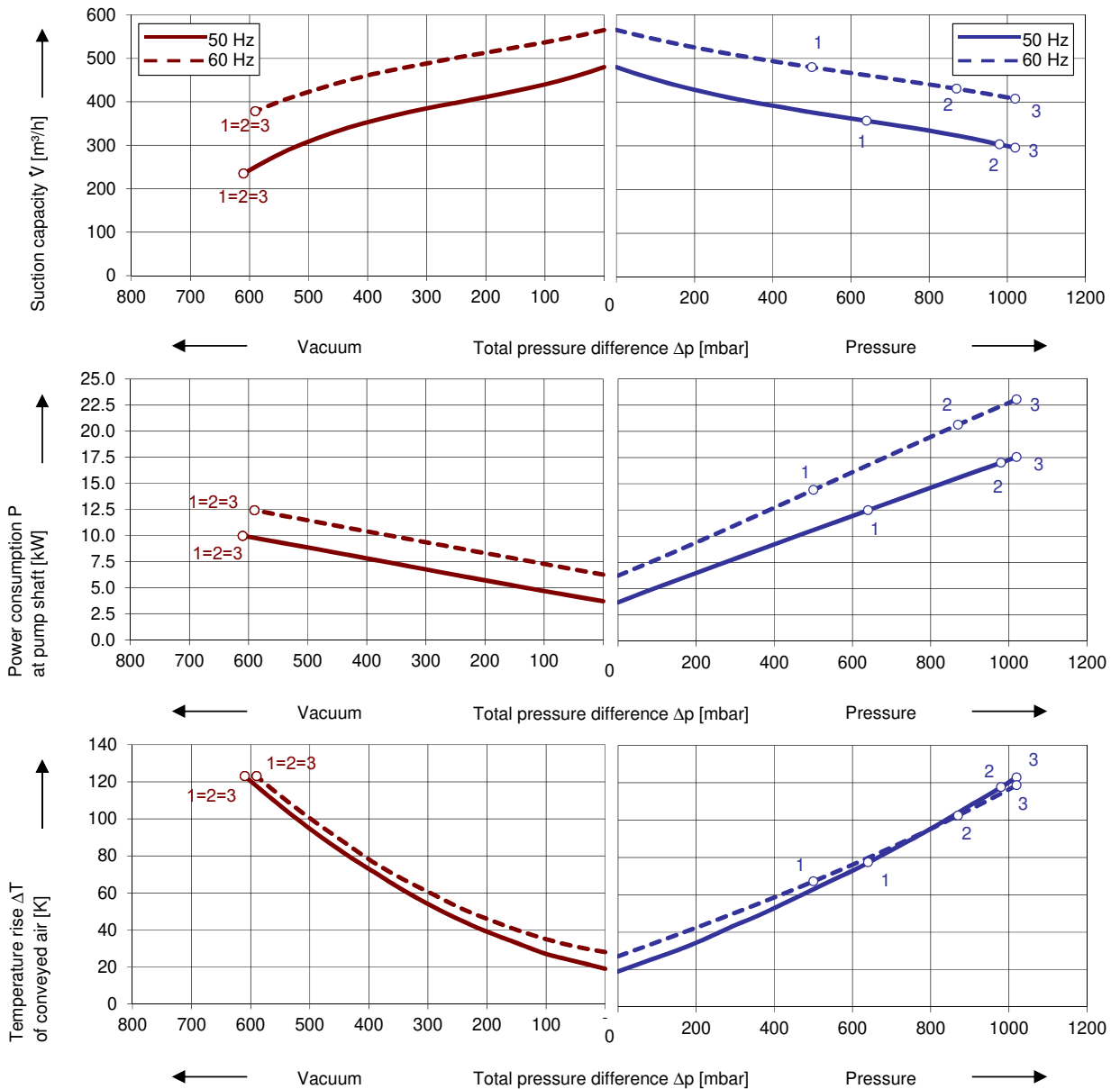


Performance curves

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 ± 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 550-3

No.	Fre- quency Hz	Rated			Max. differential pressure ²⁾		Sound pr. level ³⁾ dB(A)	Efficiency ⁴⁾	Weight Approx kg	Order No.
		Voltage ¹⁾	Current	Power	Vacuum	Pressure				
		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	-610	640	70	IE3	180	3RB 550-3AAP61
	60	190-210 YY/ 380-420 Y	52,8 YY / 26,4 Y	14.5	-590	500	75	IE3		
2	50	190-210△	63,1△	17.3	-610	980	70	IE3	190	3RB 550-3AAP71
	60	190-210 YY/ 380-420 Y	72,2YY / 36,1 Y	19.9	-590	870	75	IE3		
3	50	190-210△	76,2△	21.3	-610	1020	70	IE3	202	3RB 550-3AAP81
	60	190-210 YY/ 380-420 Y	87,4YY / 43,7 Y	24.5	-590	1020	75	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	-610	640	70	IE3	180	3RB 550-3AAP66
	60	220-240YY / 440-480 Y	46,0 YY / 23,0 Y	14.5	-590	500	75	IE3		
2	50	220-240△ / 380-420 Y	54,9△ / 31,7 Y	17.3	-610	980	70	IE3	190	3RB 550-3AAP76
	60	220-240YY / 440-480 Y	62,8 YY / 31,4 Y	19.9	-590	870	75	IE3		
3	50	220-240△ / 380-420 Y	66,3△ / 38,3Y	21.3	-610	1020	70	IE3	202	3RB 550-3AAP86
	60	220-240YY / 440-480 Y	76,0 YY / 38,0Y	24.5	-590	1020	75	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	-610	640	70	IE3	180	3RB 550-3AAQ67
	60	440-480△	23,0△	14.5	-590	500	75	IE3		
2	50	380-420△ / 660-725 Y	31,7 △ / 18,3Y	17.3	-610	980	70	IE3	190	3RB 550-3AAQ77
	60	440-480△	31,4△	19.9	-590	870	75	IE3		
3	50	380-420△ / 660-725 Y	38,3 △ / 22,1Y	21.3	-610	1020	70	IE3	202	3RB 550-3AAQ87
	60	440-480△	38,0△	24.5	-590	1020	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 GREENCO 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 ⁴⁾	60 Hz	3 RB ...-3.	□	□	□
50 Hz	60Hz						
3~							
200 V△	200 V YY / 230 V△ / 400 VY	NEMA Premium IE3	•	P	□	□	1
190-210 V△	190-210 VYY / 220-240 V△ / 380-420VY						
200 V YY / 230 V△ / 400 VY	230 V YY / 460 VY	NEMA Premium IE3	•	P	□	□	6
190-210 VYY / 220-240 V△ / 380-420VY	220-240 VYY / 440-480VY						
475-525 V Y	550-600 V Y	NEMA Premium IE3	•	Q	□	□	3
475-525 V△	550-600 V△						
220-240 V△ / 380-420VY	440-480VY	NEMA Premium IE3	•	Q	□	□	6
400 V△ / 690 V Y	460 V△						
		NEMA Premium	•	Q	□	□	7

Changes in particular of the quoted performance curve, data and weights may occur without prior notice. The data given do not constitute an obligation from our side to deliver as shown.