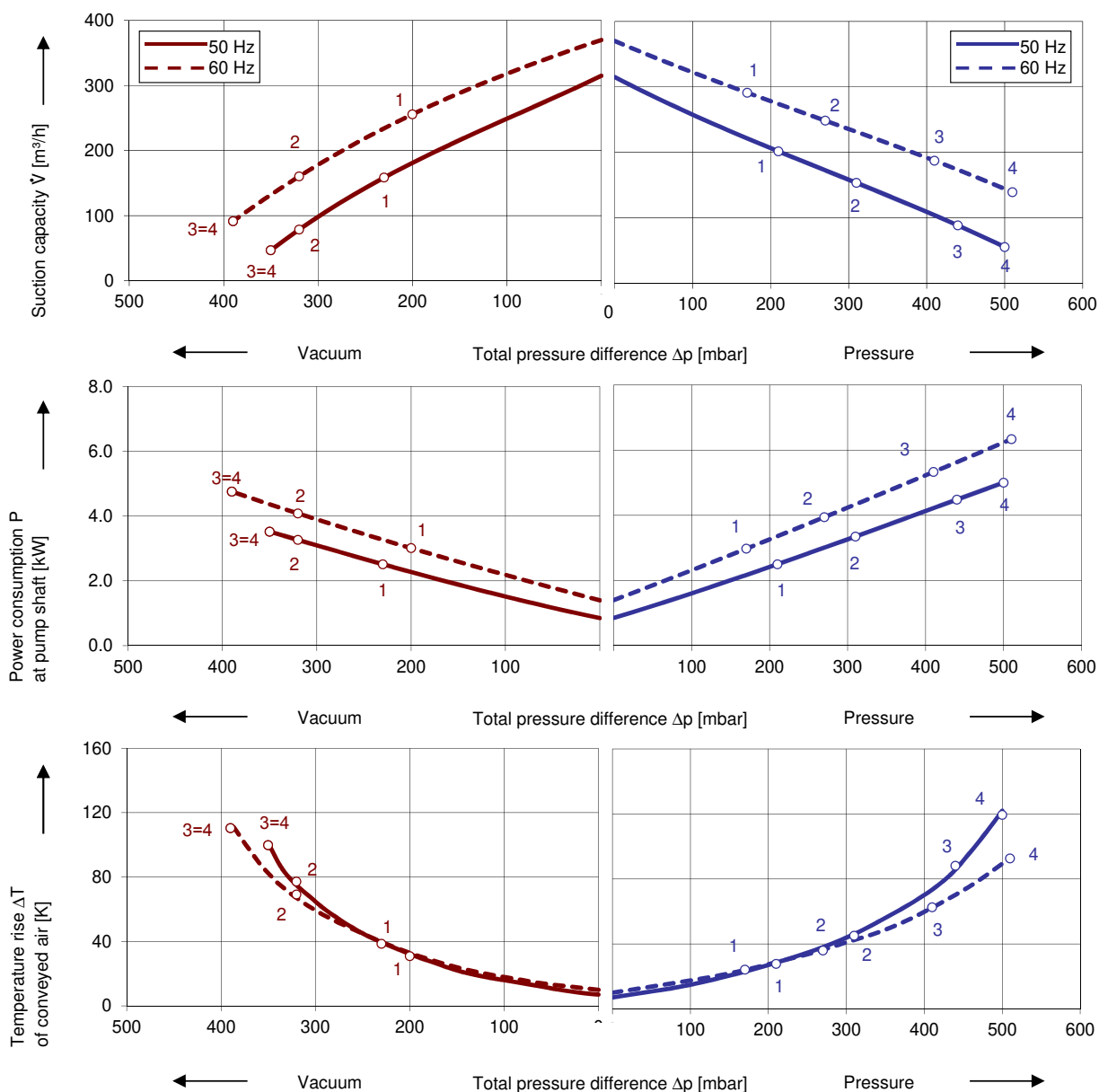


Performance curves

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 350-1										
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 Δ	9,9 Δ	2,5	-230	210	64	IE3	56	3RB 350-1AAP11
	60	190-210 YY / 380-420 Y	12,0YY / 6,0 Y	3,0	-200	170	67	IE3		
2	50	190-210 Δ	13,3 Δ	3,45	-320	310	70	IE3	61	3RB 350-1AAP21
	60	190-210 YY / 380-420 Y	15,2 YY / 7,6 Y	4,0	-320	270	72	IE3		
3	50	190-210 Δ	17,1 Δ	4,6	-350	440	71	IE3	68	3RB 350-1AAP31
	60	190-210 YY / 380-420 Y	19,6 YY / 9,8 Y	5,3	-390	410	75	IE3		
4	50	190-210 Δ	23,5 Δ	6,3	-350	500	71	IE3	76	3RB 350-1AAP41
	60	190-210 YY / 380-420 Y	27,6 YY / 13,8 Y	7,3	-390	510	75	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)										
1	50	220-240 Δ / 380-420 Y	8,6 Δ / 5,0Y	2,5	-230	210	64	IE3	56	3RB 350-1AAP16
	60	220-240 YY / 440-480 Y	10,4 YY / 5,2 Y	3,0	-200	170	67	IE3		
2	50	220-240 Δ / 380-420 Y	12,0 Δ / 6,9Y	3,45	-320	310	70	IE3	61	3RB 350-1AAP26
	60	220-240 YY / 440-480 Y	13,4 YY / 6,7 Y	4,0	-320	270	72	IE3		
3	50	220-240 Δ / 380-420 Y	14,9 Δ / 8,6Y	4,6	-350	440	71	IE3	68	3RB 350-1AAP36
	60	220-240 YY / 440-480 Y	17,0 YY / 8,5 Y	5,3	-390	410	75	IE3		
4	50	220-240 Δ / 380-420 Y	20,4 Δ / 11,8Y	6,3	-350	500	71	IE3	76	3RB 350-1AAP46
	60	220-240 YY / 440-480 Y	24,0YY / 12,0Y	7,3	-390	510	75	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)										
1	50	380-420 Δ / 660-725 Y	5,0 Δ / 2,9Y	2,5	-230	210	64	IE3	56	3RB 350-1AAQ17
	60	440-480 Δ	5,2 Δ	3,0	-200	170	67	IE3		
2	50	380-420 Δ / 660-725 Y	6,9 Δ / 4,0Y	3,45	-320	310	70	IE3	61	3RB 350-1AAQ27
	60	440-480 Δ	6,70 Δ	4,0	-320	270	72	IE3		
3	50	380-420 Δ / 660-725 Y	8,6 Δ / 5,0Y	4,6	-350	440	71	IE3	68	3RB 350-1AAQ37
	60	440-480 Δ	8,50 Δ	5,3	-390	410	75	IE3		
4	50	380-420 Δ / 660-725 Y	11,8 Δ / 6,8Y	6,3	-350	500	71	IE3	76	3RB 350-1AAQ47
	60	440-480 Δ	12,0 Δ	7,3	-390	510	75	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)										
1	50	220-240 Δ / 380-420 Y	8,6 Δ / 5,0Y	2,5	-230	210	64	IE3	56	3RB 350-1AAQ16
	60	440-480 Y	5,2 Y	3,0	-200	170	67	IE3		
2	50	220-240 Δ / 380-420 Y	11,6 Δ / 6,7Y	3,45	-320	310	70	IE3	61	3RB 350-1AAQ26
	60	440-480 Y	6,6 Y	4,0	-320	270	72	IE3		
3	50	220-240 Δ / 380-420 Y	14,9 Δ / 8,6Y	4,6	-350	440	71	IE3	68	3RB 350-1AAQ36
	60	440-480 Y	8,5 Y	5,3	-390	410	75	IE3		
4	50	220-240 Δ / 380-420 Y	20,4 Δ / 11,8Y	6,3	-350	500	71	IE3	76	3RB 350-1AAQ46
	60	440-480 Y	12,0Y	7,3	-390	510	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 ⁴⁾	
50 Hz	60Hz			60 Hz	3RB ...-1 □ . □
3~					
200 VΔ	200 V YY / 230 VΔ / 400 VY	NEMA Premium	•		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	NEMA Premium	•		P 6
190-210 VYY / 220-240 VΔ / 380-420VY	220-240 VYY / 440-480VY	IE3	•		
475-525 V Y	550-600 V Y	NEMA Premium	•		Q 3
475-525 VΔ	550-600 VΔ	NEMA Premium	•		Q 5
220-240 VΔ / 380-420 V Y	440-480V Y	IE3	•		Q 6
400 VΔ / 690 V Y	460 VΔ	NEMA Premium	•		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