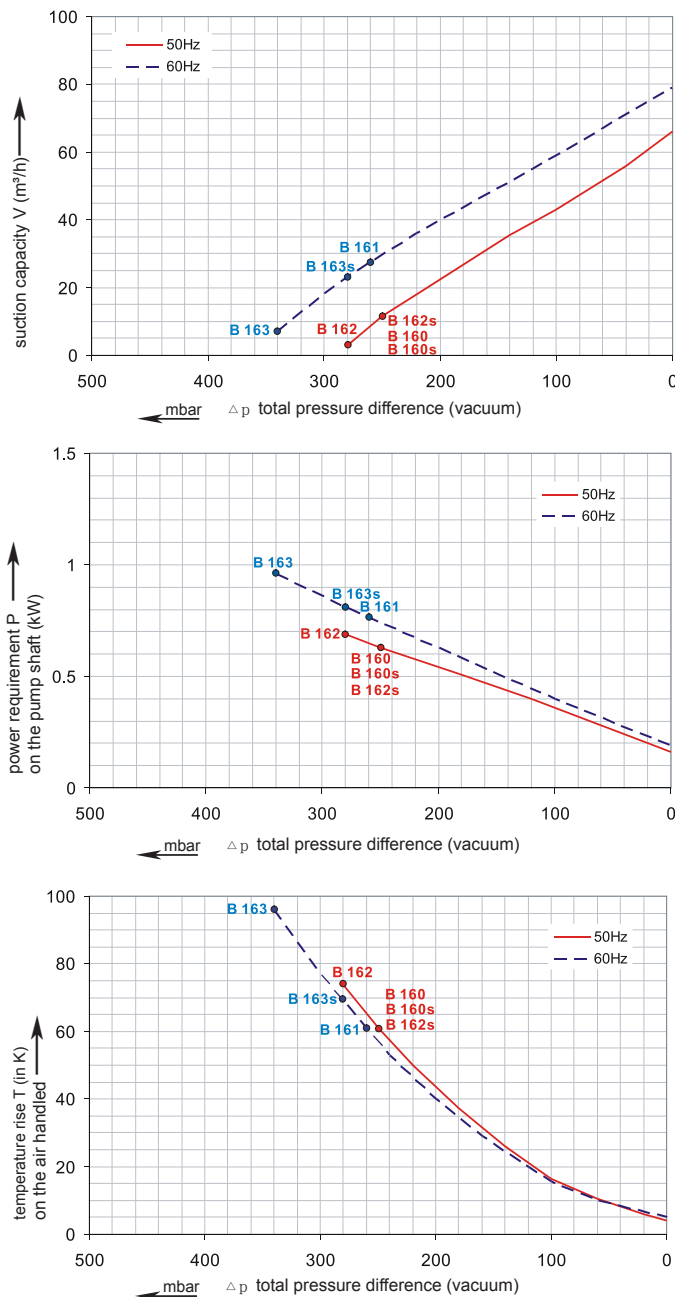




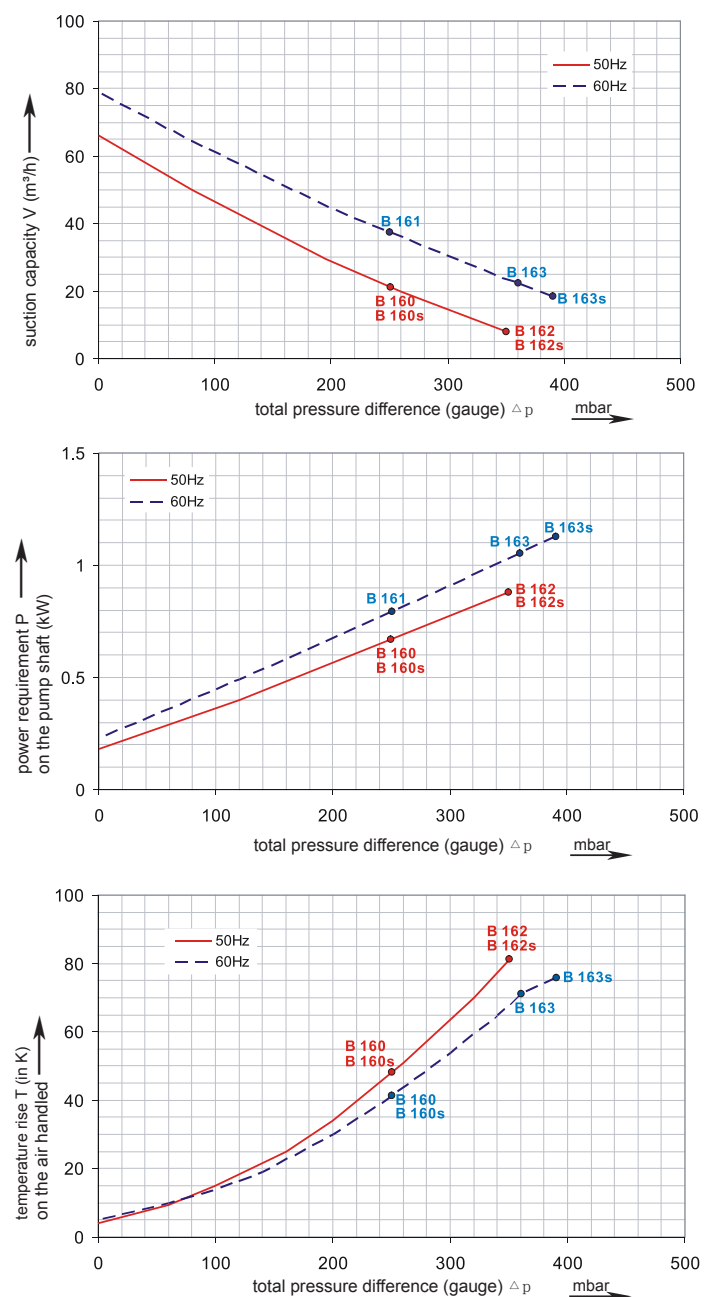
## G-4RB

Performance curve for Vacuum pump



## 4RB 310

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-4RB 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.

## Selection and ordering data

### Type 4RB310

Curve No.	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.
		Hz	kW	V	A	Vacuum mbar	Compressor mbar	dB(A)	kg

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

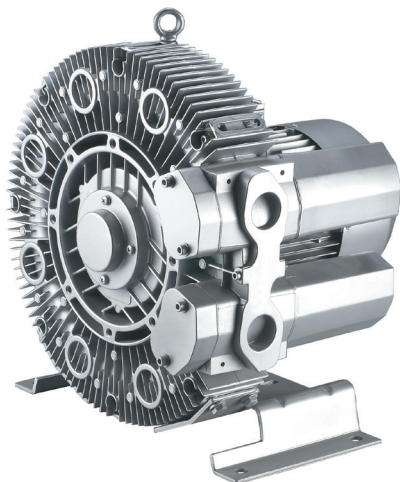
B 160	4RB310-0AH16-7	50	0.55	200D ... 240D	345Y...415Y	2.8D	1.6Y	-250	250	57	16
B 161	4RB310-0AH16-7	60	0.63	220D ... 275D	380Y...480Y	3.0D	1.7Y	-260	250	62	16
B 162	4RB310-0AH26-7	50	0.81	200D ... 240D	345Y...415Y	4.0D	2.3Y	-280	350	57	17
B 163	4RB310-0AH26-7	60	0.94	220D ... 275D	380Y...480Y	4.0D	2.3Y	-340	360	62	17

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

B 162s	4RB 310-0AV74-7	50	0.94	100	200	18.1	9.1	-250	350	57	18
B 163s	4RB 310-0AV74-7	60	1.1	100	200	24.8	12.4	-280	390	62	18
B 162s	4RB 310-0AV75-7	50	0.94	115	230	15.2	7.6	-250	350	57	18
B 163s	4RB 310-0AV75-7	60	1.1	115	230	18.0	9.0	-280	390	62	18

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

B 160s	4RB 310-0AV75-7	50	0.94	230		9.0		-250	250	57	18
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#### Other voltage ranges

		<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	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	V 4
115 / 230 V	115 / 230 V	V 5
230V	---	A 1

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

All G-4RB 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.

ZHEJIANG GREENCO INDUSTRY CO.,LTD

Add:danya industrial zone.zeguo.wenling zhejiang China  
P.C:317523  
Tel:0086-576-86428999  
Fax:0086-576-86409555  
E-mail:greenco@greenco.cn  
Http://www.greenco.cn