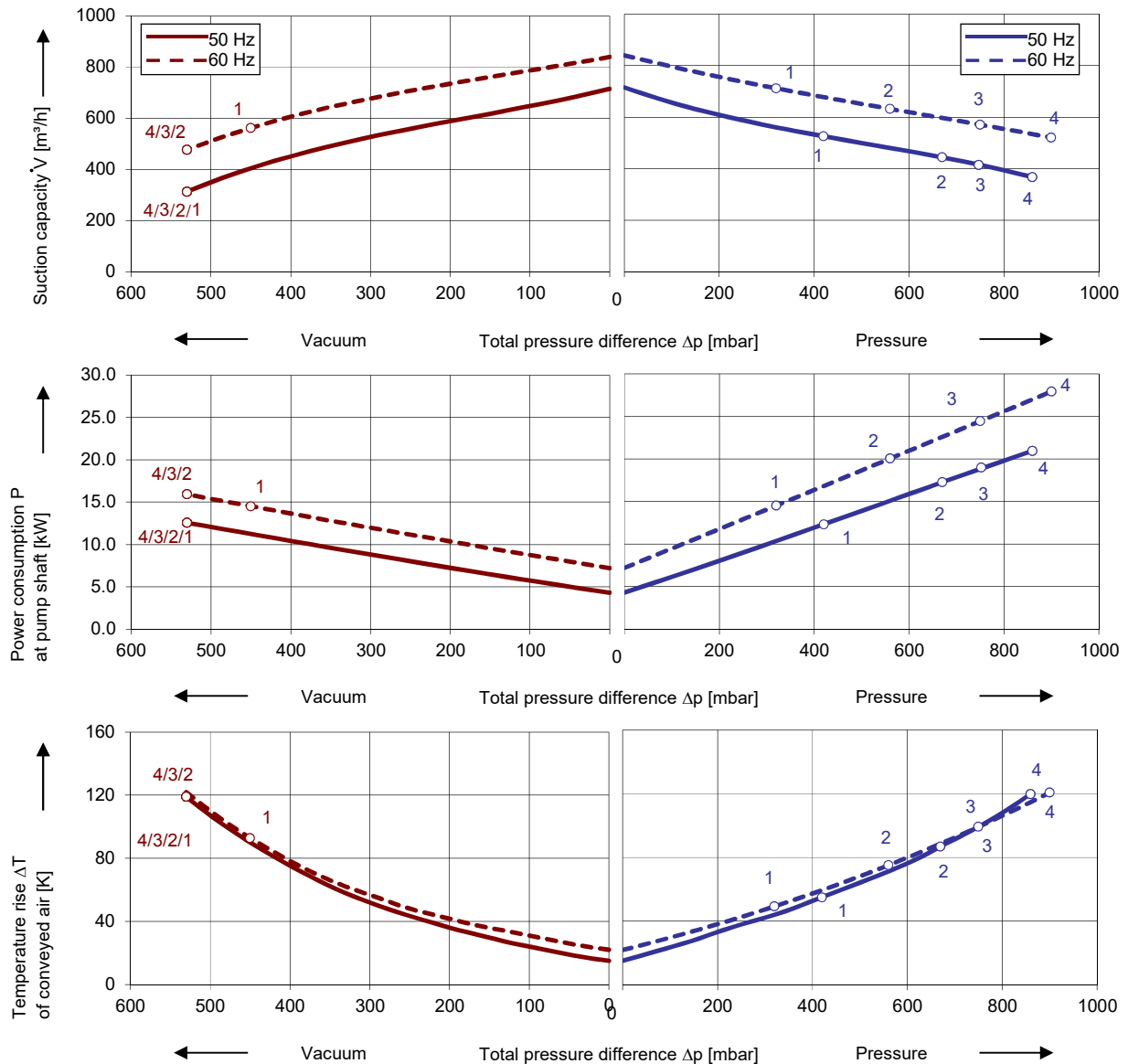


Performance curves

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 3RB 750-2											
No.	Fre- quency	Rated			Max. differential pressure ²⁾		Sound pr. level ³⁾	Efficiency ⁴⁾	Weight	Order No.	
		Voltage ¹⁾	Current	Power	Vacuum	Pressure					
		Hz	V	A	kW	mbar					
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)											
1	50	190-210 △	46.4 △	12,6	-530	420	71	IE3	190	3RB 750-2AAP61	
	60	190-210 YY / 380-420 Y	52.8 YY / 26.4 Y	14.5	-450	320	76	IE3			
	50	190-210 △	63.1 △	17,3	-530	670	71	IE3			
2	60	190-210 YY / 380-420 Y	72.2 YY / 36.1 Y	19.9	-530	560	76	IE3	200	3RB 750-2AAP71	
	50	190-210 △	76.2 △	21,3	-530	750	71	IE3			
3	60	190-210 YY / 380-420 Y	87.4 YY / 43.7 Y	24.5	-530	750	76	IE3	213	3RB 750-2AAP81	
	50	190-210 △	91.5 △	25,3	-530	860	71	IE3			
4	60	190-210 YY / 380-420 Y	103 YY / 51.5 Y	28.5	-530	900	76	IE3	260	3RB 750-2AAP91	
	50	190-210 △	91.5 △	25,3	-530	860	71	IE3			
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)											
1	50	220-240 △ / 380-420 Y	40.3 △/ 23.3Y	12,6	-530	420	71	IE3	190	3RB 750-2AAP66	
	60	220-240 YY / 440-480 Y	46.0YY/ 23.0 Y	14.5	-450	320	76	IE3			
2	50	220-240 △ / 380-420 Y	54.9 △/ 31.7Y	17.3	-530	670	71	IE3	200	3RB 750-2AAP76	
	60	220-240 YY / 440-480 Y	62.8YY/ 31.4 Y	19.9	-530	560	76	IE3			
3	50	220-240 △ / 380-420 Y	66.3 △/ 38.3Y	21,3	-530	750	71	IE3	213	3RB 750-2AAP86	
	60	220-240 YY / 440-480 Y	76.0YY/ 38.0Y	24.5	-530	750	76	IE3			
4	50	220-240 △ / 380-420 Y	79.5 △/ 46.0Y	25,3	-530	860	71	IE3	260	3RB 750-2AAP96	
	60	220-240 YY / 440-480 Y	90.0YY/ 45.0Y	28.5	-530	900	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 △/ 13.4Y	12,6	-530	420	71	IE3	190	3RB 750-2AAQ67	
	60	440-480 △	23.0 △	14.5	-450	320	76	IE3			
2	50	380-420 △ / 660-725 Y	31.7 △/ 18.3Y	17,3	-530	670	71	IE3	200	3RB 750-2AAQ77	
	60	440-480 △	31.4 △	19,9	-530	560	76	IE3			
3	50	380-420 △ / 660-725 Y	38.3 △/ 22.1Y	21,3	-530	750	71	IE3	213	3RB 750-2AAQ87	
	60	440-480 △	38,0 △	24,5	-530	750	76	IE3			
4	50	380-420 △ / 660-725 Y	46,0 △/ 26.5Y	25,3	-530	860	71	IE3	260	3RB 750-2AAQ97	
	60	440-480 △	45,0 △	28,5	-530	900	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 △/ 23.3Y	12,6	-530	420	71	IE3	190	3RB 750-2AAQ66	
	60	440-480 Y	23.0 Y	14.5	-450	320	76	IE3			
2	50	220-240 △ / 380-420 Y	54.9 △/ 31.7Y	12,6	-530	670	71	IE3	200	3RB 750-2AAQ76	
	60	440-480 Y	31.4 Y	14.5	-530	560	76	IE3			
3	50	220-240 △ / 380-420 Y	66.3 △/ 38.3Y	21,3	-530	750	71	IE3	213	3RB 750-2AAQ86	
	60	440-480 Y	38,0Y	24,5	-530	750	76	IE3			
4	50	220-240 △ / 380-420 Y	79.7 △/ 46.0Y	25,3	-530	860	71	IE3	260	3RB 750-2AAQ96	
	60	440-480 Y	45,0 Y	28,5	-530	900	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.

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	3RB-2	□	.	□
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					
475-525 V Y		550-600 V Y			•		Q		3
475-525 VΔ		550-600 VΔ							
220-240 VΔ / 380-420 V Y		440-480V Y		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