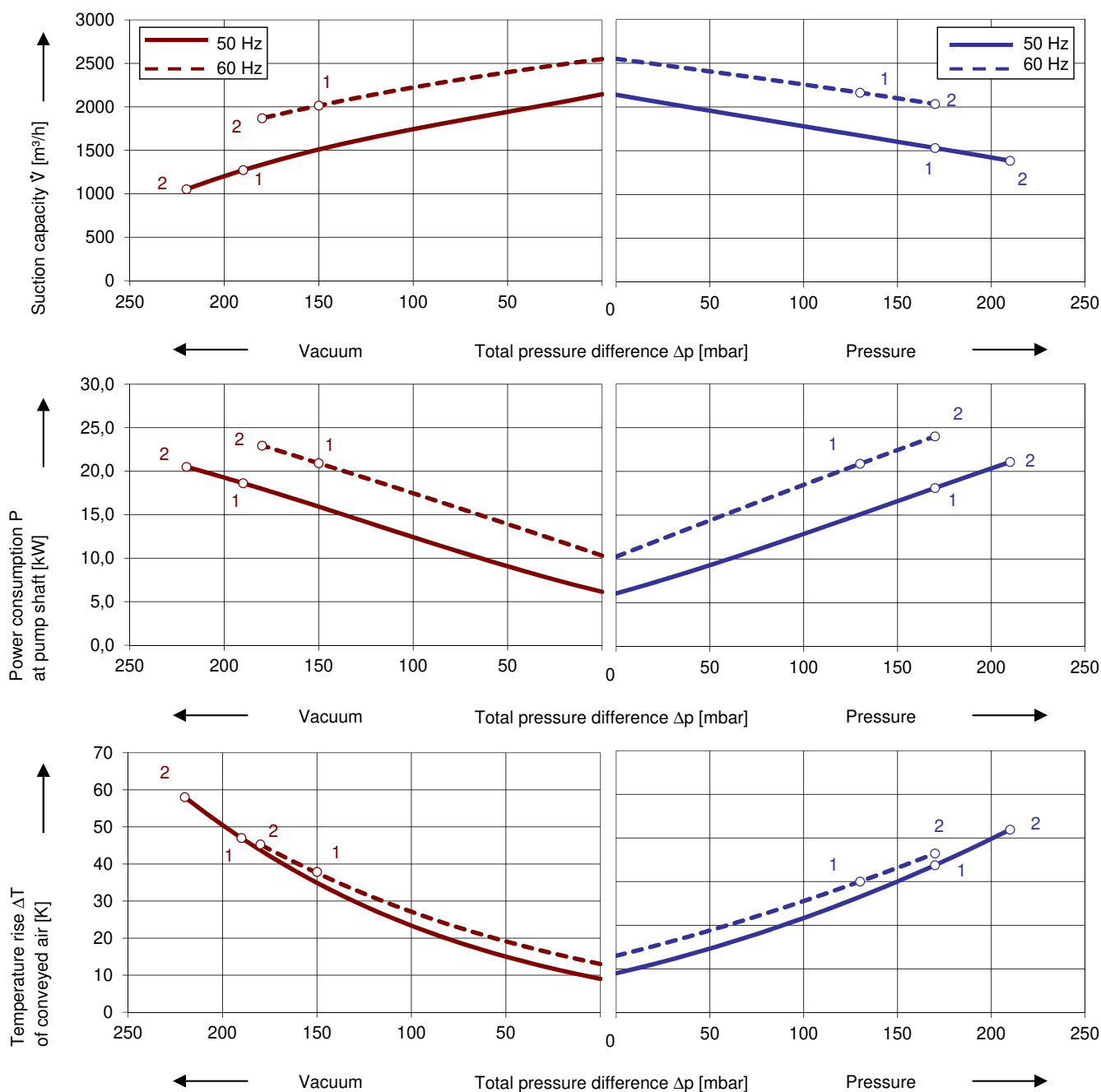


Performance curves

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 2RB pump 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 1010

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		dB(A)	kg		
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)										
1	50	190-210△	63.1△	17,3	-190	170	81	IE3	146	2RB 1010-1AP21
	60	190-210 YY/380-420Y	72.2YY/ 36.1Y	19,9	-150	130	81	IE3		
2	50	190-210△	76.8△	21,3	-220	210	81	IE3	158	2RB 1010-1AP31
	60	190-210 YY/380-420Y	87.4YY/ 43.7Y	24,5	-180	170	81	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)										
1	50	220-240 △/380-420Y	54.9△/ 31.7Y	17,3	-190	170	81	IE3	146	2RB 1010-1AP26
	60	220-240YY/440-480Y	62.8△/ 31.4Y	19,9	-150	130	81	IE3		
2	50	220-240 △/380-420Y	66.3△/ 38.3Y	21,3	-220	210	81	IE3	158	2RB 1010-1AP36
	60	220-240YY/440-480Y	76.0△/ 38.0Y	24,5	-180	170	81	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)										
1	50	380-420 △/660-725Y	31.7△/ 18.3Y	17,3	-190	170	81	IE3	156	2RB 1010-1AQ27
	60	440-480△	31.4△	19,9	-150	130	81	IE3		
2	50	380-420 △/660-725Y	38.3△/ 22.1Y	21,3	-220	210	81	IE3	165	2RB 1010-1AQ37
	60	440-480△	38.0△	24,5	-180	170	81	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)										
1	50	220-240 △/380-420Y	54.9△/ 31.7Y	17,3	-190	170	81	IE3	146	2RB 1010-1AQ26
	60	440-480Y	31.4Y	19,9	-150	130	81	IE3		
2	50	220-240 △/380-420Y	66.3△/ 38.3Y	21,3	-220	210	81	IE3	158	2RB 1010-1AQ36
	60	440-480Y	38.0Y	24,5	-180	170	81	IE3		
IE3 3~ 50/60 Hz, IP55, Insulation material class F(UL certificate number E481218)										
1	50	475-525 Y	25.4 Y	17,3	-190	170	81	IE3	146	2RB 1010-1AQ23
	60	550-600 Y	25.1 Y	19,9	-150	130	81	IE3		
2	50	475-525 Y	30.6 Y	21,3	-220	210	81	IE3	158	2RB 1010-1AQ33
	60	550-600 Y	30.4 Y	24,5	-180	170	81	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.
- 5) Klaxon recommended for motor overload protection. Ordering example: 2RB 310-□□□□-Z

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				
50 Hz	60Hz		60 Hz	2 RB ...-1.	□	□
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					
190-210 V Δ	220-240 V Δ / 380-420VY		•		Q	1
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 does not constitute an obligation from our side to deliver as shown