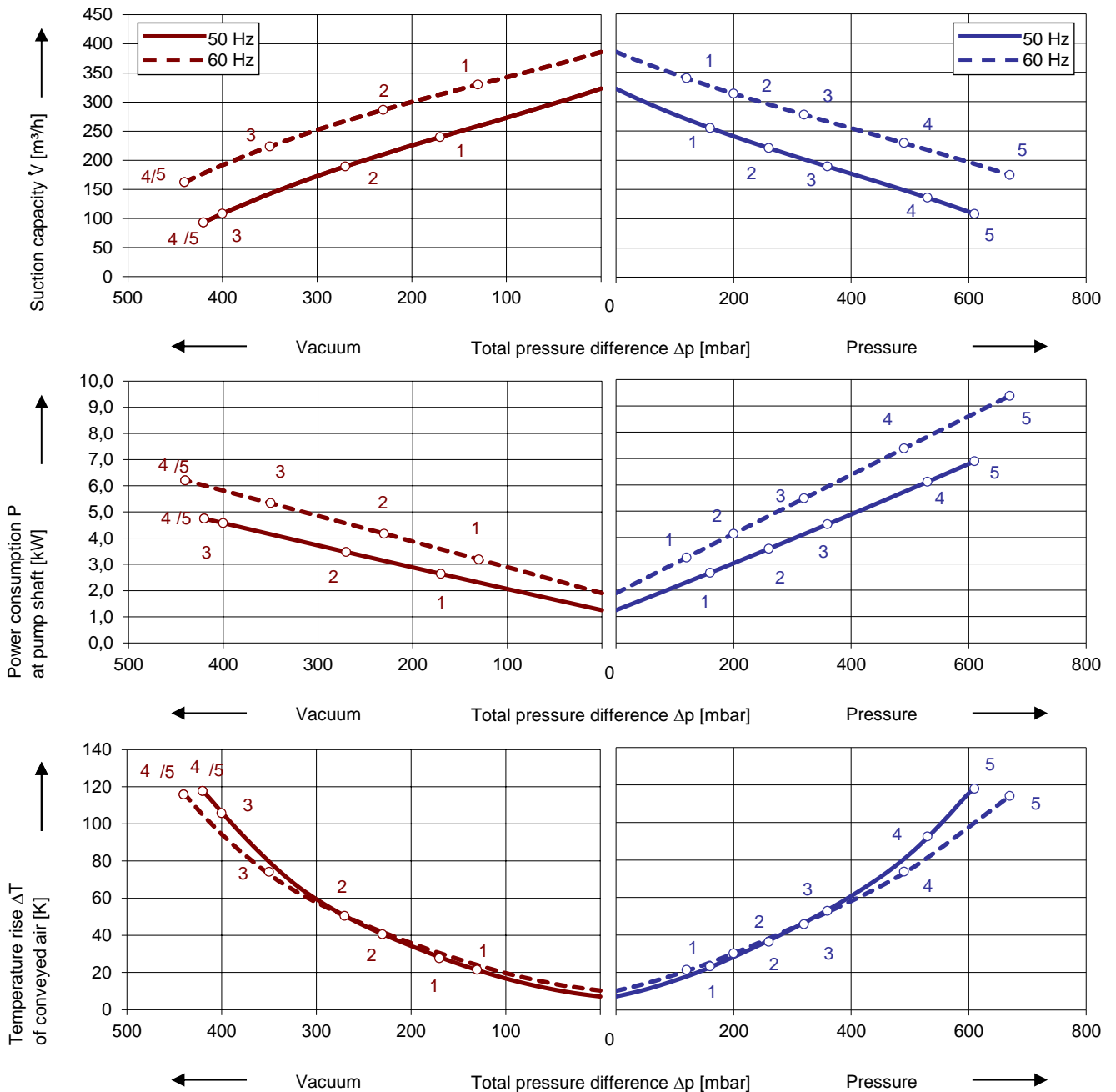


Performance curves

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 720										
No.	Fre- quency	Rated			Max. differential pressure ²⁾		Sound pres. Level ³⁾ dB(A)	Efficiency class ⁴⁾	Weight approx. kg	Order No.
		Voltage ¹⁾	Current	Power	Vacuum	Pressure				
IE3 3~ 50/60 Hz, IP55, Insulation material class F										
1	50	190-210 Δ	9,9 Δ	2,5	-170	160	69	IE3	53	2RB 720-1HP11
	60	190-210 YY / 380-420 Y	12,0 YY/6,0 Y	3,0	-130	120	73	IE3		
2	50	190-210 Δ	13,3 Δ	3,45	-270	260	75	IE3	58	2RB 720-1HP21
	60	190-210 YY / 380-420 Y	15,2 YY/7,6 Y	4,0	-230	200	73	IE3		
3	50	190-210 Δ	17,1 Δ	4,6	-400	360	67	IE3	65	2RB 720-1HP31
	60	190-210 YY / 380-420 Y	19,6 YY/9,8 Y	5,3	-350	320	71	IE3		
4	50	190-210 Δ	23,5 Δ	6,3	-420	530	71	IE3	73	2RB 720-1HP41
	60	190-210 YY / 380-420 Y	27,6 YY/13,8 Y	7,3	-440	490	75	IE3		
5	50	190-210 Δ	30,8 Δ	8,6	-420	610	71	IE3	85	2RB 720-1HP51
	60	190-210 YY / 380-420 Y	35,2 YY/17,6 Y	9,9	-440	670	75	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F										
1	50	220-240 Δ / 380-420 Y	8,6 Δ / 5,0 Y	2,5	-170	160	69	IE3	53	2RB 720-1HP16
	60	220-240 YY / 440-480 Y	10,4 YY/5,2 Y	3,0	-130	120	73	IE3		
2	50	220-240 Δ / 380-420 Y	11,6 Δ / 6,7 Y	3,45	-270	260	75	IE3	58	2RB 720-1HP26
	60	220-240 YY / 440-480 Y	13,2 YY/6,6 Y	4,0	-230	200	73	IE3		
3	50	220-240 Δ / 380-420 Y	14,9 Δ / 8,6 Y	4,6	-400	360	67	IE3	65	2RB 720-1HP36
	60	220-240 YY / 440-480 Y	17,0 YY/8,5 Y	5,3	-350	320	71	IE3		
4	50	220-240 Δ / 380-420 Y	20,4 Δ / 11,8 Y	6,3	-420	530	71	IE3	73	2RB 720-1HP46
	60	220-240 YY / 440-480 Y	24,0 YY/12,0 Y	7,3	-440	490	75	IE3		
5	50	220-240 Δ / 380-420 Y	26,8 Δ / 15,5 Y	8,6	-420	610	71	IE3	85	2RB 720-1HP56
	60	220-240 YY / 440-480 Y	30,6 YY/15,3 Y	9,9	-440	670	75	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F										
1	50	220-240 Δ / 380-420 Y	8,6 Δ / 5,0 Y	2,5	-170	160	69	IE3	53	2RB 720-1HQ16
	60	440-480 Y	5,2 Y	3,0	-130	120	73	IE3		
2	50	220-240 Δ / 380-420 Y	11,6 Δ / 6,7 Y	3,45	-270	260	75	IE3	58	2RB 720-1HQ26
	60	440-480 Y	6,6 Y	4,0	-230	200	73	IE3		
3	50	380-420 Δ / 660-725 Y	8,6 Δ / 5,0 Y	4,6	-400	360	67	IE3	65	2RB 720-1HQ37
	60	440-480 Δ	8,5 Δ	5,3	-350	320	71	IE3		
4	50	380-420 Δ / 660-725 Y	11,8 Δ / 6,8 Y	6,3	-420	530	71	IE3	75	2RB 720-1HQ47
	60	440-480 Δ	12,0 Δ	7,3	-440	490	75	IE3		
5	50	380-420 Δ / 660-725 Y	15,5 Δ / 8,9 Y	8,6	-420	610	71	IE3	87	2RB 720-1HQ57
	60	440-480 Δ	15,3 Δ	9,9	-440	670	75	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.

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 _s	60 Hz	2RB ...-1. □ . □
50 Hz	60Hz			
3~				
200 V Δ	200 V YY / 230 V Δ / 400 VY		•	P 1
190-210 V Δ	190-210 VYY / 220-240 V Δ / 380-420VY		•	
200 V YY / 230 V Δ / 400 VY	230 V YY / 460 VY		•	P 6
190-210 VYY / 220-240 V Δ / 380-420VY	220-240 VYY / 440-480VY		•	
475-525 V Y	550-600 V Y		•	Q 3
475-525 V Δ	550-600 V Δ		•	Q 5
220-240 V Δ / 380-420 V Y	440-480VY		•	Q 6
400 V Δ / 690 V Y	460 V Δ		•	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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