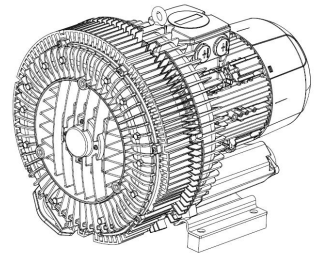


Data sheet 2RB 740

Side channel blower with IE3-motors

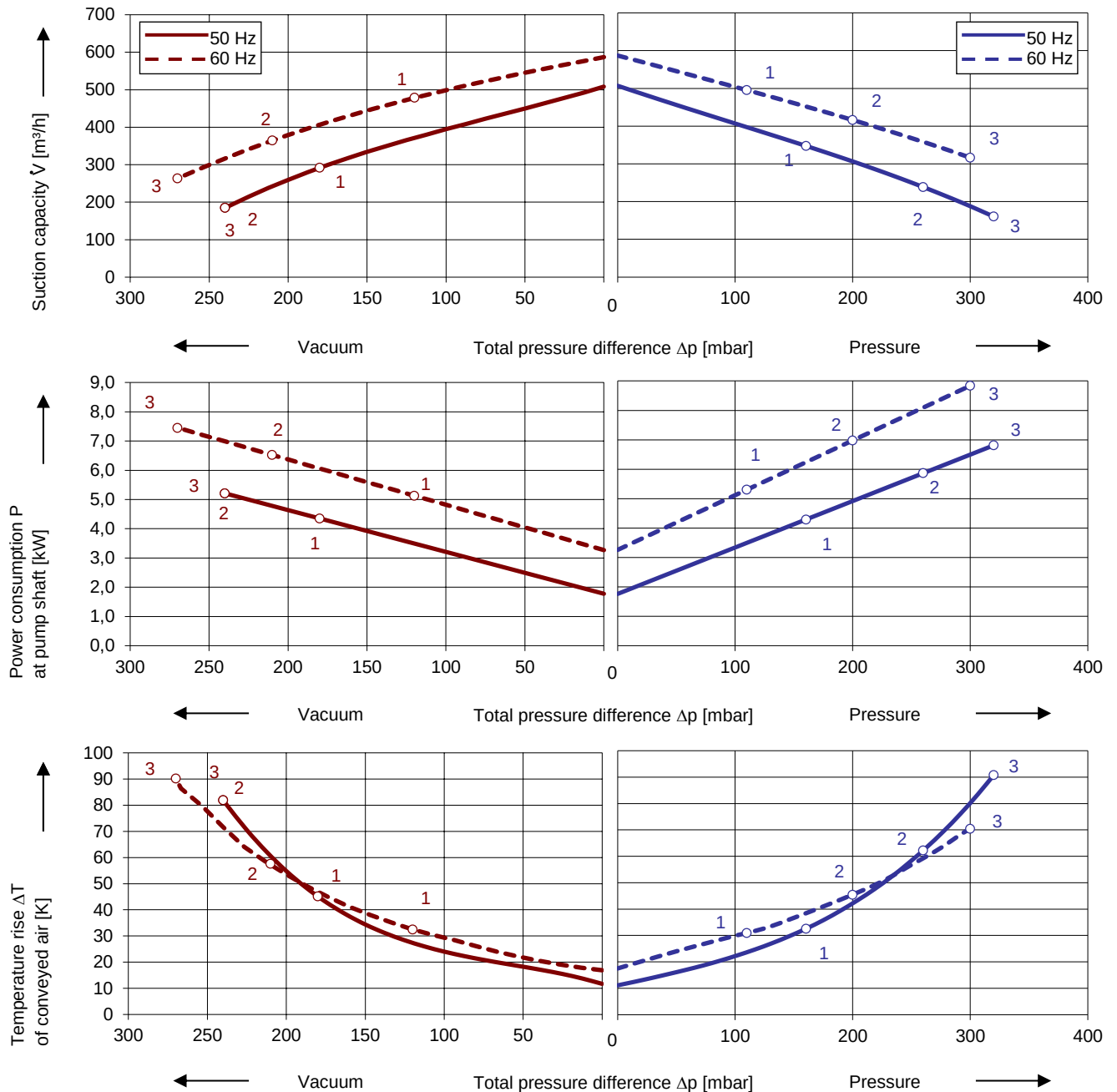
IE3



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 740

No.	Fre- quency	Rated			Max. differential pressure ²⁾		Sound pres. Level ³⁾	Efficiency class ⁴⁾	Weight approx.	Order No.
		Voltage ¹⁾	Current	Power	Vacuum	Pressure				
		Hz	V	A	kW	mbar				
IE3 3~ 50/60 Hz, IP55, Insulation material class F										
1	50	190-210△	17.1 △	4,6	-180	160	71	IE3	58	2RB 740-1GP31
	60	190-210 YY / 380-420 Y	19.6 YY / 9.8 Y	5,3	-130	120	75	IE3		
2	50	190-210△	23.5 △	6,3	-240	260	71	IE3	75	2RB 740-1GP41
	60	190-210 YY / 380-420 Y	27.6 YY / 13.8 Y	7,3	-210	200	75	IE3		
3	50	190-210△	30.8 △	8,6	-240	320	71	IE3	88	2RB 740-1GP51
	60	190-210 YY / 380-420 Y	35.2 YY / 17.6 Y	9,9	-270	300	75	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F										
1	50	220-240 △ / 380-420 Y	14,9 △/ 8,6Y	4,6	-180	160	71	IE3	58	2RB 740-1GP36
	60	220-240 YY / 440-480 Y	17,0 YY/ 8,5 Y	5,3	-130	120	75	IE3		
2	50	220-240 △ / 380-420 Y	20,4 △/ 11,8Y	6,3	-240	260	71	IE3	75	2RB 740-1GP46
	60	220-240 YY / 440-480 Y	24,0 YY/ 12,0 Y	7,3	-210	200	75	IE3		
3	50	220-240 △ / 380-420 Y	26,8 △/ 15,5Y	8,6	-240	320	71	IE3	88	2RB 740-1GP56
	60	220-240 YY / 440-480 Y	30,6 YY/ 15,3Y	9,9	-270	300	75	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F										
1	50	380-420 △ / 660-725 Y	8,6△/ 5,0Y	4,6	-180	160	71	IE3	58	2RB 740-1GQ37
	60	440-480 △	8,5 △	5,3	-130	120	75	IE3		
2	50	380-420 △ / 660-725 Y	11,8△/ 6,8Y	6,3	-240	260	71	IE3	75	2RB 740-1GQ47
	60	440-480 △	12,0△	7,3	-210	200	75	IE3		
3	50	380-420 △ / 660-725 Y	15,5△/ 8,9Y	8,6	-240	320	71	IE3	88	2RB 740-1GQ57
	60	440-480 △	15,3△	9,9	-270	300	75	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F										
1	50	475-525 Y	6,9 Y	4,6	-180	160	71	IE3	58	2RB 740-1GQ33
	60	550-600 Y	6,8 Y	5,3	-130	120	75	IE3		
2	50	475-525 Y	9,5 Y	6,3	-240	260	71	IE3	75	2RB 740-1GQ43
	60	550-600 Y	9,6Y	7,3	-210	200	75	IE3		
3	50	475-525 Y	12,4Y	8,6	-240	320	71	IE3	88	2RB 740-1GQ53
	60	550-600 Y	12,2Y	9,9	-270	300	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.

Motor for alternate voltages

Voltage range		Efficiency ⁴⁾	60 Hz	2 RB ...-1. □ . □		
50 Hz	60Hz					
3~						
200 V Δ	200 V YY / 230 V Δ / 400 VY		•		P	1
190-210 V Δ	190-210 VYY / 220-240 V Δ / 380-420VY					
200 V YY / 230 V Δ / 400 VY	230 V YY / 460 VY		•		P	6
190-210 VYY / 220-240 V Δ / 380-420VY	220-240 VYY / 440-480VY					
475-525 V Y	550-600 V Y		•		Q	3
475-525 V Δ	550-600 V Δ		•		Q	5
220-240 V Δ / 380-420VY	440-480VY		•		Q	6
400 V Δ / 690 V Y	460 V Δ		•		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.