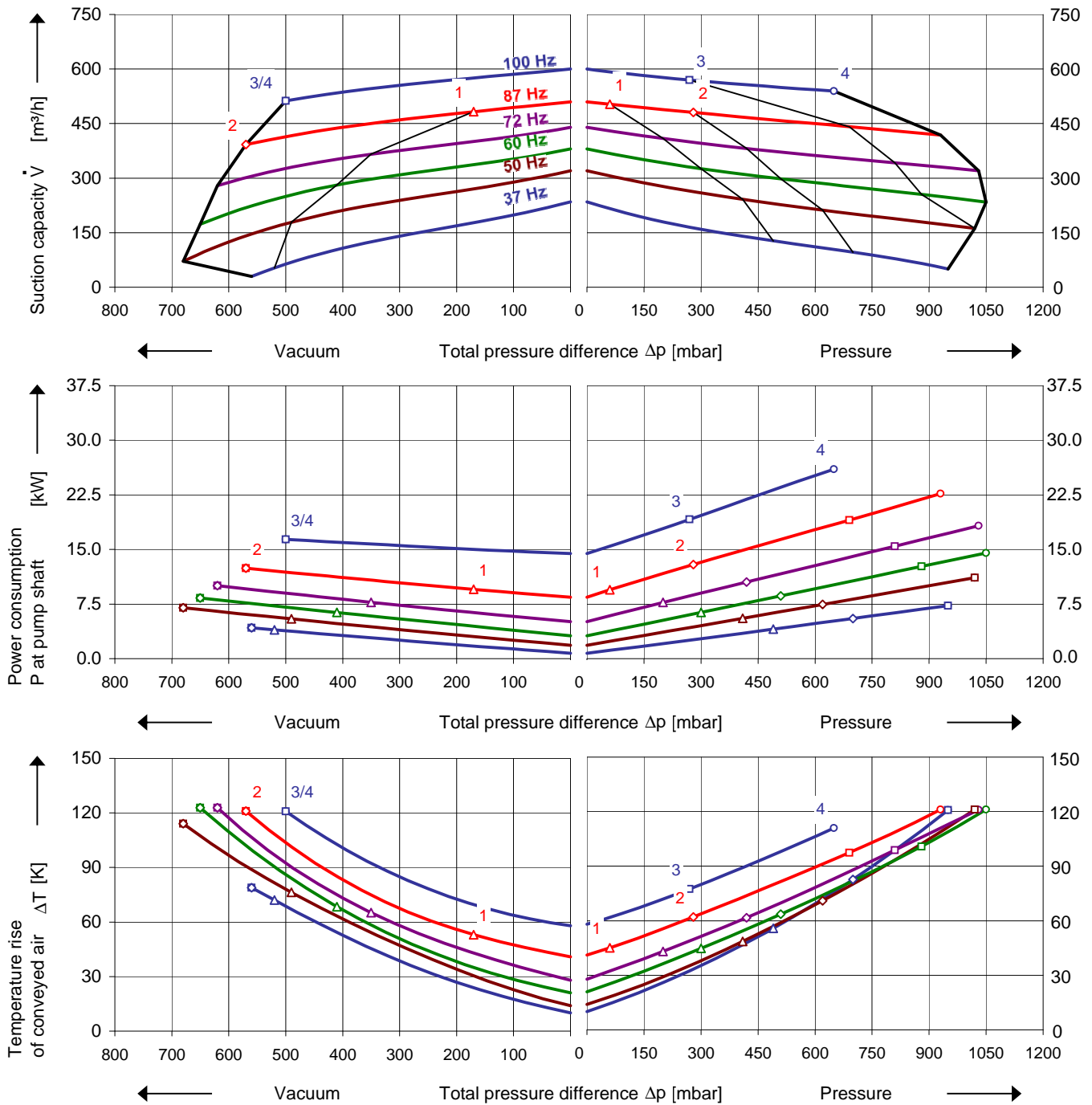


Performance curves

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.

The performance curves are based on frequency converter operation and a pulse frequency of 4 kHz minimum. Rated voltage/frequency set point is 345 V / 87 Hz and delta connection of motor. Frequency converters must be connected to a mains voltage of 380 V minimum.

Selection and ordering data


Type 3RB 350-3

No.	Fre- quency	Rated motor			Max. differential pressure ¹⁾		Sound pressure level ²⁾	Weight Approx.	Order No.
		Voltage	Current	Power	Vacuum	Pressure			
		Hz	V	A	kW	mbar			
Integrated VFD 3- 400V -15% ... 480V +10%, 50/60 Hz ±6% with IE2 motor with thermistor (PTC), IP55									
3	100	345 Δ	38.0 Δ	19.0	-500	270	85	172	3RB 350-3AAT61
3- 50/60 Hz, IP55, Insulation material class F									
1	50	345 Y	11.8 Y	5.5	-490	410	71	118	3RB 350-3AAT41
	60	400 Y	11.4 Y	6.3	-410	300	74		
	87	345 Δ	20.5 Δ	9.5	-170	60			
2	50	345 Y	15.5 Y	7.5	-680	620	70	126	3RB 350-3AAT51
	60	400 Y	15.1 Y	8.6	-650	510	73		
	87	345 Δ	26.5 Δ	12.9	-570	280	83		
3	50	345 Y	23.0 Y	11.0	-680	1020	72	151	3RB 350-3AAT61
	60	400 Y	22.5 Y	12.6	-650	880	76		
	100	345 Δ	38.0 Δ	19.0	-500	270	85		
4	50	345 Y	31.0 Y	15.0	-680	1020	72	162	3RB 350-3AAT71
	60	400 Y	30.5 Y	17.3	-650	1050	76		
	100	345 Δ	51.5 Δ	26.0	-500	650	85		

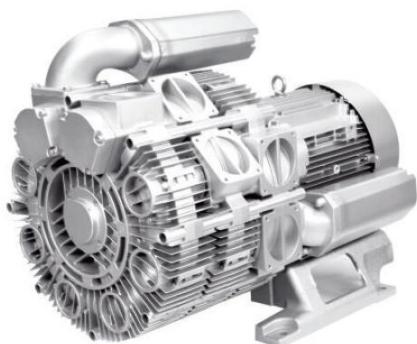
- 1) We recommend differential pressure indicators / switches for limiting differential pressure. Relief valves are only useable at defined frequency.
- 2) Measuring surface sound pressure level acc. to EN ISO 3744, measured with an equivalent unit at a distance of 1 m. The pump is throttled to an average suction pressure, with piping connected, but no relief valves fitted, tolerance ±3 dB (A).
- 3) PTC recommended for motor overload protection. Ordering example: 3RB 350-3 □□□□□□□□-Z

All 3RB series match 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.

Other voltages

50 Hz	50 Hz voltage ranges	60 Hz voltage ranges 	86 Hz	100 Hz	3RB 350-3A □□. □
200 V Δ / 345 V Y 500 V Δ	180 - 240 V Δ / 310 - 415 V Y 450 - 550 V Δ	200 - 275 V Δ / 345 - 480 V Y 520 - 600 V Δ	----- -----	400 V Δ -----	1 5 6 7
230 V Δ / 400 V Y 400 V Δ / 690 V Y	200 - 260 V Δ / 350 - 450 V Y 350 - 450 V Δ / 610 - 725 V Y	230 - 290 V Δ / 400 - 500 V Y 400 - 500 V Δ / 690 - 725 V Y*	400 V Δ -----	-----	

standard A
suction port at cover B



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.

GREENCO

Your Ultimate Source for Vacuum and Pressure

ZHEJIANG GREENCO INDUSTRY CO LTD

Rongshi Road Danya Industrial Zone
Zeguo Town Wenling 317523 China

Tel.: +86-576-86465362

Fax: +86-576-86409555

www.g-ling.cn