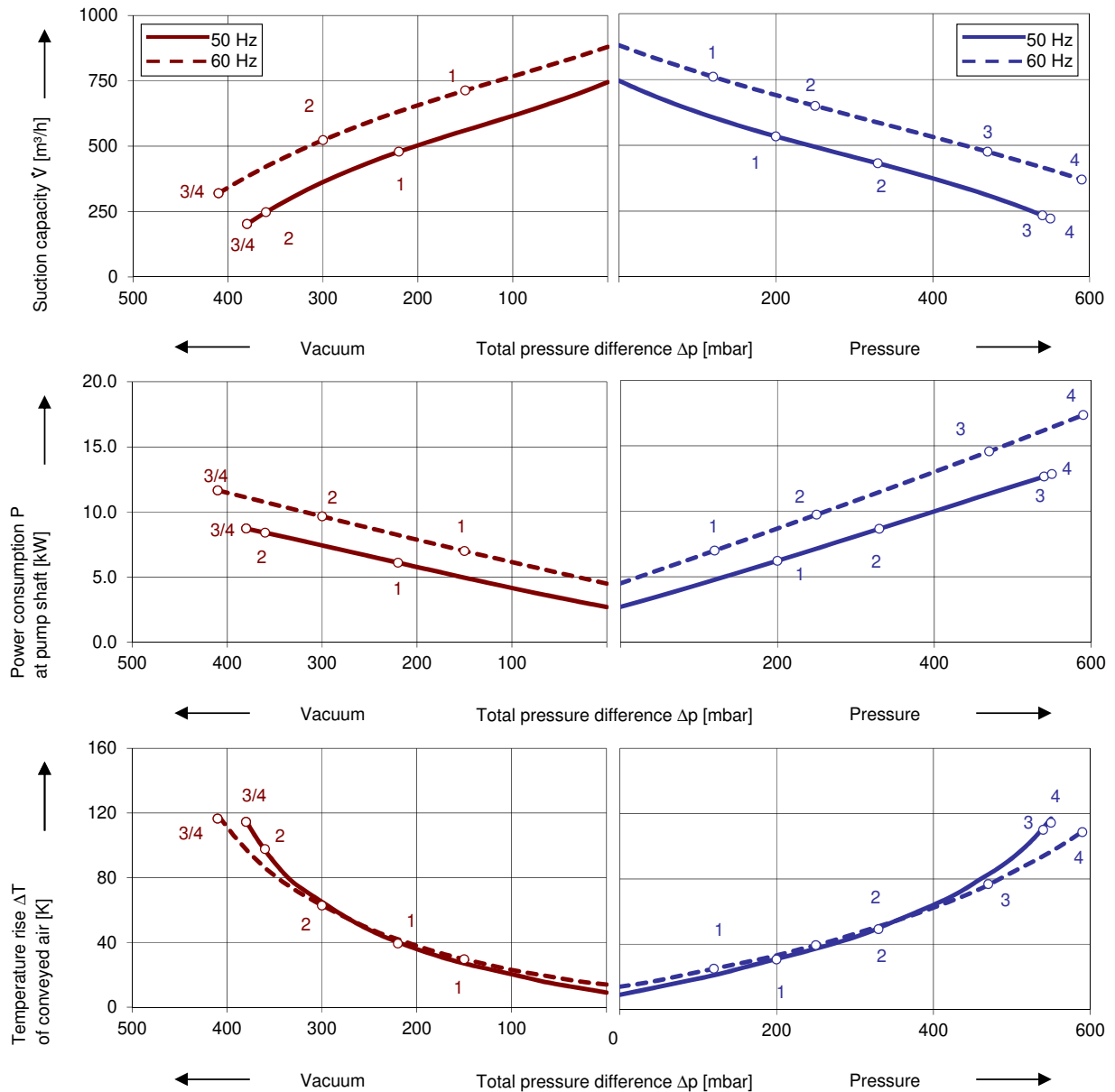


Performance curves

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 750-1											
No.	Fre- quency	Rated			Max. differential pressure ²⁾		Sound pr. level ³⁾	Efficiency ⁴⁾	Weight Approx. kg	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 △	23,5 △	6,3	-220	200	70	IE3	120	3RB 750-1AAP41	
	60	190-210 YY / 380-420 Y	27,6 YY / 13,8 Y	7,3	-150	120	75	IE3			
2	50	190-210 △	30,8 △	8,6	-360	330	70	IE3	132	3RB 750-1AAP51	
	60	190-210 YY / 380-420 Y	35,2 YY / 17,6 Y	9,9	-300	250	75	IE3			
3	50	190-210 △	46,4 △	12,6	-380	540	70	IE3	150	3RB 750-1AAP61	
	60	190-210 YY / 380-420 Y	52,8 YY / 26,4 Y	14,5	-410	470	75	IE3			
4	50	190-210 △	63,1 △	17,3	-380	550	70	IE3	159	3RB 750-1AAP71	
	60	190-210 YY / 380-420 Y	72,2 YY / 36,1 Y	19,9	-410	590	75	IE3			
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)											
1	50	220-240 △ / 380-420 Y	20,4△/ 11,8Y	6,3	-220	200	70	IE3	120	3RB 750-1AAP46	
	60	220-240 YY / 440-480 Y	24,0YY/ 12,0Y	7,3	-150	120	75	IE3			
2	50	220-240 △ / 380-420 Y	26,8 △/ 15,5Y	8,6	-360	330	70	IE3	132	3RB 750-1AAP56	
	60	220-240 YY / 440-480 Y	30,6YY/ 15,3 Y	9,9	-300	250	75	IE3			
3	50	220-240 △ / 380-420 Y	40,3△/ 23,3Y	12,6	-380	540	70	IE3	150	3RB 750-1AAP66	
	60	220-240 YY / 440-480 Y	46,0YY/ 23,0 Y	14,5	-410	470	75	IE3			
4	50	220-240 △ / 380-420 Y	54,9△/ 31,7Y	17,3	-380	550	70	IE3	159	3RB 750-1AAP76	
	60	220-240 YY / 440-480 Y	62,8YY/ 31,4 Y	19,9	-410	590	75	IE3			
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)											
1	50	380-420 △ / 660-725 Y	11,8△/ 6,8Y	6,3	-220	200	70	IE3	120	3RB 750-1AAQ47	
	60	440-480 △	12,0△	7,3	-150	120	75	IE3			
2	50	380-420 △ / 660-725 Y	15,5△/ 8,9Y	8,6	-360	330	70	IE3	132	3RB 750-1AAQ57	
	60	440-480 △	15,3△	9,9	-300	250	75	IE3			
3	50	380-420 △ / 660-725 Y	23,3△/ 13,4Y	12,6	-380	540	70	IE3	150	3RB 750-1AAQ67	
	60	440-480 △	23,0△	14,5	-410	470	75	IE3			
4	50	380-420 △ / 660-725 Y	31,7△/ 18,3Y	17,3	-380	550	70	IE3	159	3RB 750-1AAQ77	
	60	440-480 △	31,4△	19,9	-410	590	75	IE3			
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)											
1	50	220-240 △ / 380-420 Y	20,4△/ 11,8Y	6,3	-220	200	70	IE3	120	3RB 750-1AAQ46	
	60	440-480 Y	12,0Y	7,3	-150	120	75	IE3			
2	50	220-240 △ / 380-420 Y	26,8 △/ 15,5Y	8,6	-360	330	70	IE3	132	3RB 750-1AAQ56	
	60	440-480 Y	15,3 Y	9,9	-300	250	75	IE3			
3	50	220-240 △ / 380-420 Y	40,3 △/ 23,3Y	12,6	-380	540	70	IE3	150	3RB 750-1AAQ66	
	60	440-480 Y	23,0 Y	14,5	-410	470	75	IE3			
4	50	220-240 △ / 380-420 Y	54,9 △/ 31,7Y	12,6	-380	550	70	IE3	159	3RB 750-1AAQ76	
	60	440-480 Y	31,4 Y	14,5	-410	590	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				
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		•		P	1
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		•		P	6
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	440-480V Y		•		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