



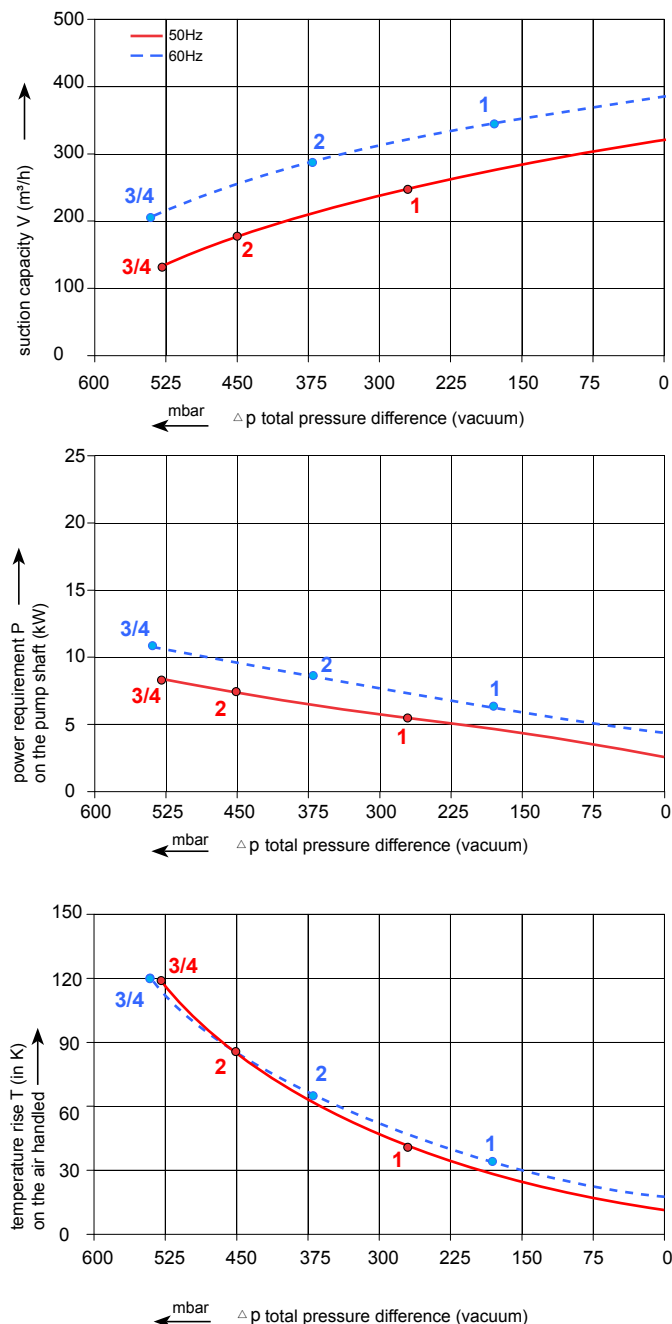
Data sheet 3RB 550-2

Side channel blower with IE2-motors

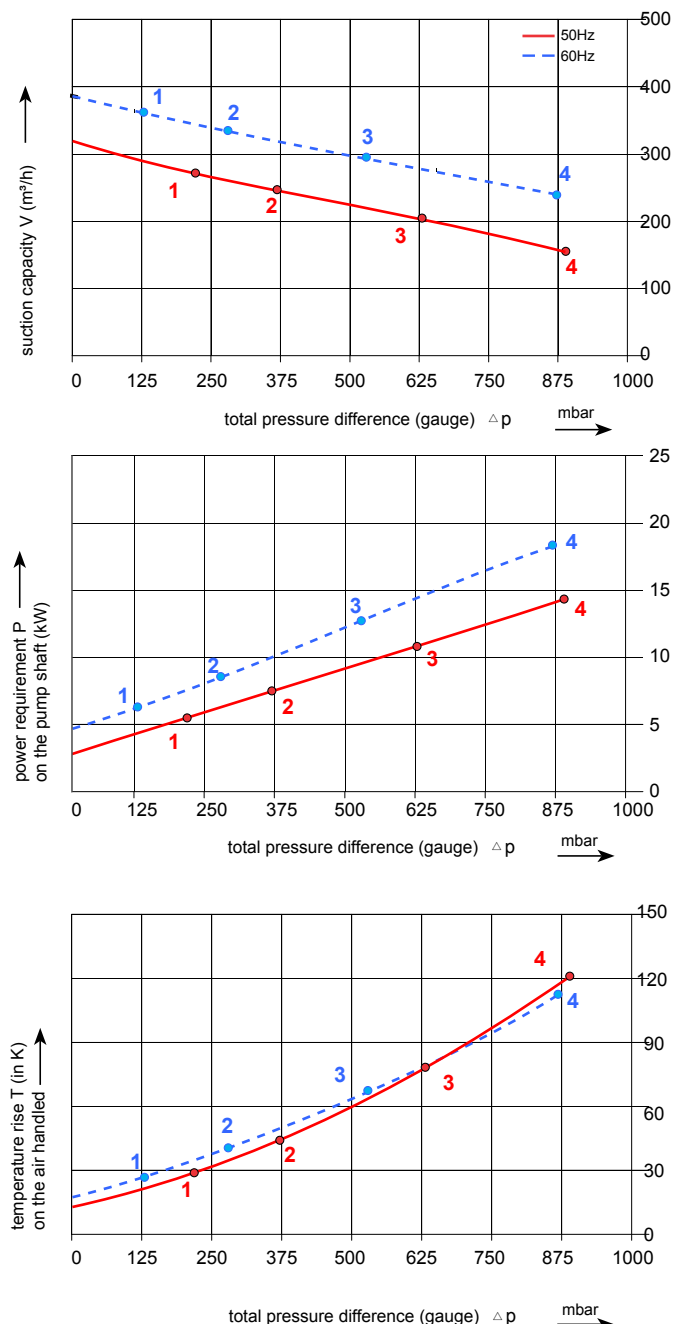
EFF I

IE2

Performance curve for Vacuum pump



Performance curve for Compressor



The performance curves are based on air at a temperature of 15 °C and atmospheric pressure of 1013 mbar with a tolerance of +/- 10 %. The total pressure differences are valid for suction and ambient temperatures up to 25 °C. For other conditions please confer with us.

Each G-3RB type can be applied both as vacuum pump and compressor in continuous operation over the total stated performance curve range. The motors are available as standard for the input voltage range of 50 and 60 Hz and for protection category IP 55.

Selection and ordering data

Type 3RB550-2

Curve No.	Order No.	Frequency Hz	Rated Power KW	Input voltage V	Input current A	Permissible total differential pressure ²⁾		Sound pressure level ³⁾ dB(A)	Weight ca. kg
						Vacuum mbar	Compressor mbar		
3~ 50/60 Hz IP55 insulation material class F									
1	3RB 550-2AAT47	50	5.5	350-450 △ /610-725Y	11.1 △ /6.4Y	-270	220	70	125
		60	6.3	400-500 △ /690-725Y	11.0 △ /6.4Y	-180	130	74	
2	3RB 550-2AAT57	50	7.5	350-450 △ /610-725Y	15.0 △ /8.7Y	-450	370	70	133
		60	8.6	400-500 △ /690-725Y	15.1 △ /8.8Y	-370	280	74	
3	3RB 550-2AAT67	50	11.0	350-450 △ /610-725Y	22.0 △ /12.7Y	-530	630	70	160
		60	12.6	400-500 △ /690-725Y	22.0 △ /12.9Y	-540	530	74	
4	3RB 550-2AAT77	50	15.0	350-450 △ /610-725Y	30.5 △ /17.3Y	-530	890	70	171
		60	17.3	400-500 △ /690-725Y	29.5 △ /17.0Y	-540	870	74	

1) Relief valves available for limiting differential pressure.

2) 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).

All 3RB fulfil the 2006/42/EC(machinery)and 2006/95/EC(low voltage) directives and the EN 60034-1 norm "Rotating electrical machines".

The motors comply with EN 60 034-1 / -2 /-30(IEC 60034) and thermal class F

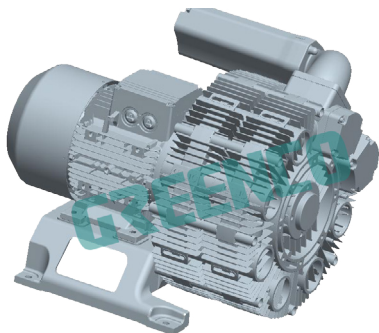
The voltage tolerance is +/- 5%.

The frequency tolerance is +/- 2% maximum.

Other voltage ranges

50 Hz	50 Hz Voltage range	60 Hz Voltage range	86 Hz(5000 rpm)	100 Hz(6000 rpm)	3RB...		
3 IE2/							
200 V D/345 V Y 500 V Y 230 V D/400 V Y 400 V D/690 V Y	180-240 V D /310-415 V Y 450-550 V Y 200-260 V D /350-450 V Y 350-450 V D /610-725 V Y	200...275 V D/345...480 V Y 520...600 V Y 230...290 V D/400...500 V Y 400...500 V D/690...725 V Y	----- ----- 400 V D -----	400 V D ----- ----- -----		T T T T	1 3 6 7

3) Performance can different if standard motors are used.Please refer to corresponding data sheets.



Changes in particular the quoted performance curve, datas and weights without prior notice. The figures are without obligations.

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