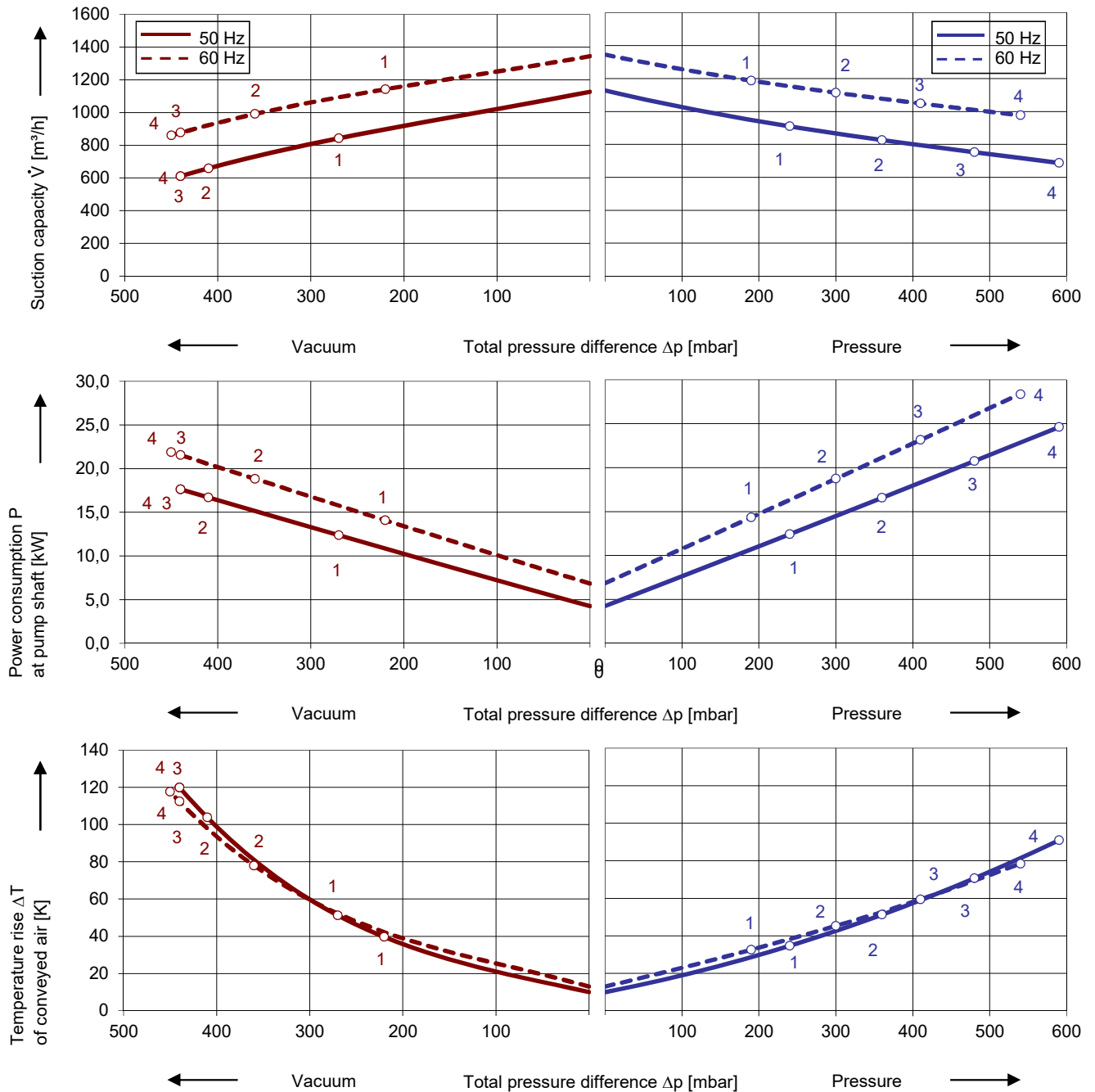


Performance curves

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 920

No.	Fre- quency Hz	Rated			Max. differential pressure ²⁾		Sound pres. Level ³⁾ dB(A)	Efficiency class ⁴⁾	Weight approx. kg	Order No.
		Voltage ¹⁾ V	Current A	Power kW	Vacuum mbar	Pressure				
IE3 3~ 50/60 Hz, IP55, Insulation material class F (UL certificate number E481218)										
1	50	190-210△	46,4△	12,6	-270	240	72	IE3	196	2RB 920-1HP11
	60	190-210 YY / 380-420 Y	52,8 YY/ 26,4 Y	14,5	-220	190	76	IE3		
2	50	190-210△	63,1△	17,3	-410	360	72	IE3	205	2RB 920-1HP21
	60	190-210 YY / 380-420 Y	72,2 YY/ 36,1 Y	19,9	-380	380	76	IE3		
3	50	190-210△	76,2△	21,3	-440	480	72	IE3	218	2RB 920-1HP31
	60	190-210 YY / 380-420 Y	87,4YY/ 43,7 Y	24,5	-440	410	76	IE3		
4	50	190-210△	92,5△	25,3	-440	590	72	IE3	238	2RB 920-1HP41
	60	190-210 YY / 380-420 Y	107,0YY/ 53,5 Y	29,0	-450	540	76	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F (UL certificate number E481218)										
1	50	220-240 △ / 380-420 Y	40,3 △/ 23,3 Y	12,6	-270	240	72	IE3	196	2RB 920-1HP16
	60	220-240 YY / 440-480 Y	46,0 YY/ 23,0 Y	14,5	-220	190	76	IE3		
2	50	220-240 △ / 380-420 Y	54,9 △/ 31,7 Y	17,3	-410	360	72	IE3	205	2RB 920-1HP26
	60	220-240 YY / 440-480 Y	62,8 YY/ 31,4 Y	19,9	-380	380	76	IE3		
3	50	220-240 △ / 380-420 Y	66,3 △/ 38,3 Y	21,3	-440	480	72	IE3	218	2RB 920-1HP36
	60	220-240 YY / 440-480 Y	76,0 YY/ 38,0 Y	24,5	-440	410	76	IE3		
4	50	220-240 △ / 380-420 Y	80,5 △/ 46,5 Y	25,3	-440	590	72	IE3	238	2RB 920-1HP46
	60	220-240 YY / 440-480 Y	93,0 YY/ 46,5 Y	29,0	-450	540	76	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F (UL certificate number E481218)										
1	50	380-420 △ / 660-725 Y	23,3 △/ 13,4 Y	12,6	-270	240	72	IE3	196	2RB 920-1HQ17
	60	440-480△	23,0△	14,5	-220	190	76	IE3		
2	50	380-420 △ / 660-725 Y	31,7 △/ 18,3 Y	17,3	-410	360	72	IE3	205	2RB 920-1HQ27
	60	440-480△	31,4△	19,9	-380	380	76	IE3		
3	50	380-420 △ / 660-725 Y	38,3 △/ 22,1 Y	21,3	-440	480	72	IE3	218	2RB 920-1HQ37
	60	440-480△	38,0△	24,5	-440	410	76	IE3		
4	50	380-420 △ / 660-725 Y	46,5 △/ 26,8 Y	25,3	-440	590	72	IE3	238	2RB 920-1HQ47
	60	440-480△	46,5△	29,0	-450	540	76	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F (UL certificate number E481218)										
1	50	220-240 △ / 380-420 Y	40,3 △/ 23,3 Y	12,6	-270	240	72	IE3	196	2RB 920-1HQ16
	60	440-480 Y	23,0 Y	14,5	-220	190	76	IE3		
2	50	220-240 △ / 380-420 Y	54,9 △/ 31,7 Y	17,3	-410	360	72	IE3	205	2RB 920-1HQ26
	60	440-480 Y	31,4 Y	19,9	-380	380	76	IE3		
3	50	220-240 △ / 380-420 Y	66,3 △/ 38,3 Y	21,3	-440	480	72	IE3	218	2RB 920-1HQ36
	60	440-480 Y	38,0Y	24,5	-440	410	76	IE3		
4	50	220-240 △ / 380-420 Y	80,5△/ 46,5Y	25,3	-440	590	72	IE3	238	2RB 920-1HQ46
	60	440-480 Y	46,5Y	29,0	-450	540	76	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 920-□□□□-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.

Voltage range		Efficiency η _l	60 Hz	2RB ...-1. □ . □
50 Hz	60Hz			
3~				
200 VΔ	200 V YY / 230 VΔ / 400 VY	NEMA Premium IE3	•	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	NEMA Premium IE3	•	P 6
190-210 VYY / 220-240 VΔ / 380-420VY	220-240 VYY / 440-480VY			
475-525 V Y	550-600 V Y	NEMA Premium IE3	•	Q 3
475-525 VΔ	550-600 VΔ			
220-240 VΔ / 380-420 V Y	440-480VY	NEMA Premium IE3	•	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

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