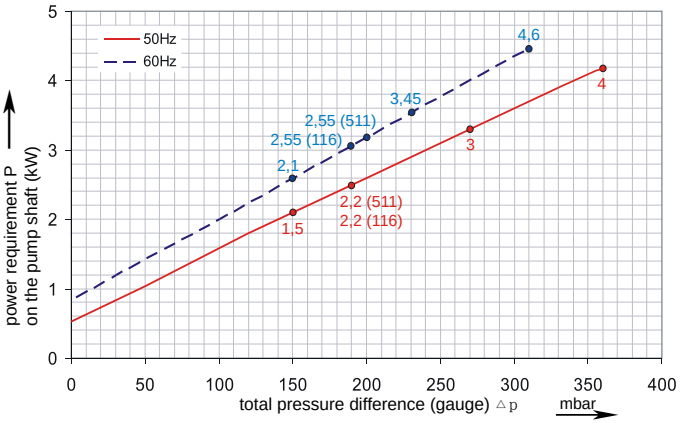


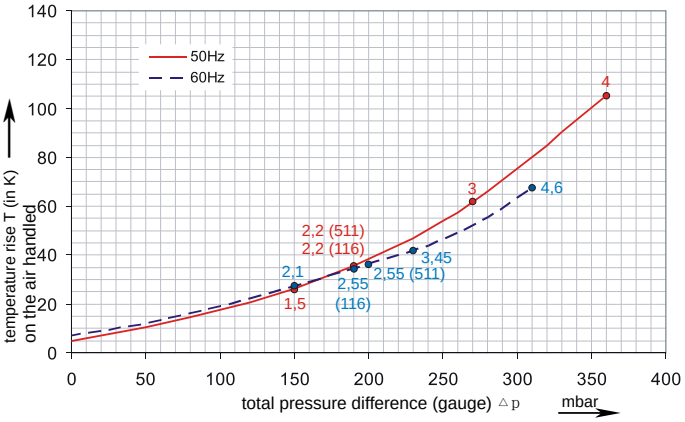




Performance Curve for Pressure







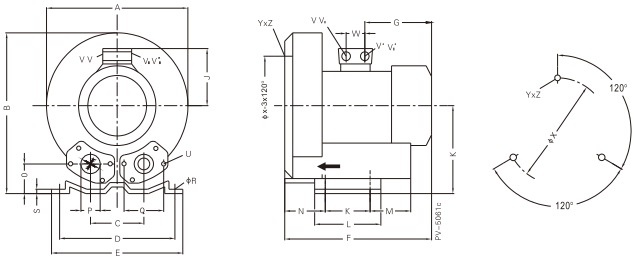
The performance curves are based on air at a temperature of 15 °C and an atmospheric pressure of 1013 mbar with a tolerance of +/- 10 %.
The total pressure differences are valid for suction and ambient temperatures up to 25 °C.
For other conditions please confer with us.

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 approbated for UL and CSA.

Selection and ordering data

A-7MS

Order No.	Fre-quency	Rated power	Input voltage		Input current		Permissible total differential pressure ²)		Sound pressure level ³)	Weight ca.
							Vacuum	Compressor		
	Hz	kW	V		A		mbar	mbar	dB(A)	kg
3~ 50/60 Hz IP55 isulation material class F 1)										
A7MS-106	50 60	1.6 2.1	200D ... 240D 220D ... 275D	345Y...415Y 380Y...480Y	8.5D 8.8D	4.9Y 5.1Y	-160 -160	150 150	69 72	27 27
A7MS-116	50 60	2.2 2.55	200D ... 240D 220D ... 275D	345Y...415Y 380Y...480Y	9.7D 10.3D	5.6Y 6.0Y	-190 -190	190 190	70 73	30 30
A7MS-126	50 60	3.0 3.45	200D ... 240D 220D ... 275D	345Y...415Y 380Y...480Y	12.5D 12.6D	7.2Y 7.3Y	-260 -240	270 230	70 73	36 36
A7MS-137	50 60	4.0 4.6	345D ... 415D 380D ... 480D	600Y...720Y 660Y...720Y	9.0D 9.0D	5.2Y 5.2Y	-290 -320	360 310	69 72	40 40
1~ 50/60 Hz IP55 isulation material class F 1)										
A7MS-511	50 60	2.2 2.55	230D 230D		12.8D 12.8D		-190 -190	190 200	72 74	30 30



		A	B	C	D	E	F	G	H	J	K	L	M	N	O	ϕP	Q	ϕR	S	U	$V_{(1-)}$	$V'_{(1-)}$	$V_{(3-)}$	$V'_{(3-)}$	YxZ	X-Holes	ϕX	W
A7MS-511	1~	382	384	125	290	325	404	218	197	128	140	180	84	109	54	55	83	15	4.5	M8x17	M25X1.5	M16X1.5	-	-	M10X20	0°/120°/240°	240	29
A7MS-106	3~	382	384	125	290	325	377	191	197	128	140	180	84	109	54	55	83	15	4.5	M8x17	-	-	M25X1.5	M16X1.5	M10X20	0°/120°/240°	240	29
A7MS-116	3~	382	384	125	290	325	377	191	197	128	140	180	84	109	54	55	83	15	4.5	M8x17	-	-	-	-	M10X20	0°/120°/240°	240	29
A7MS-126	3~	360	366	122	284	325	409	188	197	135	140	180	84	109	54	55	83	15	4.5	M8x17	M32X1.5	M32X1.5	M32X1.5	M32X1.5	M10X20	0°/120°/240°	240	42
A7MS-137	3~	360	366	122	284	325	432	209	197	148	140	180	84	109	54	55	83	15	4.5	M8x17	M32X1.5	M32X1.5	M32X1.5	M32X1.5	M10X20	0°/120°/240°	240	42

Other voltage ranges		A-7MS □ □
50Hz	60Hz	↑ ↑
3~		
185...225 V D/320...390 V Y 200...240 V D/345...415 V Y 345...415 V D	200...240 V D/345...415 V Y 200...275 V D/380...480 V Y 380...480 V D	1 1 1 6 1 7
500 V D	575 V D	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~		
230V	230V	5 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 maxium allowed pressure will be used for the continuousoperating 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.