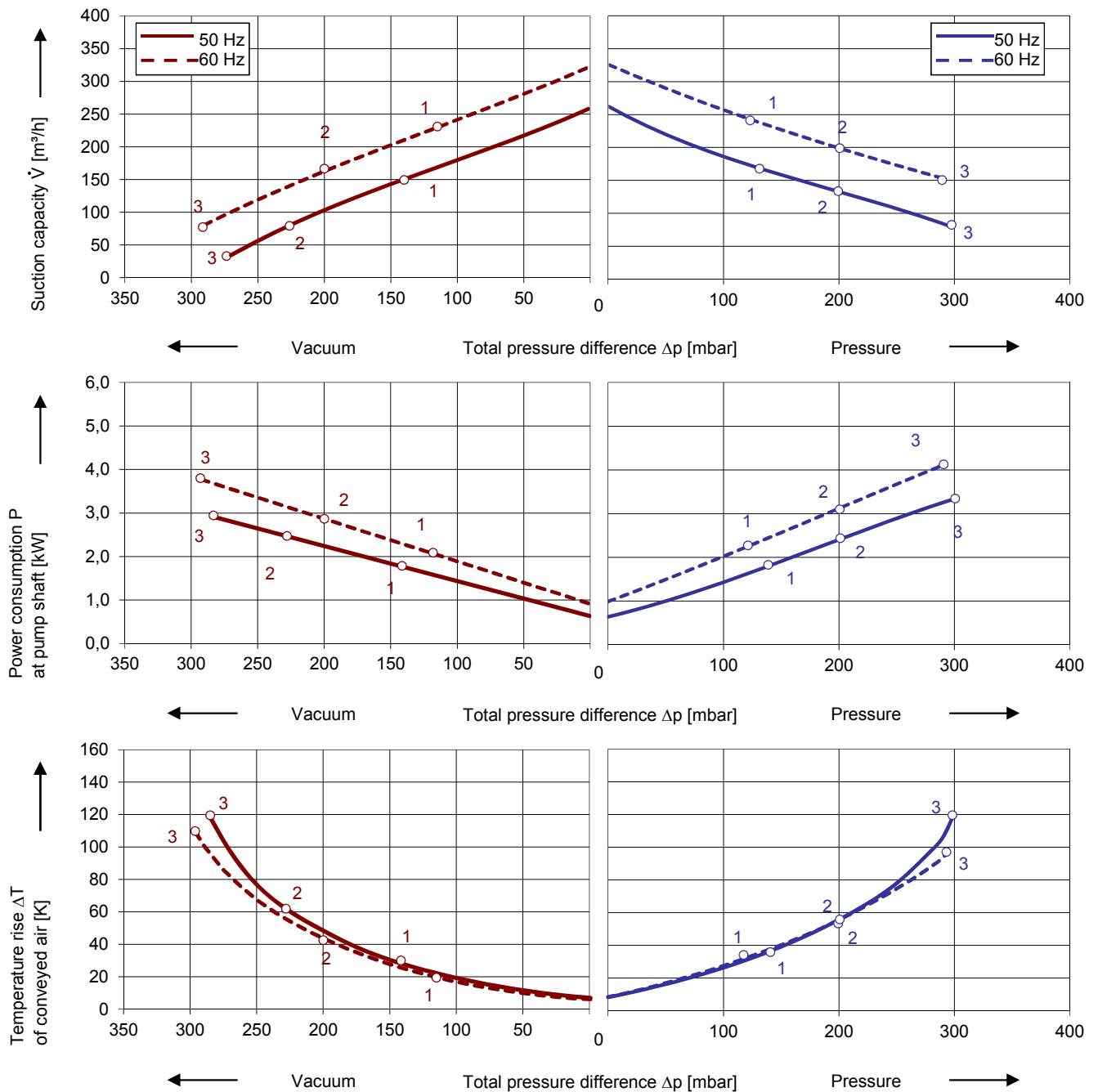


Performance curves

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 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△	6.9 △	1,75	-140	130	69	IE3	32	2RB 610-1AP01
	60	190-210 YY / 380-420 Y	7.8 YY / 3.9 Y	2,0	-120	120	72	IE3		
2	50	190-210△	9.9 △	2,5	-230	200	64	IE3	35	2RB 610-1AP11
	60	190-210 YY / 380-420 Y	12.0 YY / 6.0 Y	3,0	-200	200	70	IE3		
3	50	190-210△	13.8 △	3,45	-280	300	68	IE3	38	2RB 610-1AP21
	60	190-210 YY / 380-420 Y	15.4 YY / 7.7 Y	4,0	-290	290	71	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)										
1	50	220-240 △ / 380-420 Y	6.0 △/ 3.45 Y	1,75	-140	130	69	IE3	32	2RB 610-1AP06
	60	220-240 YY / 440-480 Y	6.8 YY/ 3.4 Y	2,0	-120	120	72	IE3		
2	50	220-240 △ / 380-420 Y	8.6 △/ 5.0Y	2,5	-230	200	64	IE3	35	2RB 610-1AP16
	60	220-240 YY / 440-480 Y	10.4 YY/ 5.2 Y	3,0	-200	200	70	IE3		
3	50	220-240 △ / 380-420 Y	12.0 △/ 6.9Y	3,45	-280	300	68	IE3	38	2RB 610-1AP26
	60	220-240 YY / 440-480 Y	13.4 YY/ 6.7 Y	4,0	-290	290	71	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)										
1	50	380-420 △ / 660-725 Y	3.45△/ 2.0Y	1,75	-140	130	69	IE3	32	2RB 610-1AQ07
	60	440-480 △	3.40△	2,0	-120	120	72	IE3		
2	50	380-420 △ / 660-725 Y	5.0△/ 2.9Y	2,5	-230	200	64	IE3	35	2RB 610-1AQ17
	60	440-480 △	5.20△	3,0	-200	200	70	IE3		
3	50	380-420 △ / 660-725 Y	6.9△/ 4.0Y	3,45	-280	300	68	IE3	38	2RB 610-1AQ27
	60	440-480 △	6.70△	4,0	-290	290	71	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)										
1	50	220-240 △ / 380-420 Y	6.0 △/ 3.45 Y	1,75	-140	130	69	IE3	32	2RB 610-1AQ06
	60	440-480 Y	3.4 Y	2,0	-120	120	72	IE3		
2	50	220-240 △ / 380-420 Y	8.6 △/ 5.0Y	2,5	-230	200	64	IE3	35	2RB 610-1AQ16
	60	440-480 Y	5.2 Y	3,0	-200	200	70	IE3		
3	50	220-240 △ / 380-420 Y	12.0 △/ 6.9Y	3,45	-280	300	68	IE3	38	2RB 610-1AQ26
	60	440-480 Y	6.7 Y	4,0	-290	290	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) Kilxon recommended for motor overload protection. Ordering example: 2RB 610-□□□□-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 η _f					
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							
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							
475-525 V Y			550-600 V Y			•		Q	3	
475-525 VΔ			550-600 VΔ							
220-240 VΔ / 380-420 V Y			440-480VY			•		Q	6	
400 VΔ / 690 V Y			460 VΔ							

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