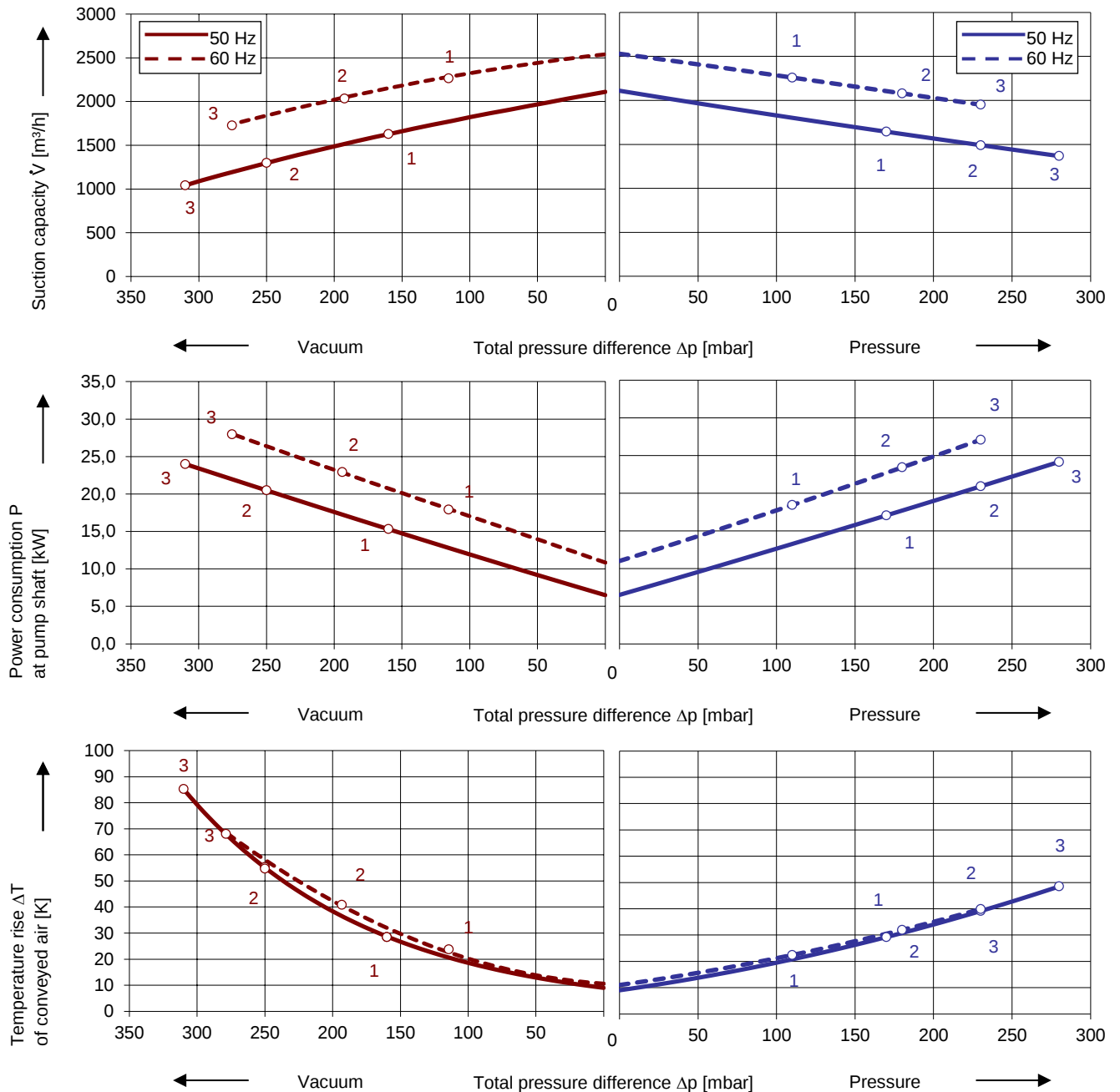


Performance curves

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 943										
No.	Fre- quency	Rated			Max. differential pressure ²⁾		Sound pres. Level ³⁾	Efficiency class ⁴⁾	Weight approx.	Order No.
		Voltage ¹⁾	Current	Power	Vacuum	Pressure				
	Hz	V	A	kW	mbar		dB(A)	kg		
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)										
1	50	190-210△	63,1△	17,3	-160	170	73	IE3	230	2RB 943-1BP21
	60	190-210 YY / 380-420 Y	72,2 YY/ 36,1 Y	19,9	-120	110	77	IE3		
2	50	190-210△	76,2△	21,3	-250	230	73	IE3	245	2RB 943-1BP31
	60	190-210 YY / 380-420 Y	87,4YY/ 43,7 Y	24,5	-190	180	77	IE3		
3	50	190-210△	92,5△	25,3	-310	280	73	IE3	260	2RB 943-1BP41
	60	190-210 YY / 380-420 Y	107,0YY/ 53,5 Y	29,0	-270	230	77	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)										
1	50	220-240 △ / 380-420 Y	54,9 △/ 31,7 Y	17,3	-160	170	73	IE3	230	2RB 943-1BP26
	60	220-240 YY / 440-480 Y	62,8 YY/ 31,4 Y	19,9	-120	110	77	IE3		
2	50	220-240 △ / 380-420 Y	66,3 △/ 38,3 Y	21,3	-250	230	73	IE3	245	2RB 943-1BP36
	60	220-240 YY / 440-480 Y	76,0 YY/ 38,0 Y	24,5	-190	180	77	IE3		
3	50	220-240 △ / 380-420 Y	80,5 △/ 46,5 Y	25,3	-310	280	73	IE3	260	2RB 943-1BP46
	60	220-240 YY / 440-480 Y	93,0YY/ 46,5 Y	29,0	-270	230	77	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)										
1	50	380-420 △ / 660-725 Y	31,7 △/ 18,3 Y	17,3	-160	170	73	IE3	230	2RB 943-1BQ27
	60	440-480△	31,4△	19,9	-120	110	77	IE3		
2	50	380-420 △ / 660-725 Y	38,3 △/ 22,1 Y	21,3	-250	230	73	IE3	245	2RB 943-1BQ37
	60	440-480△	38,0△	24,5	-190	180	77	IE3		
3	50	380-420 △ / 660-725 Y	46,5 △/ 26,8 Y	25,3	-310	280	73	IE3	260	2RB 943-1BQ47
	60	440-480△	46,5△	29,0	-270	230	77	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)										
1	50	220-240 △ / 380-420 Y	54,9 △/ 31,7 Y	17,3	-160	170	73	IE3	230	2RB 943-1BQ26
	60	440-480 Y	31,4 Y	19,9	-120	110	77	IE3		
2	50	220-240 △ / 380-420 Y	66,3 △/ 38,3 Y	21,3	-250	230	73	IE3	245	2RB 943-1BQ36
	60	440-480 Y	38,0 Y	24,5	-190	180	77	IE3		
3	50	220-240 △ / 380-420 Y	80,5 △/ 46,5 Y	25,3	-310	280	73	IE3	260	2RB 943-1BQ46
	60	440-480 Y	46,5 Y	29,0	-270	230	77	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				
50 Hz	60Hz		60 Hz	2RB ...-1.	□	□
3~						
200 VΔ	200 V YY / 230 VΔ / 400 VY		•		P	1
190-210 VΔ	190-210 VYY / 220-240 VΔ / 380-420VY	IE3	•			
200 V YY / 230 VΔ / 400 VY	230 V YY / 460 VY		•		P	6
190-210 VYY / 220-240 VΔ / 380-420VY	220-240 VYY / 440-480VY	IE3	•			
190-210 VΔ	220-240 VΔ / 380-420VY	IE3	•		Q	1
475-525 V Y	550-600 V Y		•		Q	3
475-525 VΔ	550-600 VΔ		•		Q	5
220-240 VΔ / 380-420 V Y	440-480VY	IE3	•		Q	6
400 VΔ / 690 V Y	460 VΔ		•		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

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