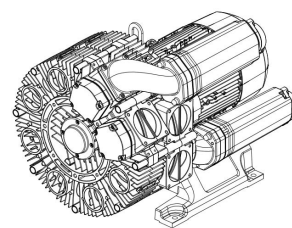


Data sheet 3RB 250-2

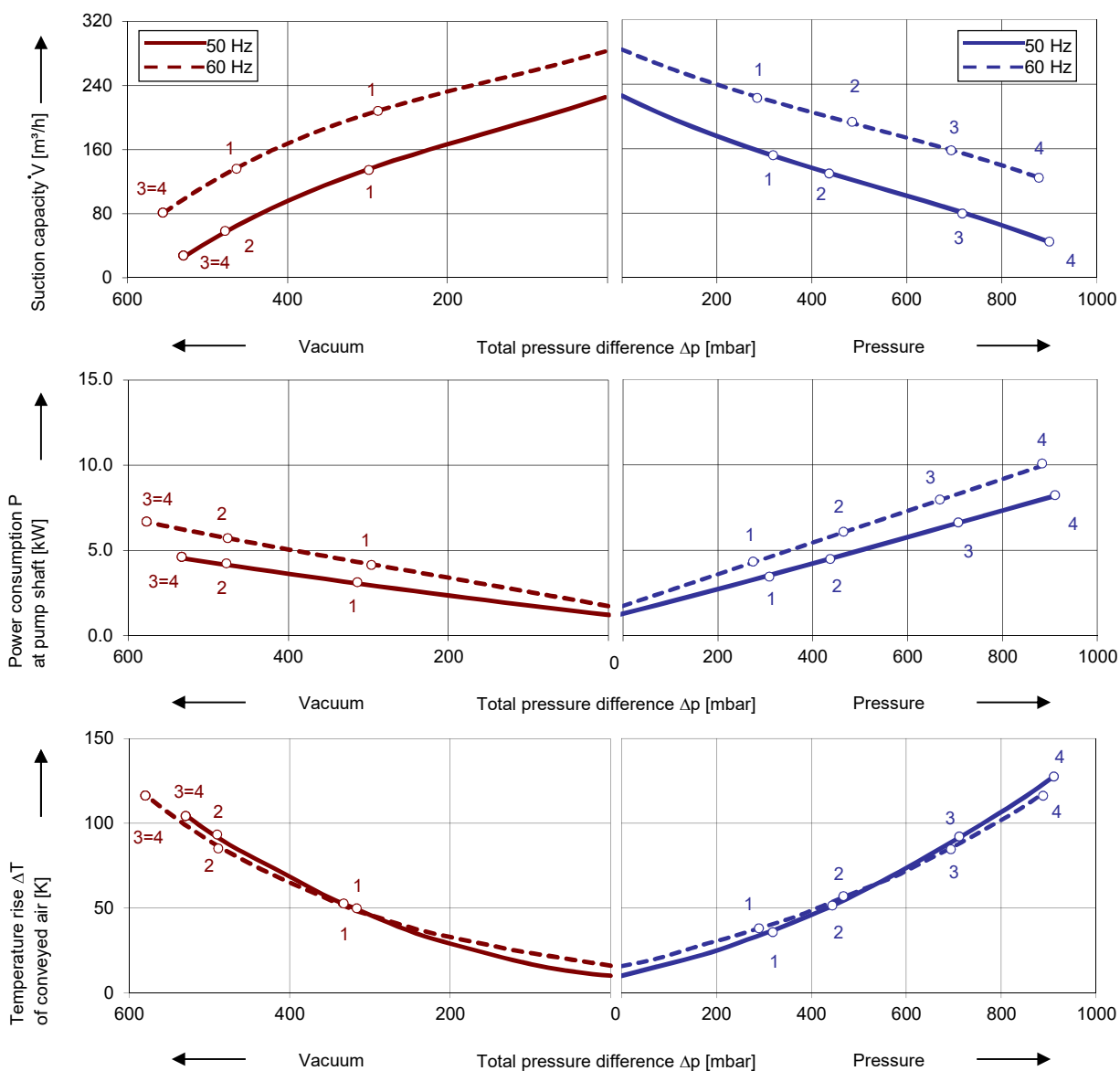
Side channel blower with IE3-motors



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 250-2											
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 △	13,3 △	3,45	-300	260	62	IE3	62	3RB 250-2AAP21	
	60	190-210 YY / 380-420 Y	15,2 YY / 7,6 Y	4,0	-280	250	67	IE3			
2	50	190-210 △	17,1 △	4,6	-480	420	62	IE3	68	3RB 250-2AAP31	
	60	190-210 YY / 380-420 Y	19,6 YY / 9,8 Y	5,3	-460	460	67	IE3			
3	50	190-210 △	23,5 △	6,3	-530	720	62	IE3	78	3RB 250-2AAP41	
	60	190-210 YY / 380-420 Y	27,6 YY / 13,8 Y	7,3	-580	700	67	IE3			
4	50	190-210 △	30,8 △	8,6	-530	900	62	IE3	84	3RB 250-2AAP51	
	60	190-210 YY / 380-420 Y	35,2 YY / 17,6 Y	9,9	-580	880	67	IE3			
IE3 3~ 50/60 Hz, IP55, Insulation material class F (UL certificate number E481218)											
1	50	220-240 △ / 380-420 Y	11,6 △/ 6,7Y	3,45	-300	260	62	IE3	62	3RB 250-2AAP26	
	60	220-240 YY / 440-480 Y	13,2 YY/ 6,6 Y	4,0	-280	250	67	IE3			
2	50	220-240 △ / 380-420 Y	14,9 △/ 8,6Y	4,6	-480	420	62	IE3	68	3RB 250-2AAP36	
	60	220-240 YY / 440-480 Y	17,0 YY/ 8,5 Y	5,3	-460	460	67	IE3			
3	50	220-240 △ / 380-420 Y	20,4△/ 11,8Y	6,3	-530	720	62	IE3	78	3RB 250-2AAP46	
	60	220-240 YY / 440-480 Y	24,0YY/ 12,0Y	7,3	-580	700	67	IE3			
4	50	220-240 △ / 380-420 Y	26,8 △/ 15,5Y	8,6	-530	900	62	IE3	84	3RB 250-2AAP56	
	60	220-240 YY / 440-480 Y	30,6YY/ 15,3 Y	9,9	-580	880	67	IE3			
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)											
1	50/60	380-420 △ / 660-725 Y	6,9△/ 4,0Y	3,45	-300	260	62	IE3	62	3RB 250-2AAQ27	
	60	440-480 △	6,70△	4,0	-280	250	67	IE3			
2	50	380-420 △ / 660-725 Y	8,6△/ 5,0Y	4,6	-480	420	62	IE3	68	3RB 250-2AAQ37	
	60	440-480 △	8,50△	5,3	-460	460	67	IE3			
3	50	380-420 △ / 660-725 Y	11,8△/ 6,8Y	6,3	-530	720	62	IE3	78	3RB 250-2AAQ47	
	60	440-480 △	12,0△	7,3	-580	700	67	IE3			
4	50	380-420 △ / 660-725 Y	15,5△/ 8,9Y	8,6	-530	900	62	IE3	84	3RB 250-2AAQ57	
	60	440-480 △	15,3△	9,9	-580	880	67	IE3			
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)											
1	50	220-240 △ / 380-420 Y	11,6 △/ 6,7Y	3,45	-300	260	62	IE3	62	3RB 250-2AAQ26	
	60	440-480 Y	6,6 Y	4,0	-280	250	67	IE3			
2	50	220-240 △ / 380-420 Y	14,9 △/ 8,6Y	4,6	-480	420	62	IE3	68	3RB 250-2AAQ36	
	60	440-480 Y	8,5 Y	5,3	-460	460	67	IE3			
3	50	220-240 △ / 380-420 Y	20,4△/ 11,8Y	6,3	-530	720	62	IE3	78	3RB 250-2AAQ46	
	60	440-480 Y	12,0Y	7,3	-580	700	67	IE3			
4	50	220-240 △ / 380-420 Y	26,8 △/ 15,5Y	8,6	-530	900	62	IE3	84	3RB 250-2AAQ56	
	60	440-480 Y	15,3 Y	9,9	-580	880	67	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		•		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