



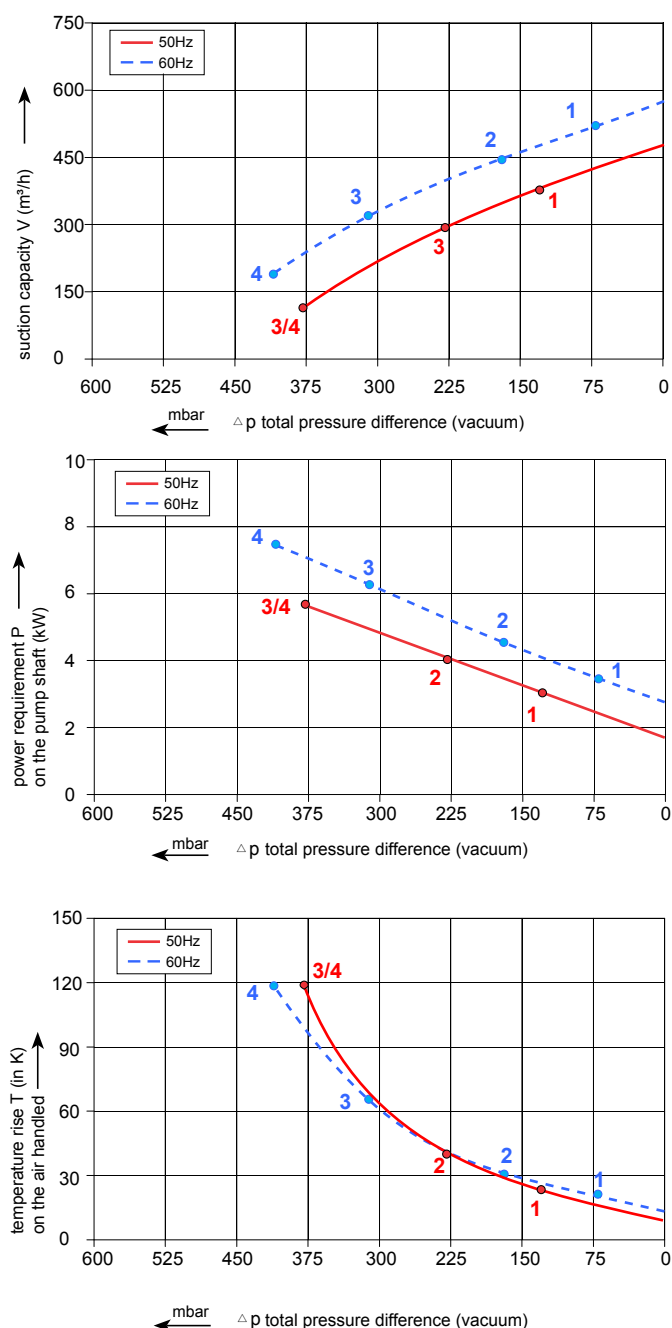
Data sheet 3RB 550-1

Side channel blower with IE2-motors

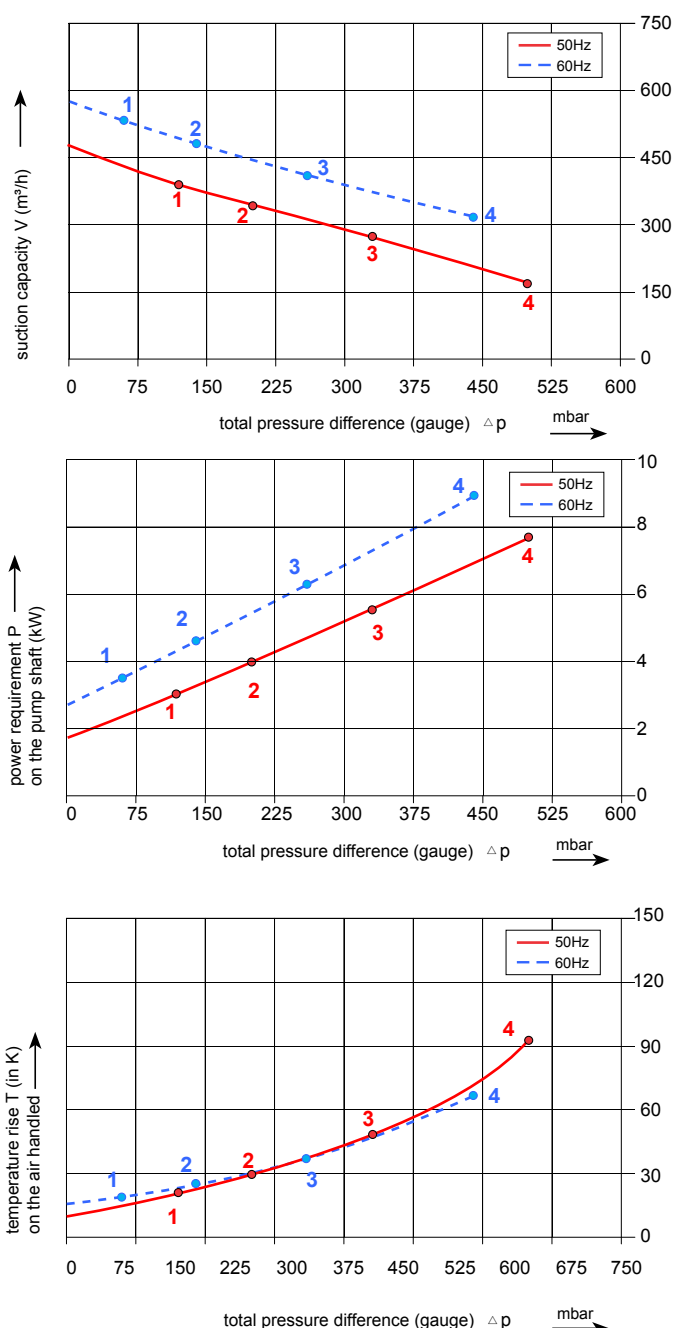
EFF I

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 3RB550-1

Curve No.	Order No.	Frequency	Rated Power	Input voltage	Input current	Permissible total differential pressure ²⁾		Sound pressure level ³⁾	Weight ca.
		Hz	KW	V	A	Vacuum mbar	Compressor mbar	dB(A)	kg
3~ 50/60 Hz IP55 isolation material class F									
1	3RB 550-1AAT26	50	3.0	200-260 Δ /350-450Y	11.4 Δ /6.5Y	-130	120	69	66
		60	3.45	230-290 Δ /400-500Y	10.8 Δ /6.2Y	-70	60	73	
2	3RB 550-1AAT37	50	4.0	350-450 Δ /610-725Y	8.4 Δ /4.8Y	-230	200	69	78
		60	4.6	400-500 Δ /690-725Y	8.2 Δ /4.7Y	-170	140	73	
3	3RB 550-1AAT47	50	5.5	350-450 Δ /610-725Y	11.1 Δ /6.4Y	-380	330	69	88
		60	6.3	400-500 Δ /690-725Y	11.0 Δ /6.4Y	-310	260	73	
4	3RB 550-1AAT57	50	7.5	350-450 Δ /610-725Y	15.0 Δ /8.7Y	-380	500	71	96
		60	8.6	400-500 Δ /690-725Y	15.1 Δ /8.8Y	-410	440	75	

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

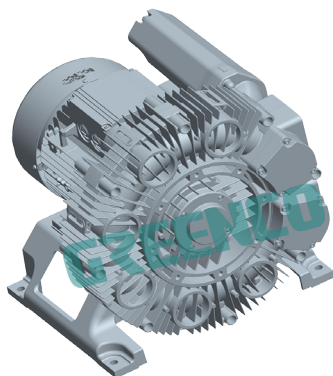
The voltage tolerance is +/- 5%.

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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