

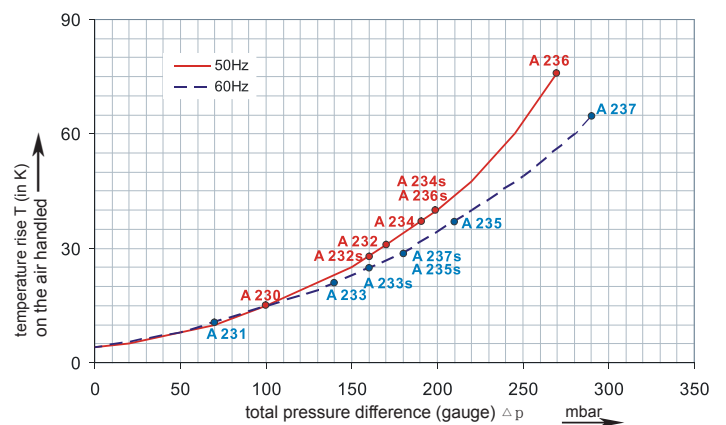
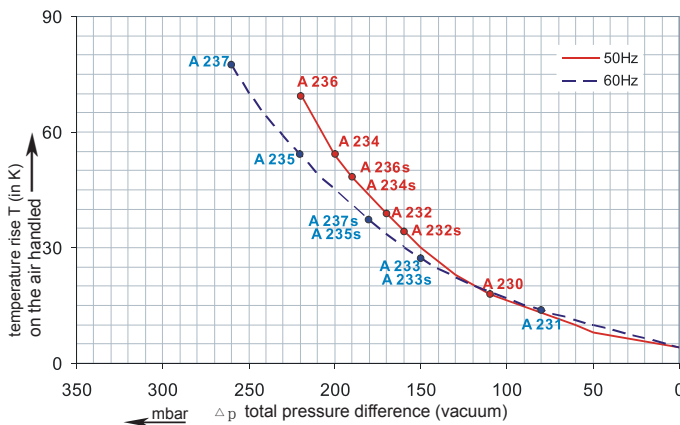
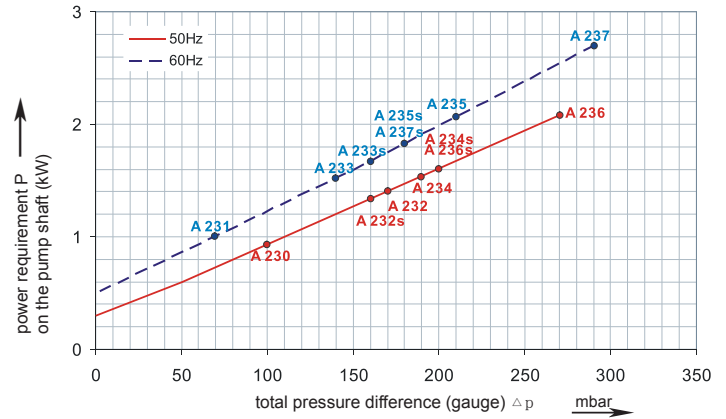
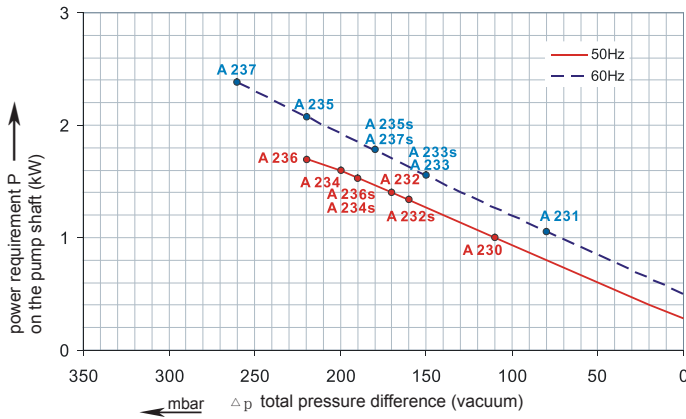
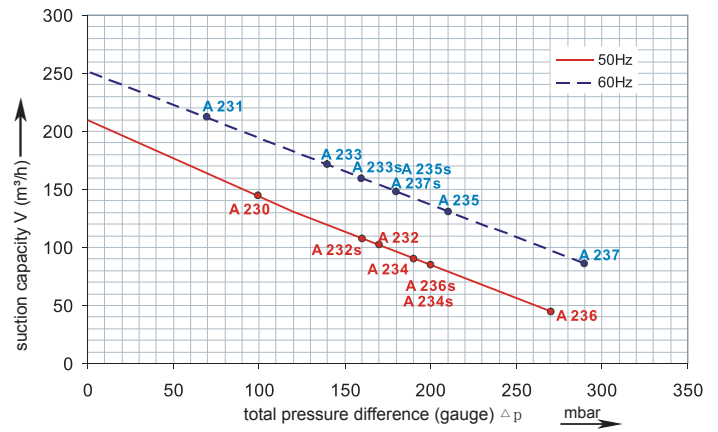
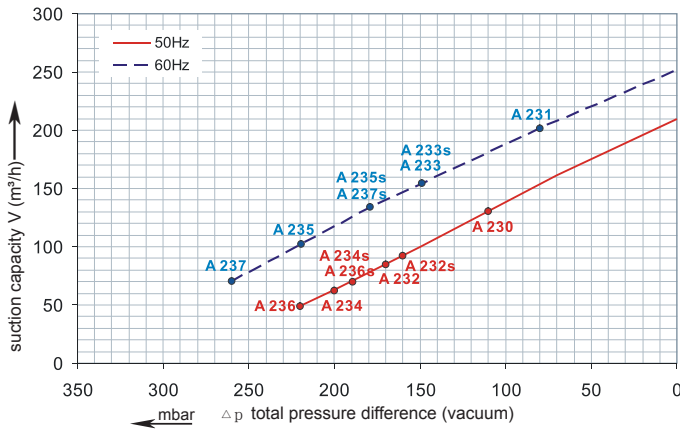


G-2RB

2RB 510

Performance curve for Vacuum pump

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 approved for UL and CSA.

Selection and ordering data

Type 2RB510

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

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

A 230	2RB510-7AH06	50	0.85	200D ... 240D	345Y...415Y	4.0D	2.3Y	-110	100	64	20
A 231	2RB510-7AH06	60	0.95	220D ... 275D	380Y...480Y	4.2D	2.4Y	-80	70	70	20
A 232	2RB510-7AH16	50	1.3	200D ... 240D	345Y...415Y	6.6D	3.8Y	-170	170	64	22
A 233	2RB510-7AH16	60	1.5	220D ... 275D	380Y...480Y	6.9D	4.0Y	-150	140	70	22
A 234	2RB510-7AH26	50	1.6	200D ... 240D	345Y...415Y	7.5D	4.3Y	-200	190	64	23
A 235	2RB510-7AH26	60	2.05	220D ... 275D	380Y...480Y	7.6D	4.4Y	-220	210	70	23
A 236	2RB510-7AH36	50	2.2	200D ... 240D	345Y...415Y	9.7D	5.6Y	-220	270	64	25
A 237	2RB510-7AH36	60	2.55	220D ... 275D	380Y...480Y	10.3D	6.0Y	-260	290	70	25

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

A 232s	2RB510-7AA11	50	1.1	230		7.3		-160	160	64	21
A 233s	2RB510-7AA11	60	1.3	230		8.3		-150	160	70	21
A 234s	2RB510-7AA21	50	1.5	230		9		-190	200	64	24
A 235s	2RB510-7AA21	60	1.75	230		10		-180	180	70	24
A 236s	2RB510-7AV35	50	1.5	115	230	22.0	11.0	-190	200	64	26
A 237s	2RB510-7AV35	60	1.75	115	230	24.0	12.0	-180	180	70	26



Other voltage ranges

2RB510-7A <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 7
500 V D	575V 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~		
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 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 %.

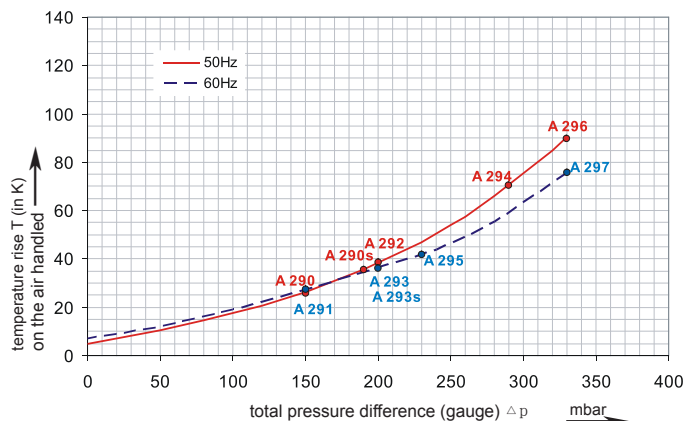
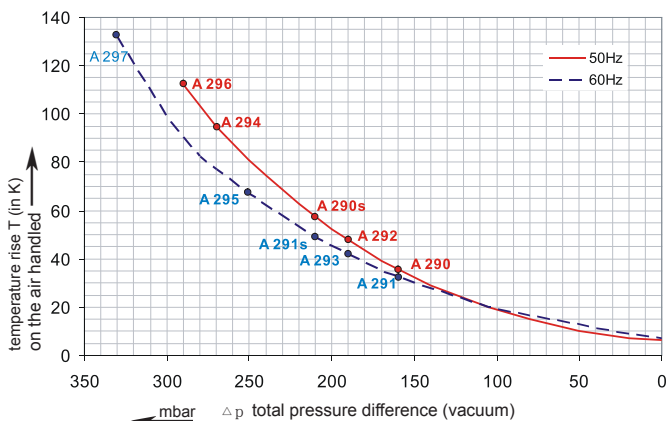
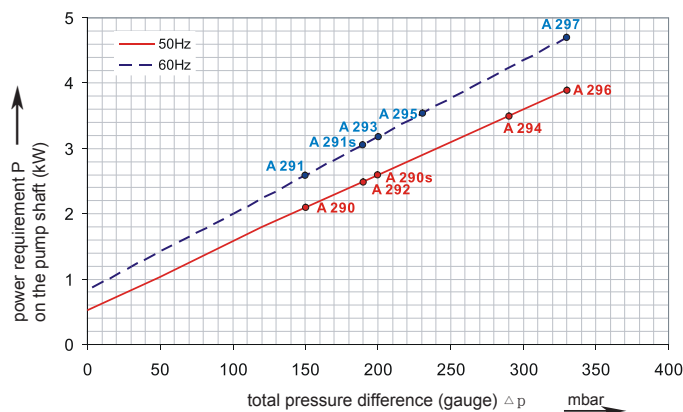
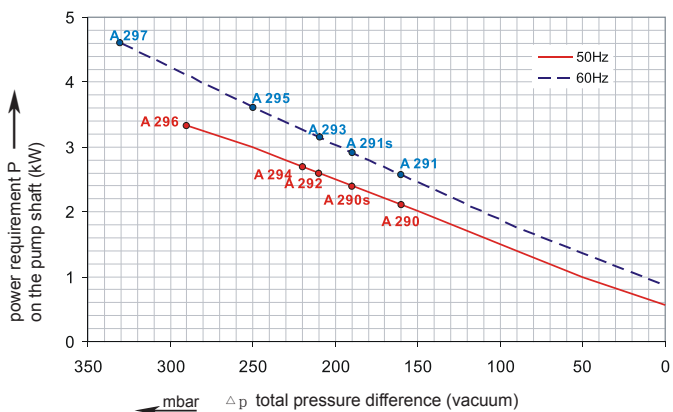
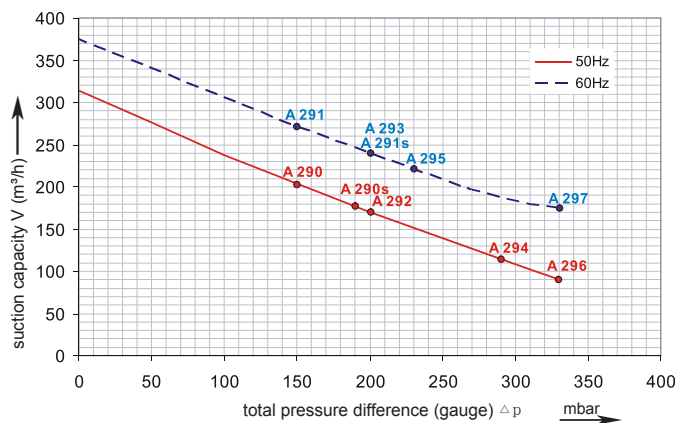
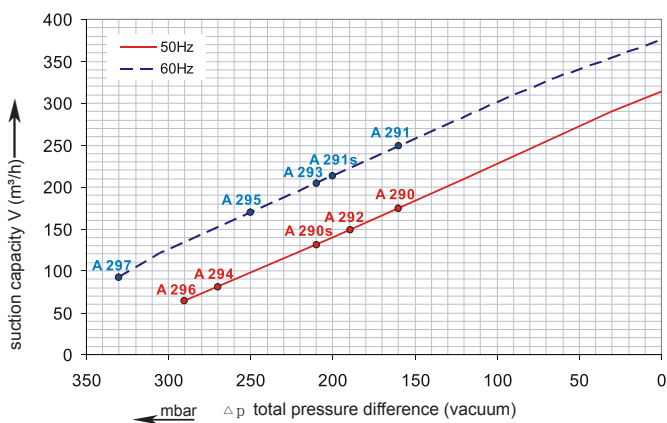


G-2RB

2RB 710

Performance curve for Vacuum pump

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 approved for UL and CSA.

Selection and ordering data

Type 2RB710

Curve No.	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 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		
2RB710-7A <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 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 %.

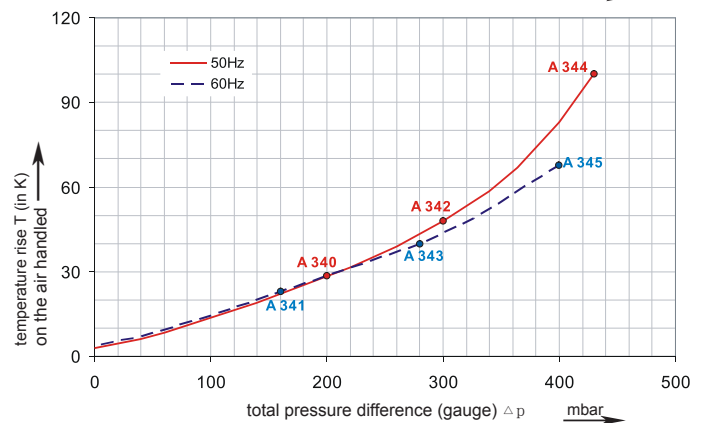
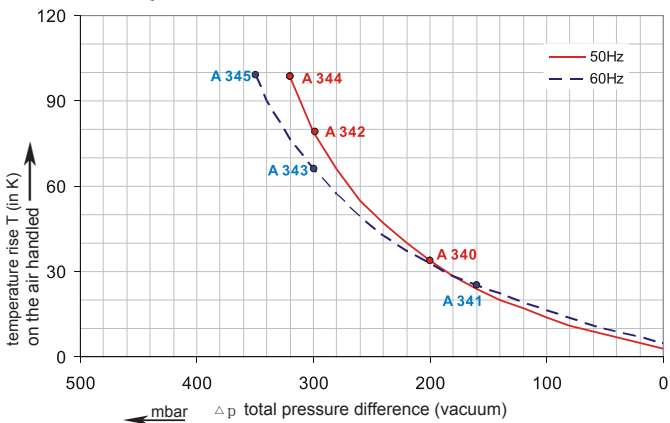
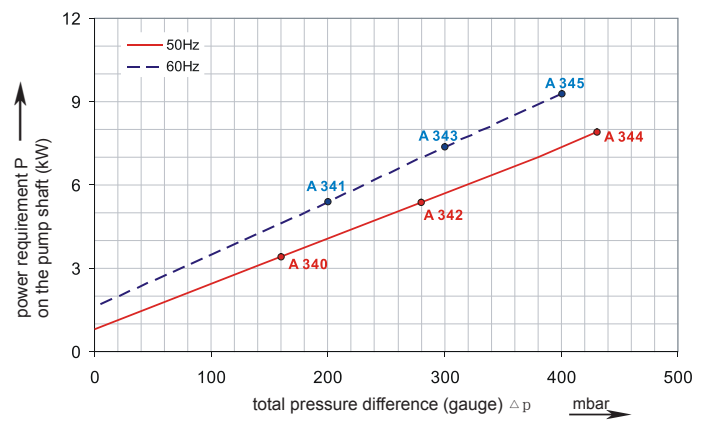
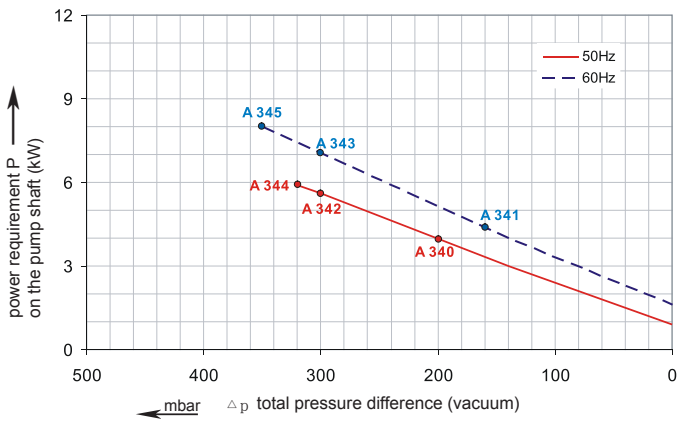
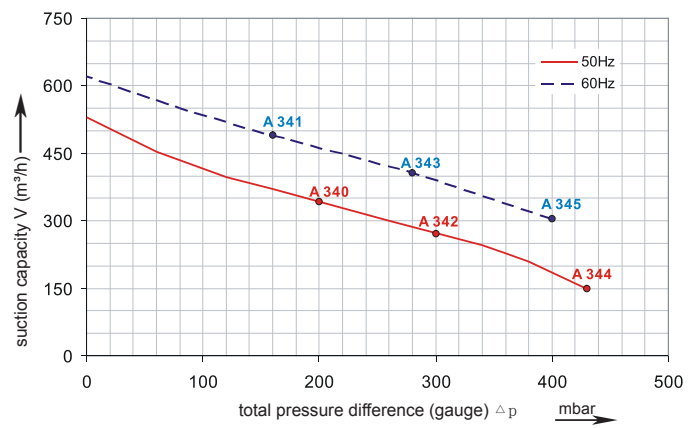
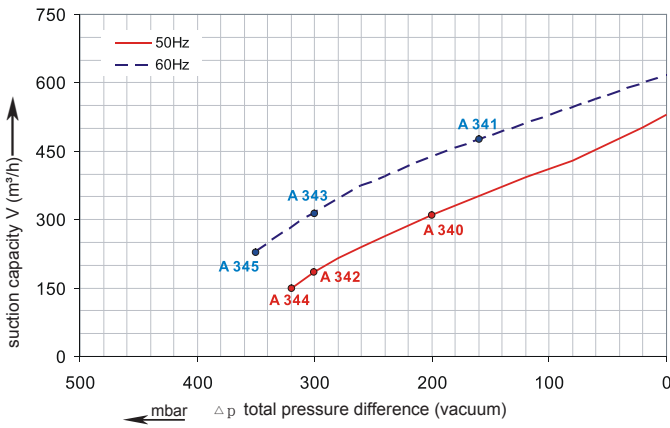


G-2RB

2RB 810

Performance curve for Vacuum pump

Performance curve for Compressor



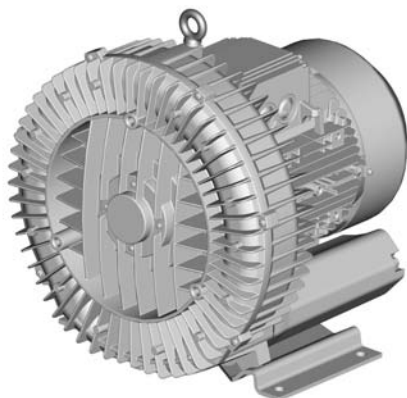
The performance curves are based on air at a temperature of 15 °C and an atmospheric pressure of 1013 mbar with a tolerance of +/- 10 %. The total pressure differences are valid for suction and ambient temperatures up to 25 °C. For other conditions please confer with us.

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 approved for UL and CSA.

Selection and ordering data

Type 2RB810

Curve No.	Order No.	Fre- quency	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		
3~ 50/60 Hz IP55 isulation material class F 1)											
A 340	2RB810-7AH07	50	4.0	345D ... 415D	600Y...720Y	9.5D	5.5Y	-200	200	70	54
A 341	2RB810-7AH07	60	4.6	380D ... 480D	660Y...720Y	9.5D	5.5Y	-160	160	74	54
A 342	2RB810-7AH17	50	5.5	345D ... 415D	600Y...720Y	12.9D	7.4Y	-300	300	70	63
A 343	2RB810-7AH17	60	6.3	380D ... 480D	660Y...720Y	12.9D	7.45Y	-300	280	74	63
A 344	2RB810-7AH27	50	7.5	345D ... 415D	600Y...720Y	16.7D	9.6Y	-320	430	70	66
A 345	2RB810-7AH27	60	8.6	380D ... 480D	660Y...720Y	17.3D	10.0Y	-350	400	74	66



Other voltage ranges

2RB810-7A <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 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.

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 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 %.

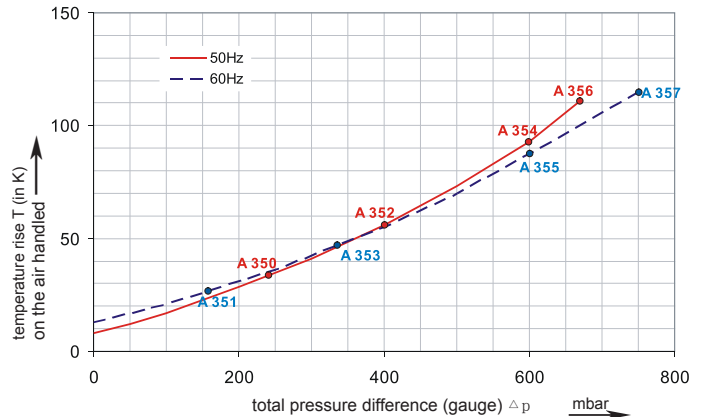
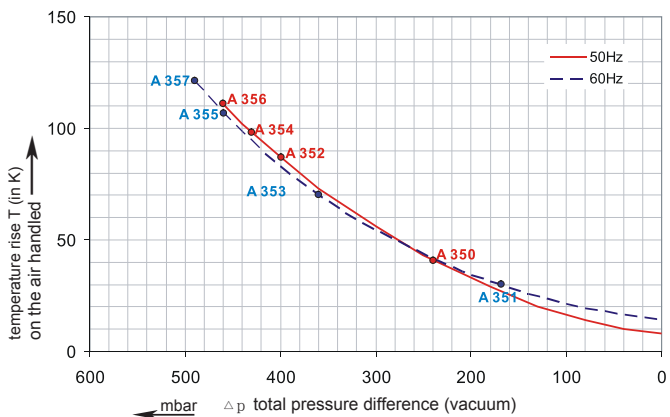
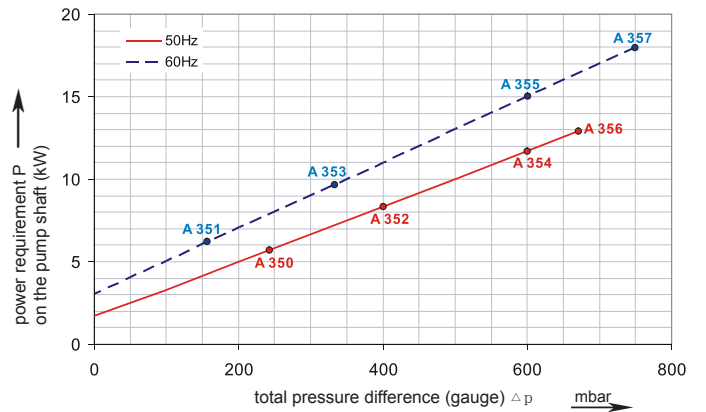
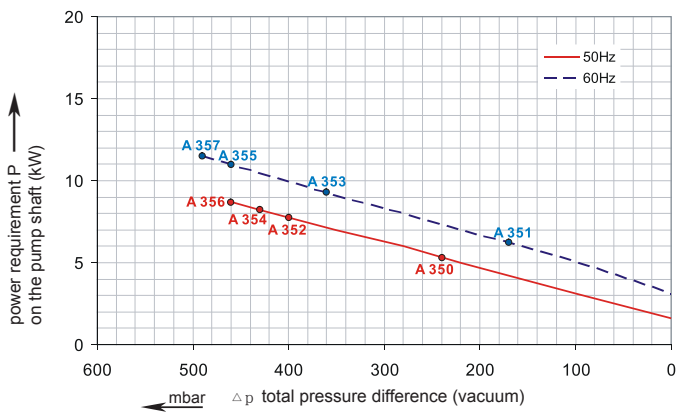
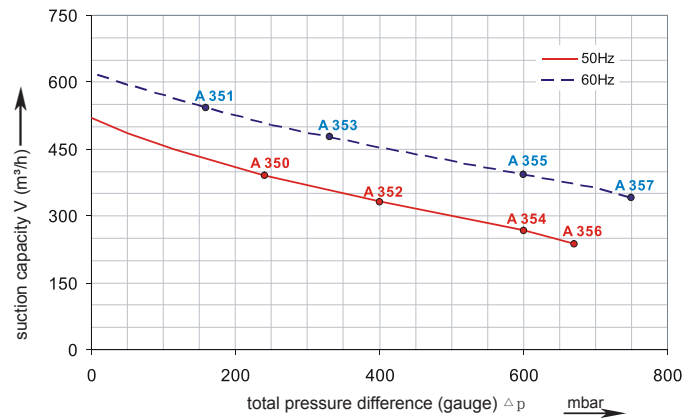
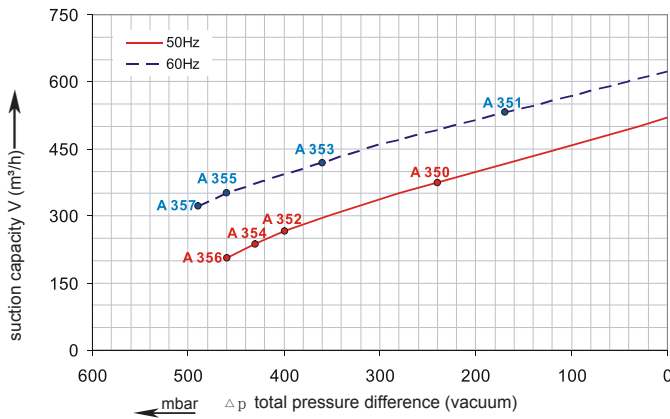


G-2RB

2RB 820

Performance curve for Vacuum pump

Performance curve for Compressor



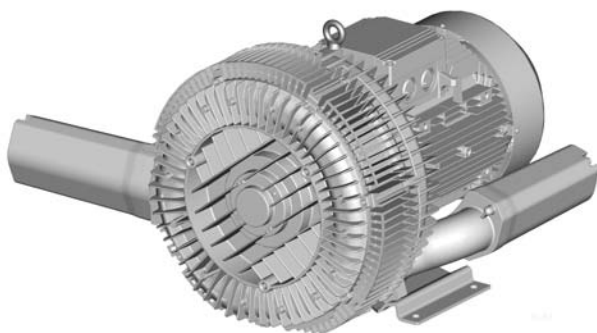
The performance curves are based on air at a temperature of 15 °C and an atmospheric pressure of 1013 mbar with a tolerance of +/- 10 %.
 The total pressure differences are valid for suction and ambient temperatures up to 25 °C.
 For other conditions please confer with us.

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 approved for UL and CSA.

Selection and ordering data

Type 2RB820

Curve No.	Order No.	Fre- quency	Rated power	Input voltage		Input current		Permissible total differential pressure ²⁾		Sound pressure level ³⁾	Weight ca.
				Hz	kW	V		A	Vacuum mbar		
3~ 50/60 Hz IP55 isulation material class F 1)											
A 350	2RB820-7HH17	50	5.5	345D ... 415D	600Y...720Y	13.3D	7.7	-240	240	74	83
A 351	2RB820-7HH17	60	6.3	380D ... 480D	660Y...720Y	13.3D	7.7	-170	160	78	83
A 352	2RB820-7HH27	50	7.5	345D ... 415D	600Y...720Y	16.7D	9.6	-400	400	74	86
A 353	2RB820-7HH27	60	8.6	380D ... 480D	660Y...720Y	17.3D	10.0	-360	330	78	86
A 354	2RB820-7HH37	50	11.0	345D ... 415D	600Y...720Y	28.0D	16.2	-430	600	74	104
A 355	2RB820-7HH37	60	12.6	380D ... 480D	660Y...720Y	29.0D	16.7	-460	600	78	104
A 356	2RB820-7HH47	50	15.0	345D ... 415D	600Y...720Y	32.5D	18.8	-460	670	74	120
A 357	2RB820-7HH47	60	17.3	380D ... 480D	660Y...720Y	34.5D	19.9	-490	750	78	120



Other voltage ranges

2RB820-7H <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
200...240 V D/345...415 V Y	200...275 V D/380...480 V Y
345...415 V D	380...480 V D
500 V D	575 V D

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.

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 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 %.

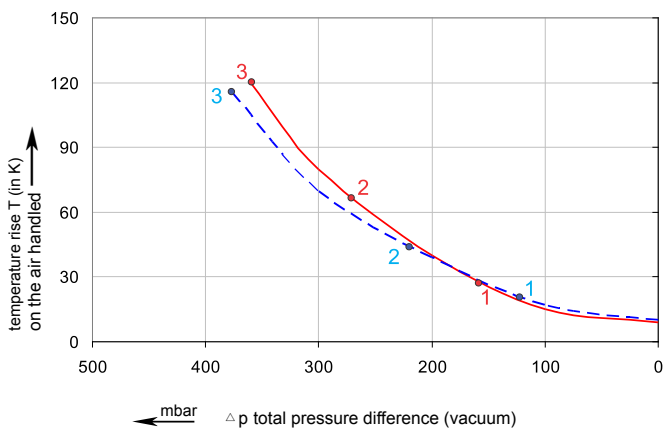
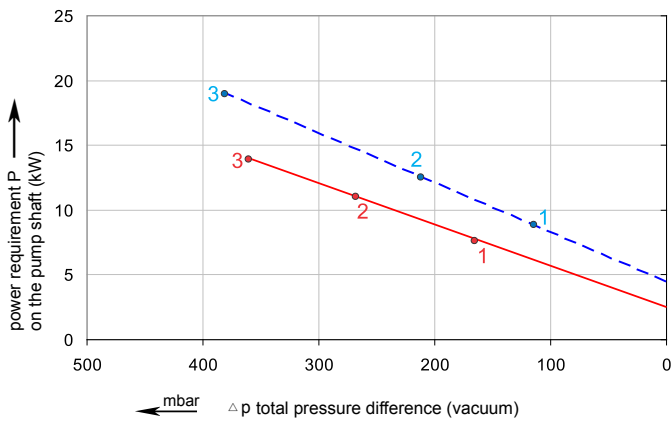
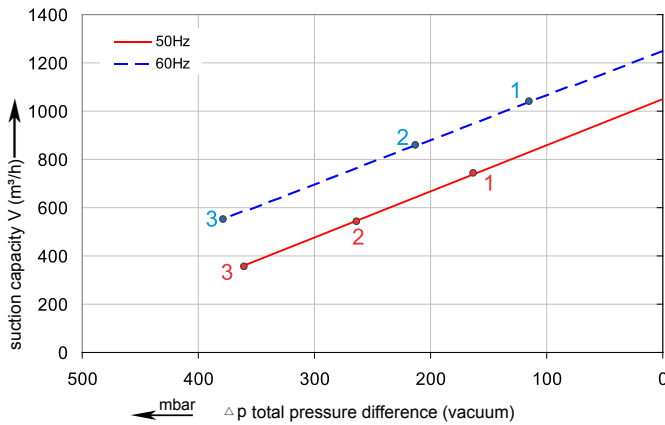


Data sheet 2RB 910

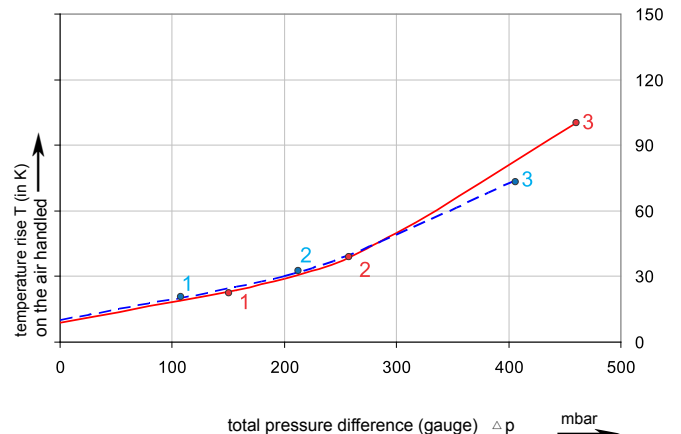
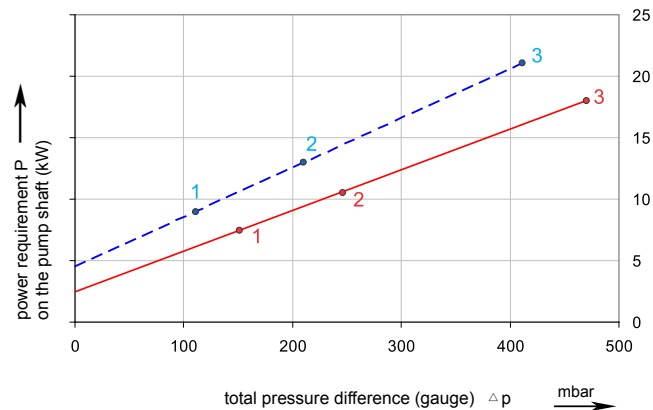
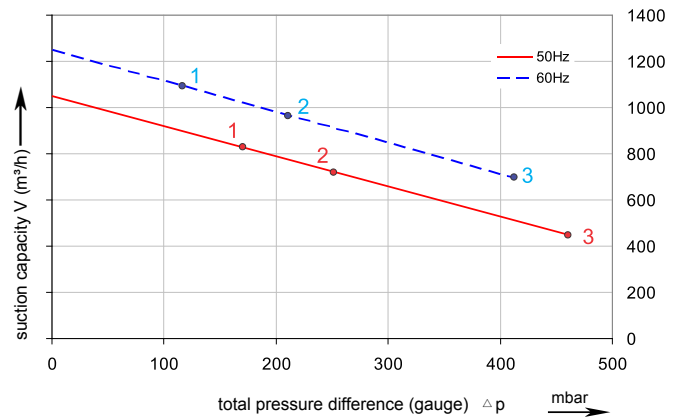
Side channel blower with IE2-motors



Performance curve for Vacuum pump



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.

Selection and ordering data

Type 2RB910

Curve No.	Order No.	Frequency	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			dB(A)	kg
3- 50/60 Hz IP55 isulation material class F ,UL 1004-1									
1	2RB910-7AT07	50	7.50	350 - 450 D / 610 - 725Y	15.1D/8.70Y	-160	150	74	100
		60	8.60	400 - 500D / 690 - 725Y	15.1D/8.80Y	-120	110	79	100
2	2RB910-7AT17	50	11.0	350 - 450 D / 610 - 725 Y	22.0D/12.7Y	-270	250	74	115
		60	12.6	400 - 500D / 690 - 725Y	22.0D/12.9Y	-220	210	79	115
3	2RB910-7AT37	50	18.5	350 - 450 D / 610 - 725 Y	37.0D/21.0Y	-360	460	74	130
		60	21.3	400 - 500D / 690 - 725Y	36.5D/21.0Y	-380	410	79	130

1) Relief valves available for limiting differential pressure.

2) Measuring surface sound pressure level acc. to EN ISO 3744, measured with an equivalent unit at a distance of 1 m. The pump is throttled to an average suction pressure, with piping connected, but no relief valves fitted, tolerance ± 3 dB(A).

All 2RB fulfil the 2006/42/EC(machinery)and 2006/95/EC(low voltage) directives and the EN 60034-1 norm "Rotating electrical machines".

The motors comply with EN 60 034-1 / -2 /-30(IEC 60034) and thermal class F.

The voltage tolerance is $\pm 5\%$.

The frequency tolerance is $\pm 2\%$ maximum.

Other voltage ranges						
50 Hz	50 Hz Voltage range	60 Hz Voltage range	72 Hz (5000 rpm)		2RB...-7.	<input type="checkbox"/> <input type="checkbox"/>
3~IE2/ (EFF I)						
200 V D/345 V Y	180-240 V D /310-415 V Y	200...275 V D/345...480 V Y	-----			T 1
500 V D	450-550 V D	520...600 V D	-----			T 5
230 V D/400 V Y	200-260 V D /350-450 V Y	230...290 V D/400...500 V Y	330 V D			T 6
400 V D/690 V Y	350-450 V D /610-725 V Y	400...500 V D/690...725 V Y	-----			T 7

4) Performance can different if standard motors are used.Please refer to corresponding data sheets.



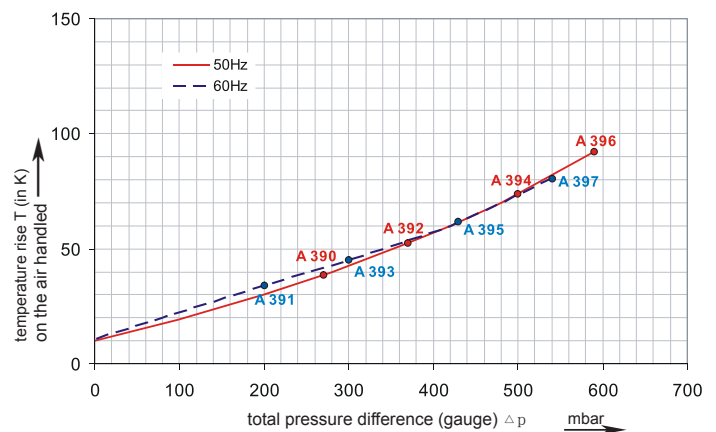
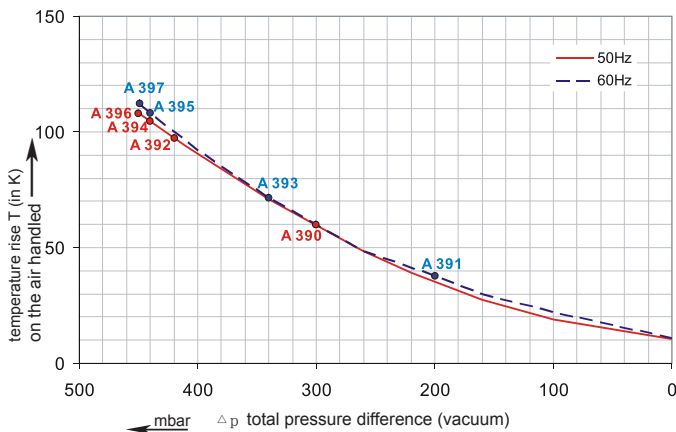
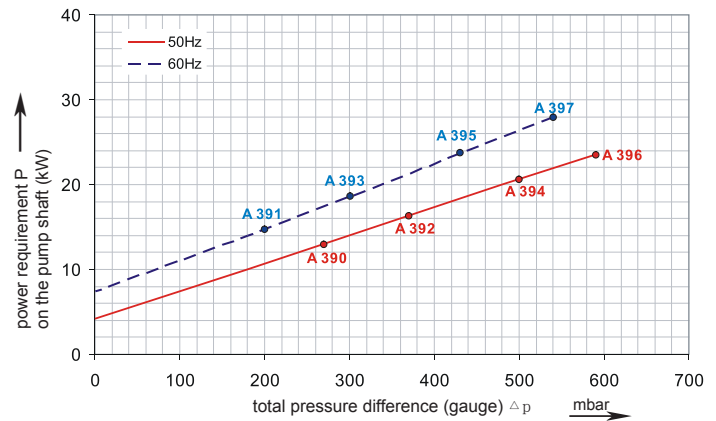
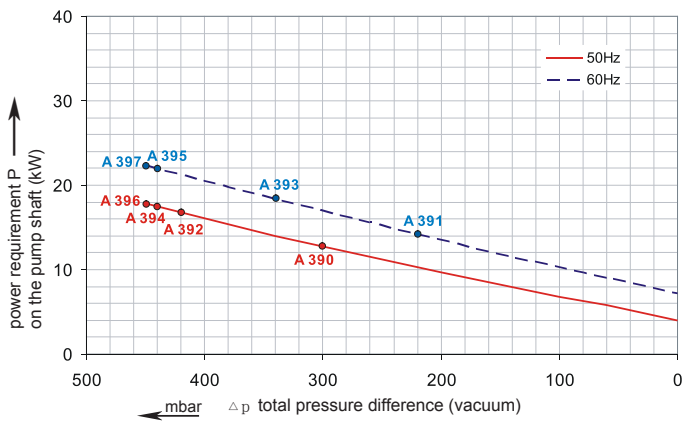
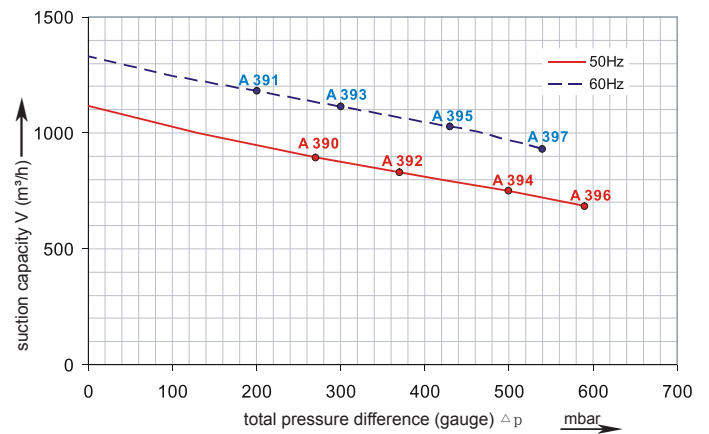
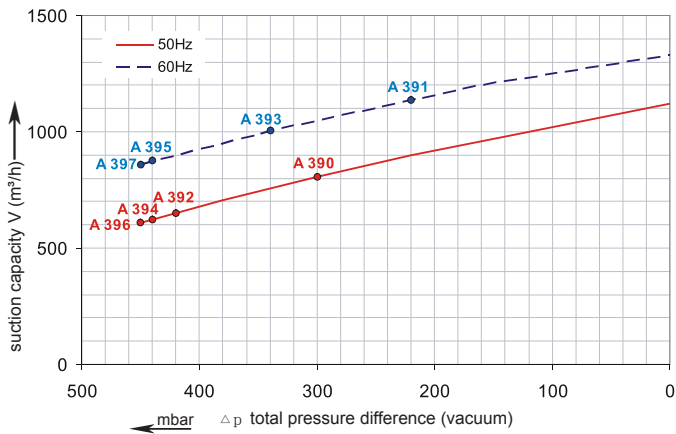


G-2RB

2RB 920

Performance curve for Vacuum pump

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 approved for UL and CSA.

Selection and ordering data

Type 2RB920

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

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

A 390	2RB920-7HH17	50	12.5	345D ... 415D	600Y...720Y	28.0D	16.2Y	-300	270	74	187
A 391	2RB920-7HH17	60	14.5	380D ... 480D	660Y...720Y	29.0D	16.7Y	-220	200	84	187
A 392	2RB920-7HH27	50	16.5	345D ... 415D	600Y...720Y	35.0D	20.0Y	-420	370	74	197
A 393	2RB920-7HH27	60	19.0	380D ... 480D	660Y...720Y	36.5D	21.0Y	-340	300	84	197
A 394	2RB920-7HH37	50	20.0	345D ... 415D	600Y...720Y	40.0D	23.0Y	-440	500	74	204
A 395	2RB920-7HH37	60	23.0	380D ... 480D	660Y...720Y	42.0D	24.2Y	-440	430	84	204
A 396	2RB920-7HH47	50	25.0	345D ... 415D	600Y...720Y	52.0D	30.0Y	-450	590	74	211
A 397	2RB920-7HH47	60	29.0	380D ... 480D	660Y...720Y	52.0D	30.0Y	-450	540	84	211



Other voltage ranges

2RB920-7H <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 7
500 V D	575V 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.

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, data and weights without prior notice. The figures are without obligations.

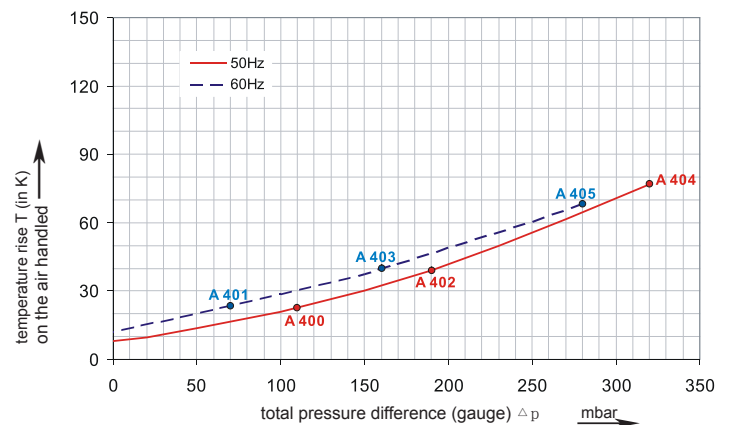
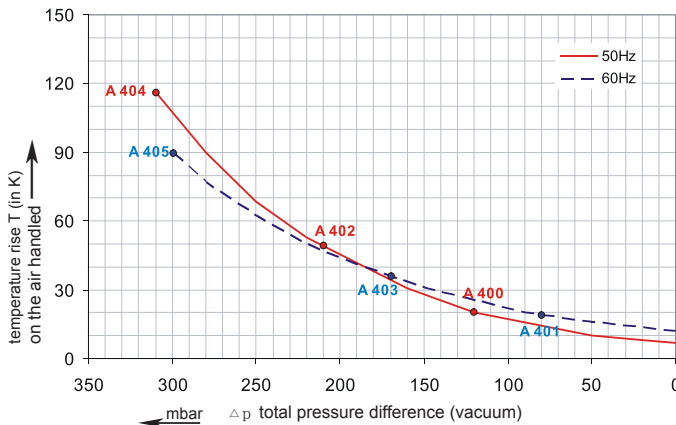
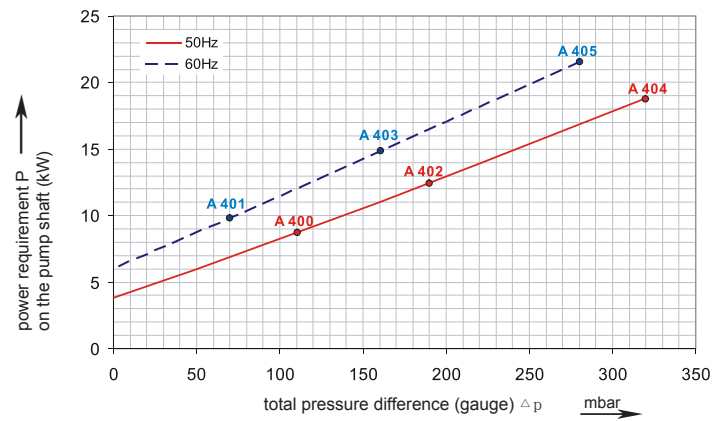
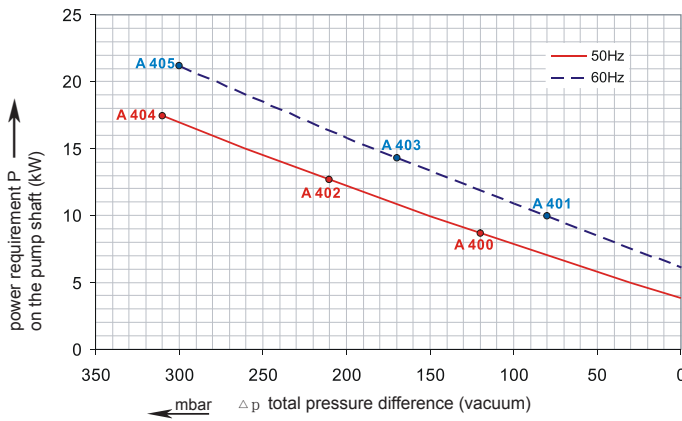
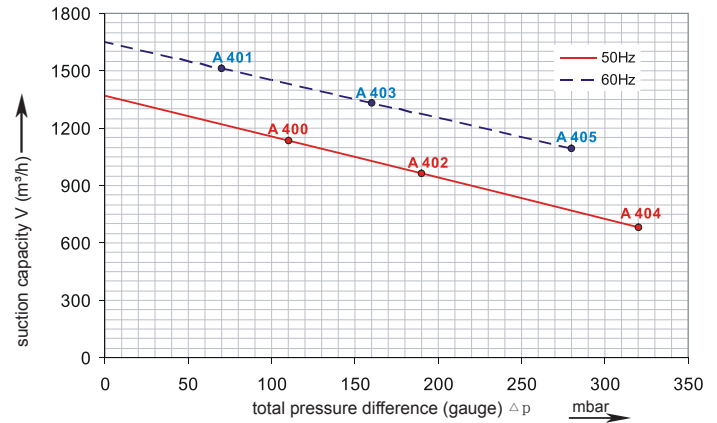
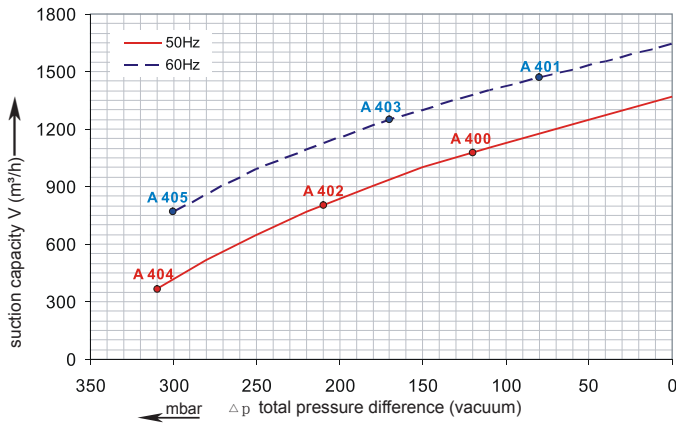


G-2RB

2RB 930

Performance curve for Vacuum pump

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 approved for UL and CSA.

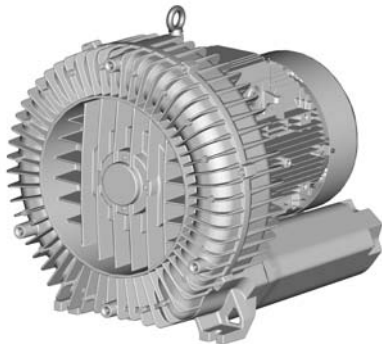
Selection and ordering data

Type 2RB930

Curve No.	Order No.	Fre- quency	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		

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

A 400	2RB930-7AH07	50	8.5	345D...415D	600Y...720Y	18.2D	10.5Y	-120	110	75	98
A 401	2RB930-7AH07	60	9.8	380D...480D	660Y...720Y	18.2D	10.5Y	-80	70	80	98
A 402	2RB930-7AH17	50	12.5	345D...415D	600Y...720Y	28.0D	16.2Y	-210	190	75	121
A 403	2RB930-7AH17	60	14.5	380D...480D	660Y...720Y	29.0D	16.7Y	-170	160	80	121
A 404	2RB930-7AH37	50	18.5	345D...415D	600Y...720Y	37.0D	21.0Y	-310	320	75	131
A 405	2RB930-7AH37	60	21.3	380D...480D	660Y...720Y	39.0D	22.5Y	-300	280	80	131



Other voltage ranges

2RB930-7A <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 7
500 V D	575V 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.

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, data and weights without prior notice. The figures are without obligations.

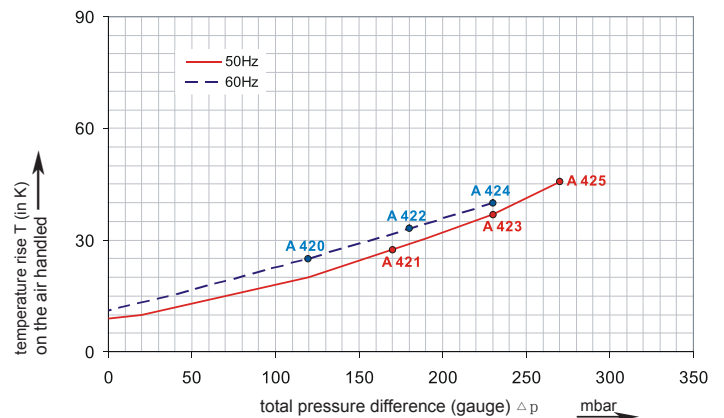
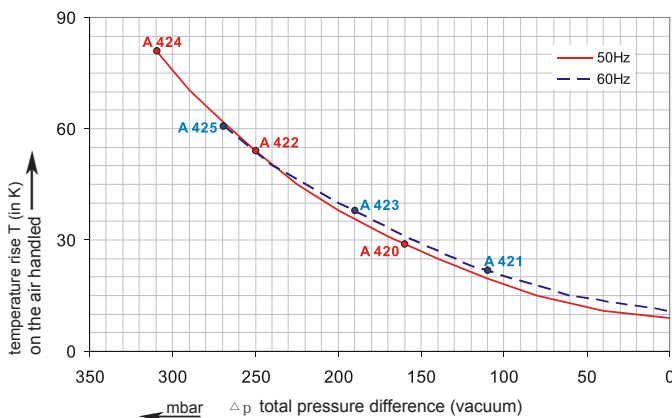
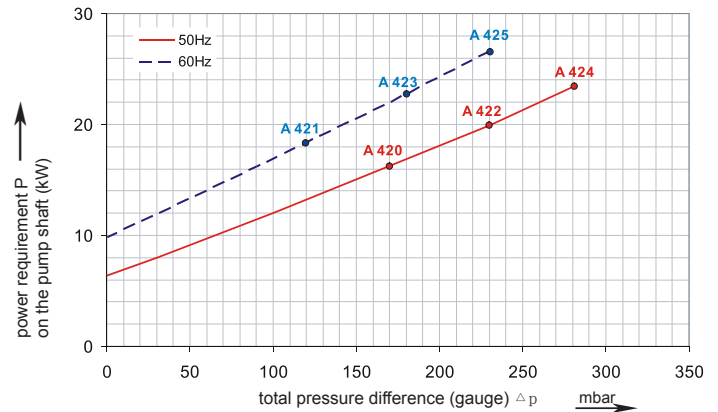
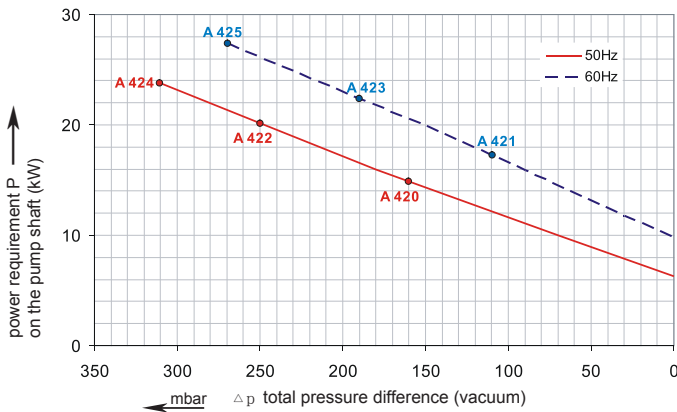
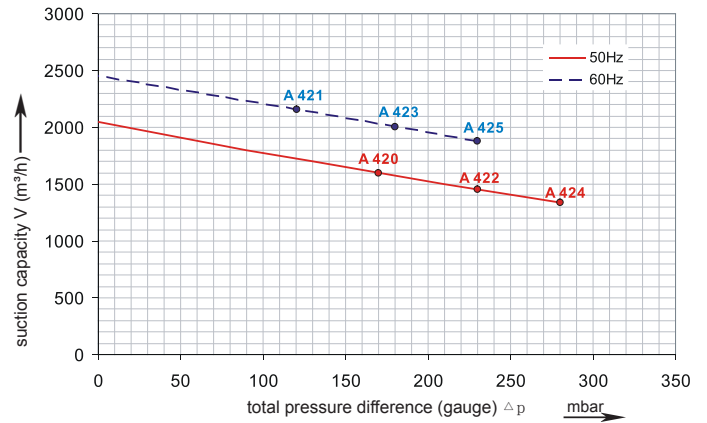
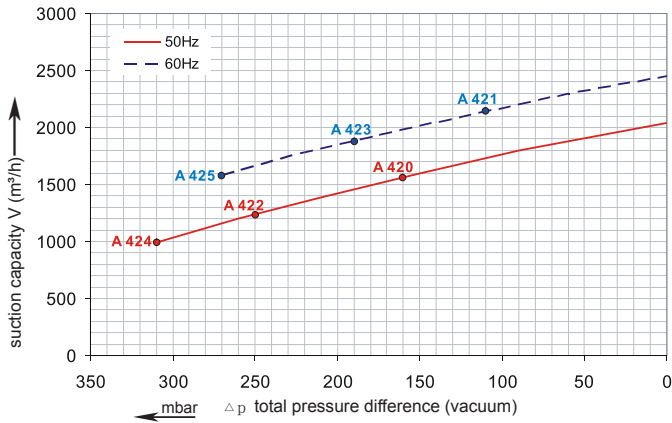


G-2RB

2RB 943

Performance curve for Vacuum pump

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 approved for UL and CSA.

Selection and ordering data

Type 2RB943

Curve No.	Order No.	Fre-quency	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		

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

A 420	2RB943-7BH27 ¹⁾	50	15.0	345D...415D	600Y...720Y	35.0D	20.0Y	-160	170	75	220
A 421	2RB943-7BH27 ¹⁾	60	17.5	380D...480D	660Y...720Y	36.5D	21.0Y	-110	120	84	220
A 422	2RB943-7BH37 ¹⁾	50	20.0	345D...415D	600Y...720Y	40.0D	23.0Y	-250	230	75	230
A 423	2RB943-7BH37 ¹⁾	60	23.0	380D...480D	660Y...720Y	42.0D	24.2Y	-190	180	84	230
A 424	2RB943-7BH47 ¹⁾	50	25.0	345D...415D	600Y...720Y	52.0D	30.0Y	-310	270	75	235
A 425	2RB943-7BH47 ¹⁾	60	29.0	380D...480D	660Y...720Y	52.0D	30.0Y	-270	230	84	235



Other voltage ranges

2RB943-7B		<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 7	
500 V D	575V 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.

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 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.