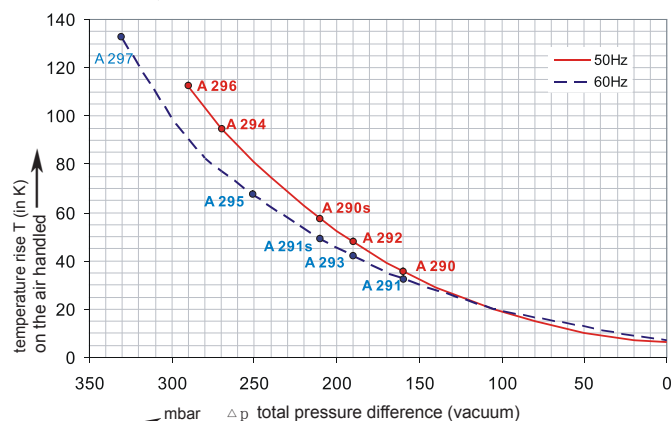
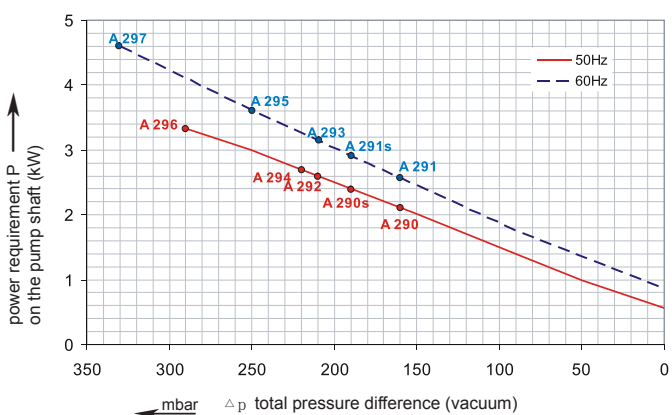
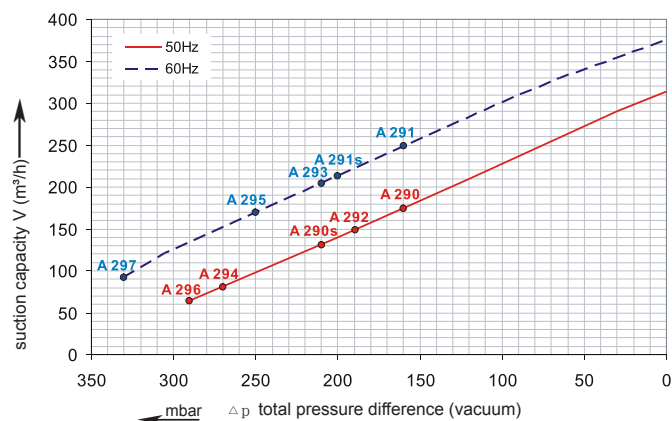




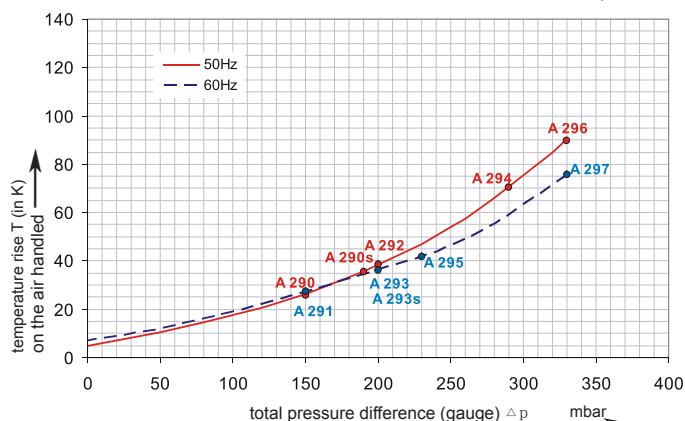
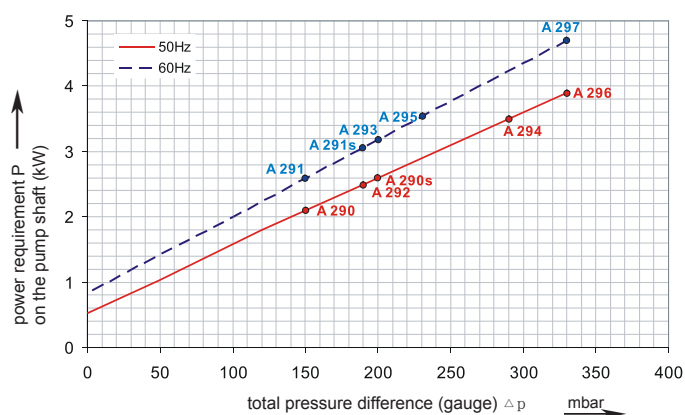
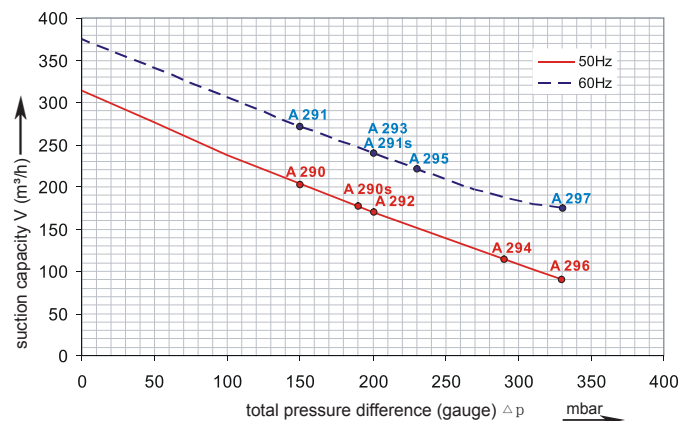
G-2RB

Performance curve for Vacuum pump



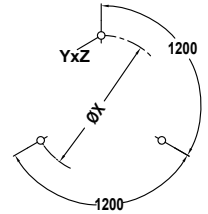
2RB 710

Performance curve for Compressor



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 G-2RB 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 approbated for UL and CSA.

A detailed 3D rendering of a large industrial motor. The motor features a prominent cooling fan with many blades, a mounting base, and a terminal box on the side. It is shown from a three-quarter perspective, highlighting its robust construction.

Selection and ordering data

Type 2RB710

Curve No.	Order No.	Frequency	Rated power	Input voltage	Input current	Permissible total differential pressure ²⁾		Sound pressure level ³⁾	Weight ca.
		Hz	kW	V	A	Vacuum mbar	Compressor mbar	dB(A)	kg

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

A 290	2RB710-7AH06	50	1.6	200D ... 240D	345Y...415Y	8.5D	4.9Y	-160	150	69	27
A 291	2RB710-7AH06	60	2.1	220D ... 275D	380Y...480Y	8.8D	5.1Y	-160	150	72	27
A 292	2RB710-7AH16	50	2.2	200D ... 240D	345Y...415Y	9.7D	5.6Y	-210	200	69	30
A 293	2RB710-7AH16	60	2.55	220D ... 275D	380Y...480Y	10.3D	6.0Y	-210	200	72	30
A 294	2RB710-7AH26	50	3.0	200D ... 240D	345Y...415Y	12.5D	7.2Y	-270	290	69	36
A 295	2RB710-7AH26	60	3.45	220D ... 275D	380Y...480Y	12.6D	7.3Y	-250	230	72	36
A 296	2RB710-7AH37	50	4.0	345D ... 415D	600Y...720Y	9.0D	5.2Y	-290	330	69	40
A 297	2RB710-7AH37	60	4.6	380D ... 480D	660Y...720Y	9.0D	5.2Y	-330	330	72	40

1~ 50/60 Hz IP55 isolation material class F 1)

A 290s	2RB710-7AA11	50	2.2	230D		12.8D		-190	190	72	30
A 291s	2RB710-7AA11	60	2.55	230D		12.8D		-190	200	74	30



Other voltage ranges

		☐ ☐
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 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	A 1

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

All G-2RB 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.

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