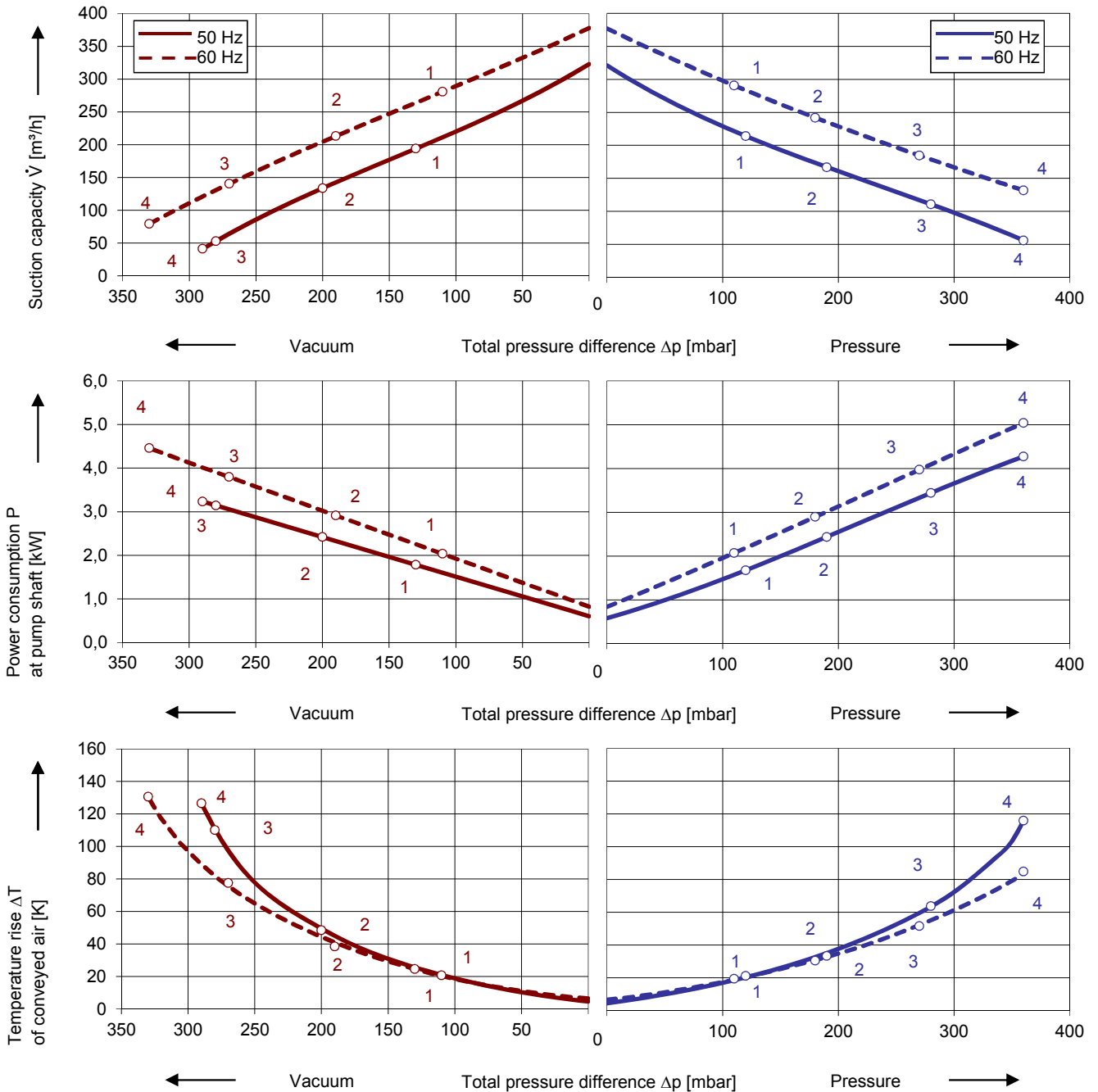


### Performance curves

#### Vacuum operation

#### Compressor operation



The performance curves are based on air at a temperature of 15 °C and an atmospheric pressure of 1013 mbar with a tolerance of  $\pm 10 \%$ . The total pressure differences are valid for suction and ambient temperature up to 25 °C. For other conditions please get in touch with us.

All Greenco blowers can be used both as vacuum pump and compressor in continuous operation over the total performance curve range. The motors are available as standard in protection category IP 55 and insulation class F.

Selection and ordering data										
Type 2RB 710										
No.	Fre- quency	Rated			Max. differential pressure <sup>2)</sup>		Sound pres. Level <sup>3)</sup>	Efficiency class <sup>4)</sup>	Weight approx. kg	Order No.
		Voltage <sup>1)</sup>	Current	Power	Vacuum	Pressure				
					mbar					
Hz	V	A	kW							
<b>IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)</b>										
1	50	190-210△	6.9 △	1,75	-130	120	69	IE3	35	2RB 710-1BP01
	60	190-210 YY / 380-420 Y	7.8 YY / 3.9 Y	2,0	-110	110	72	IE3		
2	50	190-210△	9.9 △	2,5	-200	190	64	IE3	39	2RB 710-1BP11
	60	190-210 YY / 380-420 Y	12.0 YY / 6.0 Y	3,0	-190	180	70	IE3		
3	50	190-210△	13.8 △	3,45	-280	270	68	IE3	44	2RB 710-1BP21
	60	190-210 YY / 380-420 Y	15.4 YY / 7.7 Y	4,0	-270	250	71	IE3		
4	50	190-210△	17.1 △	4,6	-290	360	69	IE3	55	2RB 710-1BP31
	60	190-210 YY / 380-420 Y	19.6 YY / 9.8 Y	5,3	-330	360	71	IE3		
<b>IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)</b>										
1	50	220-240 △ / 380-420 Y	6.0 △/ 3.45 Y	1,75	-130	120	69	IE3	35	2RB 710-1BP06
	60	220-240 YY / 440-480 Y	6.8 YY/ 3.4 Y	2,0	-110	110	72	IE3		
2	50	220-240 △ / 380-420 Y	8.6 △/ 5.0Y	2,5	-200	190	64	IE3	39	2RB 710-1BP16
	60	220-240 YY / 440-480 Y	10.4 YY/ 5.2 Y	3,0	-190	180	70	IE3		
3	50	220-240 △ / 380-420 Y	12.0 △/ 6.9Y	3,45	-280	270	68	IE3	44	2RB 710-1BP26
	60	220-240 YY / 440-480 Y	13.4 YY/ 6.7 Y	4,0	-270	250	71	IE3		
4	50	220-240 △ / 380-420 Y	14.9 △/ 8.6Y	4,6	-290	360	69	IE3	55	2RB 710-1BP36
	60	220-240 YY / 440-480 Y	17.0YY/ 8.5 Y	5,3	-330	360	71	IE3		
<b>IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)</b>										
1	50	220-240 △ / 380-420 Y	6.0 △/ 3.45 Y	1,75	-130	120	63	IE3	35	2RB 710-1BQ06
	60	440-480 Y	3.40Y	2,0	-110	110	68	IE3		
2	50	220-240 △ / 380-420 Y	8.6 △/ 5.0Y	2,5	-200	190	64	IE3	49	2RB 710-1BQ16
	60	440-480 Y	5.20Y	3,0	-190	180	70	IE3		
3	50	220-240 △ / 380-420 Y	12.0 △/ 6.9Y	3,45	-280	270	69	IE3	44	2RB 710-1BQ26
	60	440-480 Y	6.70Y	4,0	-270	250	71	IE3		
4	50	220-240 △ / 380-420 Y	14.9△/ 8.6Y	4,6	-290	360	69	IE3	55	2RB 710-1BQ36
	60	440-480 Y	8.50Y	5,3	-330	360	71	IE3		
<b>IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)</b>										
1	50	380-420 △ / 660-725 Y	3.45 △/ 2,0 Y	1,75	-130	120	63	IE3	35	2RB 710-1BQ07
	60	440-480 △	3.40△	2,0	-110	110	68	IE3		
2	50	380-420 △ / 660-725 Y	5.0 △/ 2,9Y	2,5	-200	190	64	IE3	49	2RB 710-1BQ17
	60	440-480 △	5.20△	3,0	-190	180	70	IE3		
3	50	380-420 △ / 660-725 Y	6.9 △/ 4,0Y	3,45	-280	270	69	IE3	44	2RB 710-1BQ27
	60	440-480 △	6.70△	4,0	-270	250	71	IE3		
4	50	380-420 △ / 660-725 Y	8.6△/ 5,0Y	4,6	-290	360	69	IE3	55	2RB 710-1BQ37
	60	440-480 △	8.50△	5,3	-330	360	71	IE3		

- 1) In case of frequency converter operation the standard motor insulation system is suitable for converter input voltages up to 500 V.
- 2) Relief valves available for limiting differential pressure.
- 3) 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).
- 4) The motors according to NEMA MG1-12. NP=NEMA Premium; NEMA Premium includes IE3.
- 5) Klixon recommended for motor overload protection. Ordering example: 2RB 710-□□□□-Z

All 2RB blowers match the 2006/42/EC (machinery) and 2014/35/EU (low voltage) directives and the EN 60034 norm "Rotating electrical machines".

Service factor (SF) and motor efficiency according NEMA MG1-12.

Voltage tolerances for three phase motors are +/-10%.

The frequency tolerance is +/- 2 % maximum.

Motor for alternate voltages					
Voltage range		Efficiency	60 Hz	2RB ...-1.	□ . □
50 Hz	60Hz				
<b>3~</b>					
200 V△	200 V YY / 230 V△ / 400 VY		•		1
190-210 V△	190-210 VYY / 220-240 V△ / 380-420VY		•	P	6
200 V YY / 230 V△ / 400 VY	230 V YY / 460 VY		•		1
190-210 VYY / 220-240 V△ / 380-420VY	220-240 VYY / 440-480VY		•	P	6
190-210 V△	220-240 V△ / 380-420VY		•	Q	1
475-525 V Y	550-600 V Y		•	Q	3
475-525 V△	550-600 V△		•	Q	5
220-240 V△ / 380-420 V Y	440-480VY		•	Q	6
400 V△ / 690 V Y	460 V△		•	Q	7

Changes in particular of the quoted performance curve, data and weights may occur without prior notice. The data given does not constitute an obligation from our side to deliver as shown