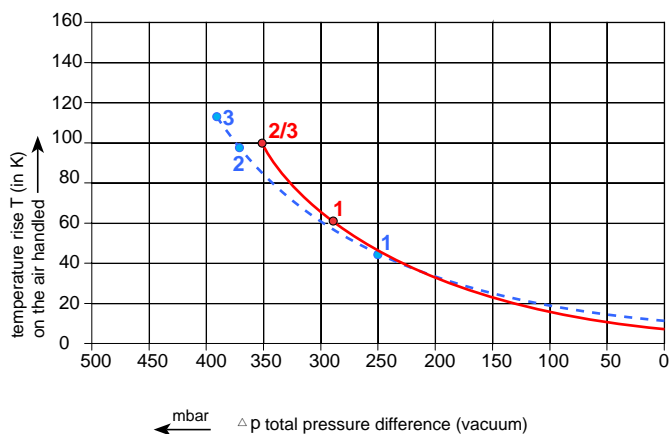
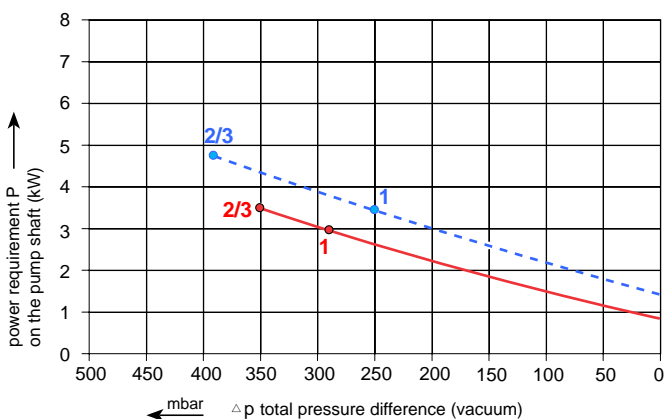
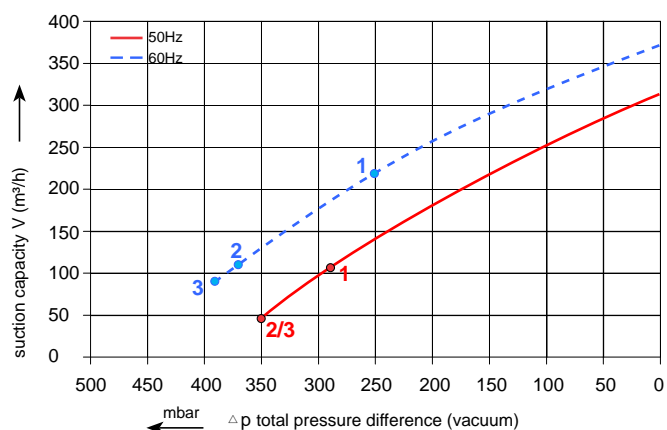


Data sheet 3RB 350-1

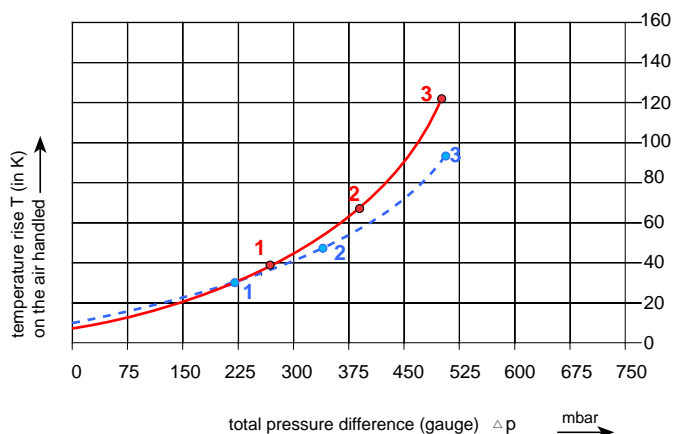
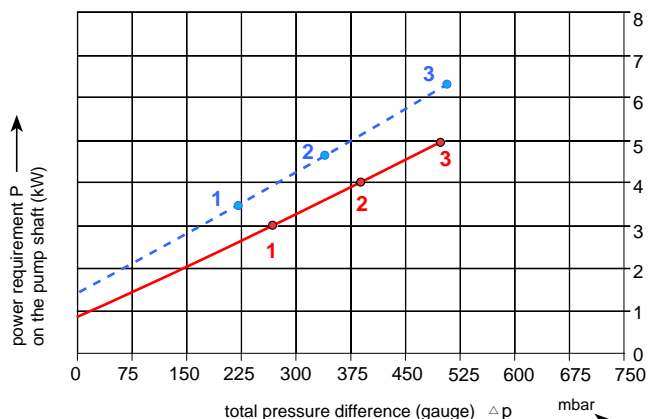
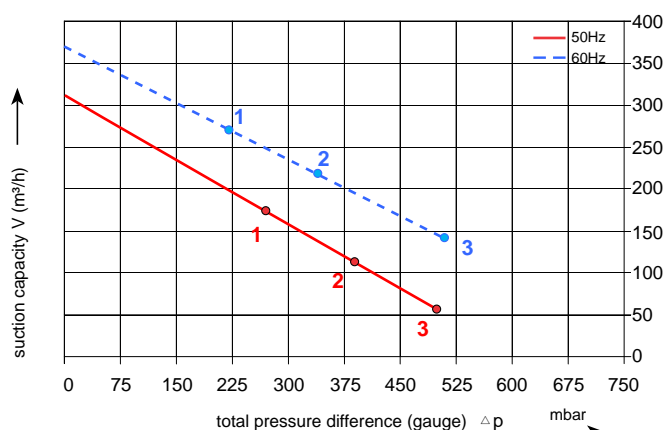
Side channel blower with IE2-motors



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 3RB350-1

Curve No.	Order No.	Frequency	Rated Power	Input voltage	Input current	Permissible total differential pressure ²⁾		Sound pressure level ³⁾	Weight ca.
						Vacuum mbar	Compressor mbar		
		Hz	KW	V	A			dB(A)	kg
3- 50/60 Hz IP55 isolation material class F									
1	3RB 350-1AAT26	50	3.0	200-260 Δ /350-450Y	11.4 Δ /6.5Y	-290	270	65	54
		60	3.45	230-290 Δ /400-500Y	10.8 Δ /6.2Y	-250	220	69	
2	3RB 350-1AAT37	50	4.0	350-450 Δ /610-725Y	8.4 Δ /4.8Y	-350	390	66	66
		60	4.6	400-500 Δ /690-725Y	8.2 Δ /4.7Y	-370	340	70	
3	3RB 350-1AAT47	50	5.5	350-450 Δ /610-725Y	11.1 Δ /6.4Y	-350	500	70	77
		60	6.3	400-500 Δ /690-725Y	11.0 Δ /6.4Y	-390	510	70	

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".

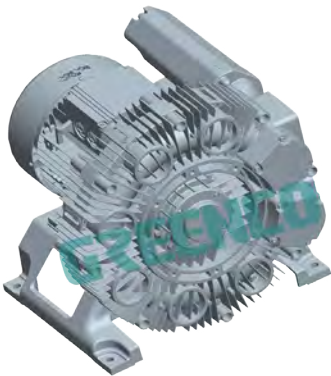
The motors comply with EN 60 034-1 / -2 /-30(IEC 60034) and thermal class F

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	180-240 V D /310-415 V Y 450-550 V Y	200...275 V D/345...480 V Y 520...600 V Y	----- ----- 400 V D -----	400 V D ----- -----	T T T T 1 3 6 7
230 V D/400 V Y 400 V D/690 V Y	200-260 V D /350-450 V Y 350-450 V D /610-725 V Y	230...290 V D/400...500 V Y 400...500 V D/690...725 V Y			

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



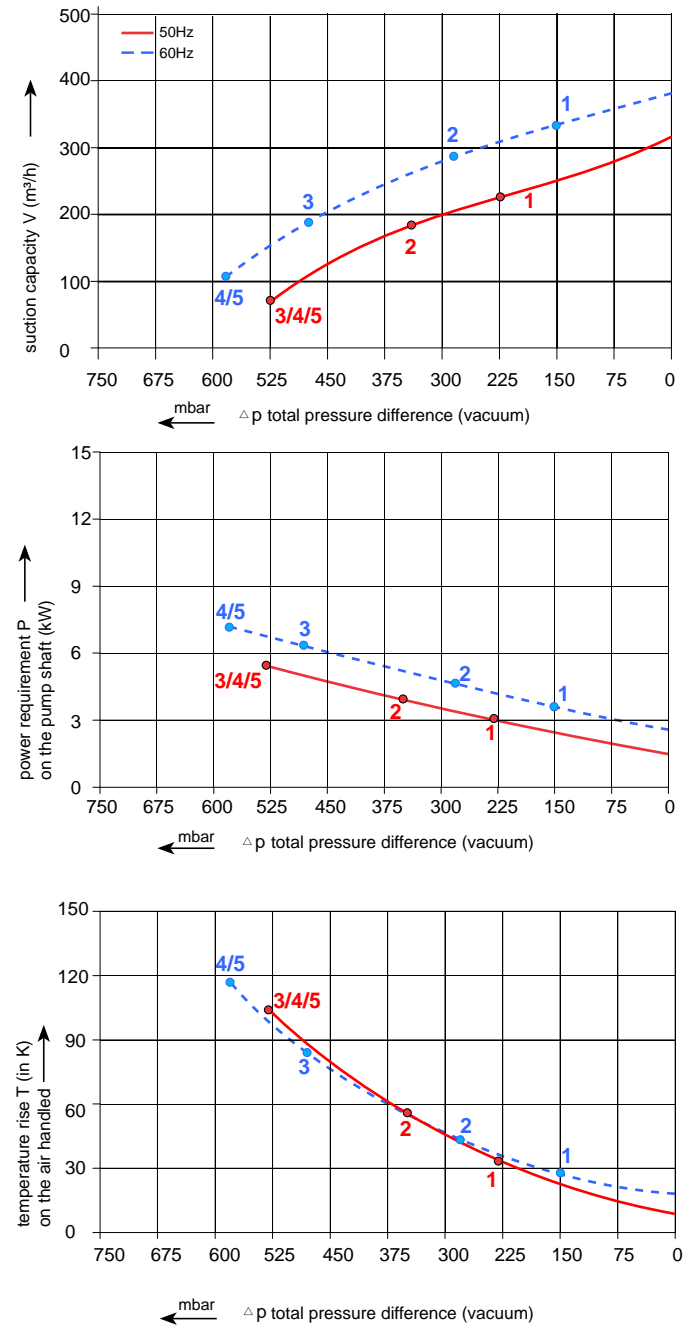
Data sheet 3RB 350-2

Side channel blower with IE2-motors

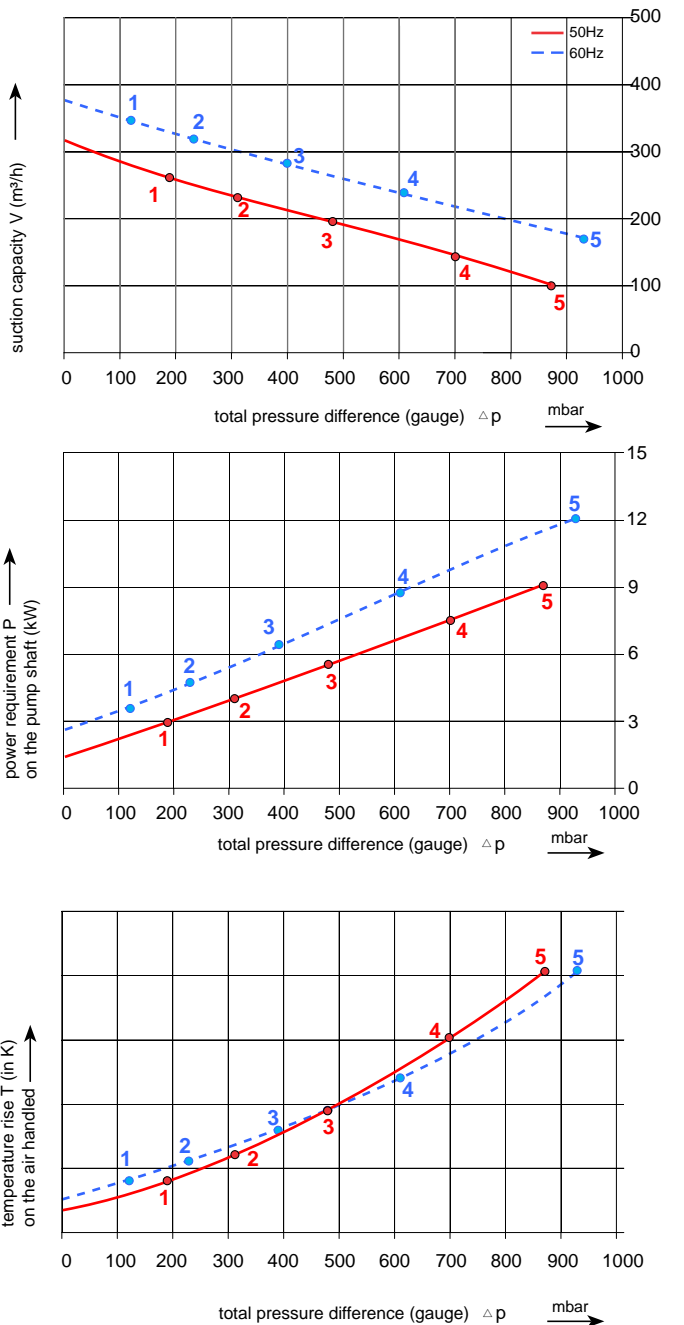


IE2

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 3RB350-2

Curve No.	Order No.	Frequency	Rated Power	Input voltage	Input current	Permissible total differential pressure 2)		Sound pressure level 3)	Weight ca.
						Vacuum mbar	Compressor mbar		
		Hz	KW	V	A			dB(A)	kg
3- 50/60 Hz IP55 insulation material class F									
1	3RB 350-2AAT26	50	3.0	200-260 Δ /350-450Y	11.4 Δ /6.5Y	-230	190	68	78
		60	3.45	230-290 Δ /400-500Y	10.8 Δ /6.2Y	-150	120	71	
2	3RB 350-2AAT37	50	4.0	350-450 Δ /610-725Y	8.4 Δ /4.8Y	-350	310	69	92
		60	4.6	400-500 Δ /690-725Y	8.2 Δ /4.7Y	-280	230	72	
3	3RB 350-2AAT47	50	5.5	350-450 Δ /610-725Y	11.1 Δ /6.4Y	-530	480	69	100
		60	6.3	400-500 Δ /690-725Y	11.0 Δ /6.4Y	-480	390	73	
4	3RB 350-2AAT57	50	7.5	350-450 Δ /610-725Y	15.0 Δ /8.7Y	-530	700	69	126
		60	8.6	400-500 Δ /690-725Y	15.1 Δ /8.8Y	-580	610	73	
5	3RB 350-2AAT67	50	11	350-450 Δ /610-725Y	22.0 Δ /12.7Y	-530	870	72	132
		60	12.6	400-500 Δ /690-725Y	22.0 Δ /12.9Y	-580	930	76	

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...	<input type="checkbox"/>	<input type="checkbox"/>
3 IE2/							
200 V D/345 V Y 500 V Y	180-240 V D /310-415 V Y 450-550 V Y	200...275 V D/345...480 V Y 520...600 V Y	----- -----	400 V D -----		T	1
230 V D/400 V Y 400 V D/690 V Y	200-260 V D /350-450 V Y 350-450 V D /610-725 V Y	230...290 V D/400...500 V Y 400...500 V D/690...725 V Y	400 V D -----	----- -----		T T T	3 6 7

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

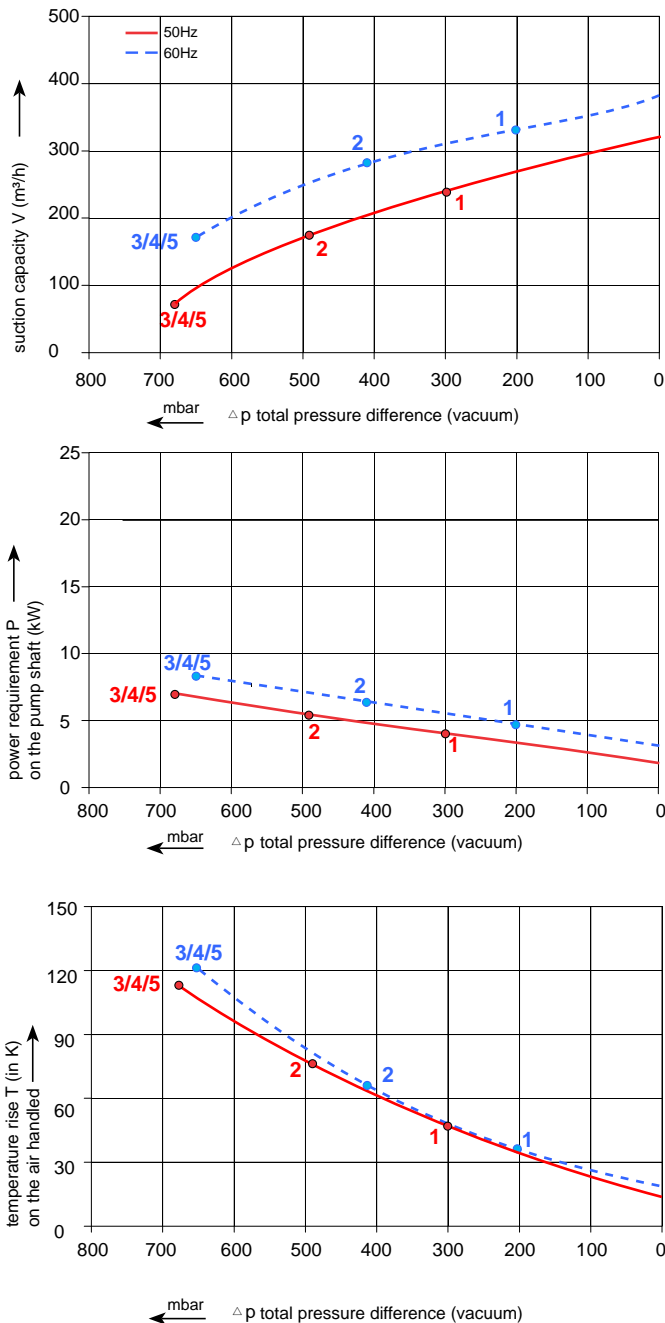


Data sheet 3RB 350-3

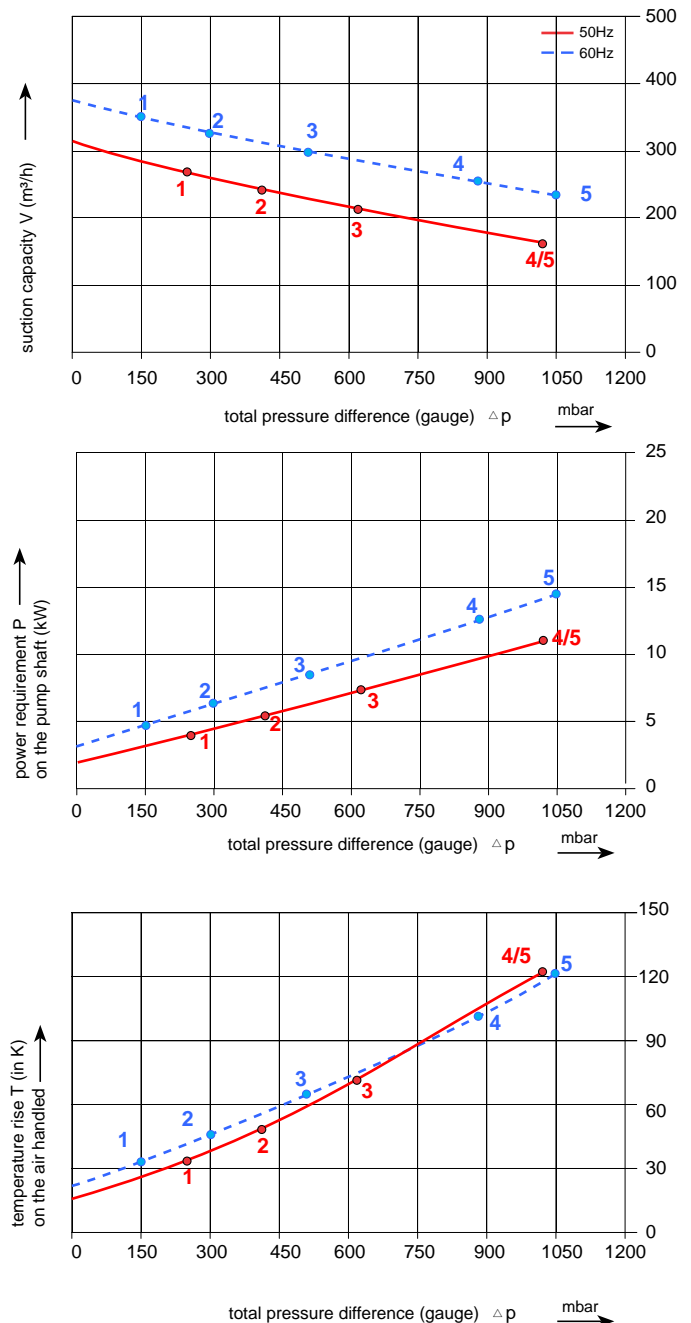
Side channel blower with IE2-motors



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 3RB350-3

Curve No.	Order No.	Frequency	Rated Power	Input voltage	Input current	Permissible total differential pressure ²⁾		Sound pressure level ³⁾	Weight ca.
						Vacuum mbar	Compressor mbar		
		Hz	KW	V	A			dB(A)	kg
3- 50/60 Hz IP55 insulation material class F									
1	3RB 350-3AAT37	50	4.0	350-450 Δ /610-725Y	8.4 Δ /4.8Y	-300	250	69	118
		60	4.6	400-500 Δ /690-725Y	8.2 Δ /4.7Y	-200	150	72	
2	3RB 350-3AAT47	50	5.5	350-450 Δ /610-725Y	11.1 Δ /6.4Y	-490	410	70	118
		60	6.3	400-500 Δ /690-725Y	11.0 Δ /6.4Y	-410	300	74	
3	3RB 350-3AAT57	50	7.5	350-450 Δ /610-725Y	15.0 Δ /8.7Y	-680	620	70	126
		60	8.6	400-500 Δ /690-725Y	15.1 Δ /8.8Y	-650	510	74	
4	3RB 350-3AAT67	50	11.0	350-450 Δ /610-725Y	22.0 Δ /12.7Y	-680	1020	72	151
		60	12.6	400-500 Δ /690-725Y	22.0 Δ /12.9Y	-650	880	76	
5	3RB 350-3AAT77	50	15.0	350-450 Δ /610-725Y	30.5 Δ /17.3Y	-680	1020	70	162
		60	17.3	400-500 Δ /690-725Y	29.5 Δ /17.0Y	-650	1050	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

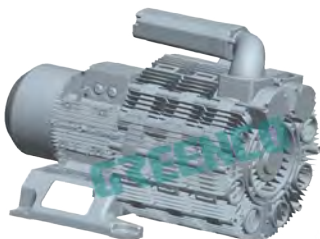
The voltage tolerance is +/- 5%.

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...	<input type="checkbox"/>	<input type="checkbox"/>
3 IE2/							
200 V D/345 V Y 500 V Y	180-240 V D /310-415 V Y 450-550 V Y	200...275 V D/345...480 V Y 520...600 V Y	----- -----	400 V D -----		T	1
230 V D/400 V Y 400 V D/690 V Y	200-260 V D /350-450 V Y 350-450 V D /610-725 V Y	230...290 V D/400...500 V Y 400...500 V D/690...725 V Y	400 V D -----	----- -----		T T T	3 6 7

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



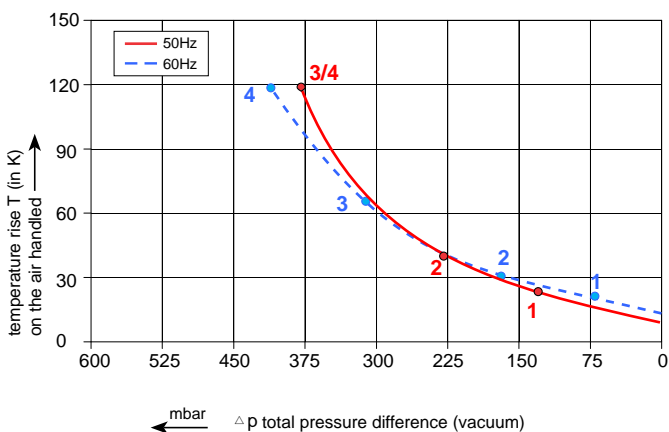
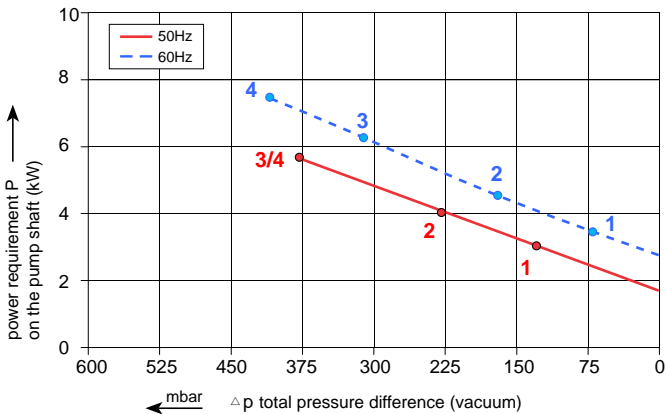
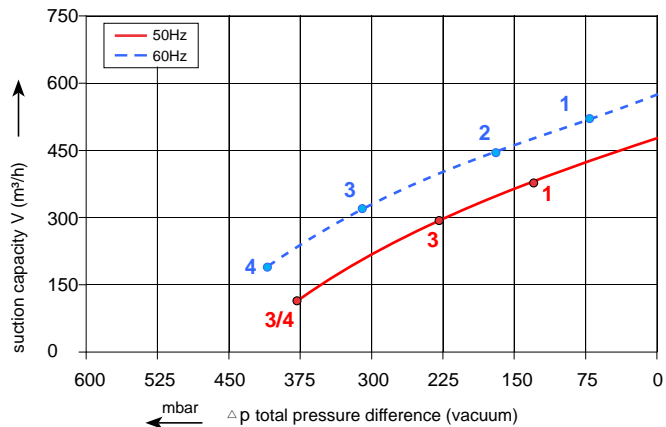
Data sheet 3RB 550-1

Side channel blower with IE2-motors

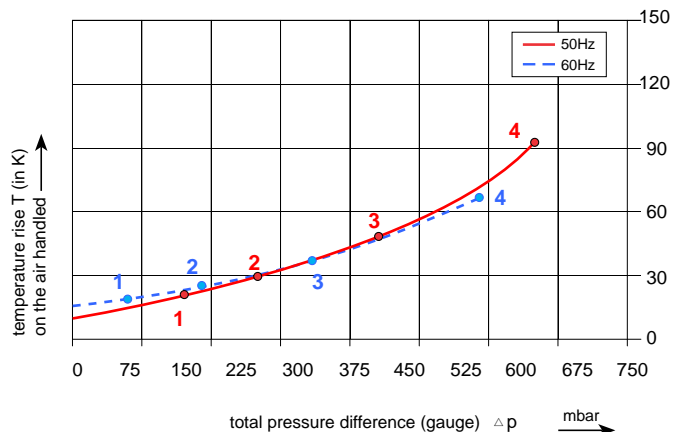
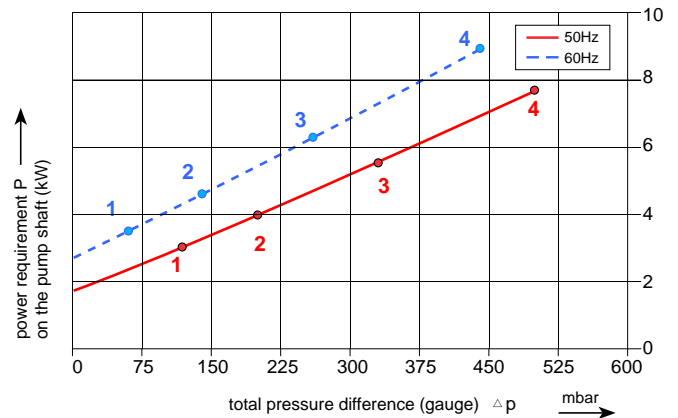
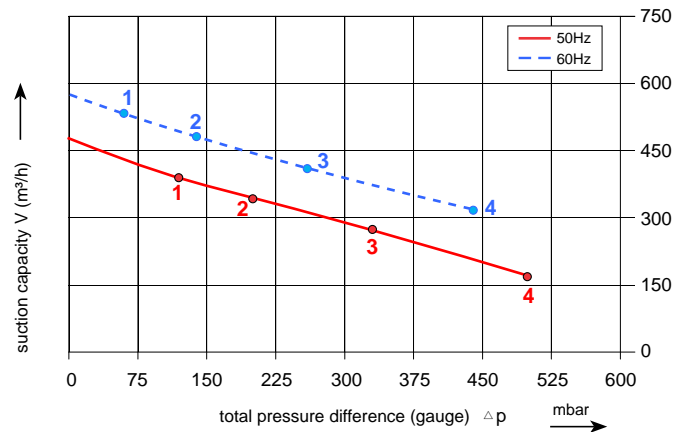


IE2

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.
						Vacuum mbar	Compressor mbar		
		Hz	KW	V	A			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".

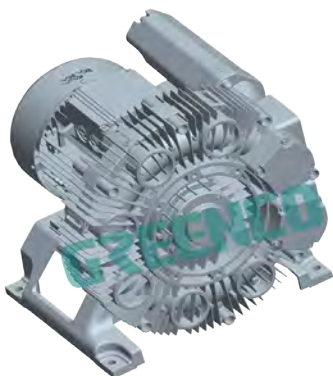
The motors comply with EN 60 034-1 / -2 /-30(IEC 60034) and thermal class F

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...	<input type="checkbox"/>
3 IE2/						
200 V D/345 V Y 500 V Y	180-240 V D /310-415 V Y 450-550 V Y	200...275 V D/345...480 V Y 520...600 V Y	----- ----- 400 V D -----	400 V D ----- ----- -----		<input type="checkbox"/>
230 V D/400 V Y 400 V D/690 V Y	200-260 V D /350-450 V Y 350-450 V D /610-725 V Y	230...290 V D/400...500 V Y 400...500 V D/690...725 V Y				<input type="checkbox"/>

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

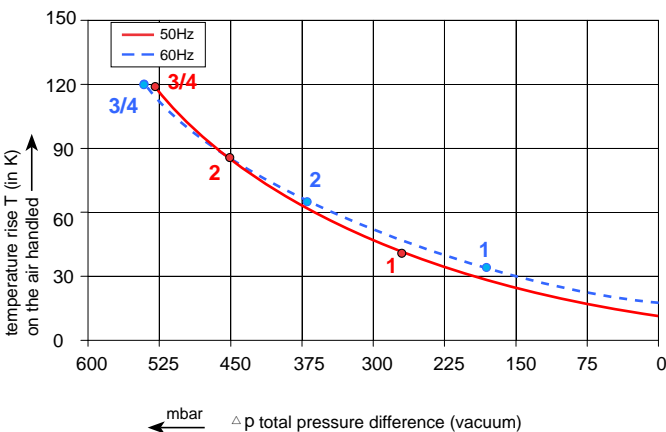
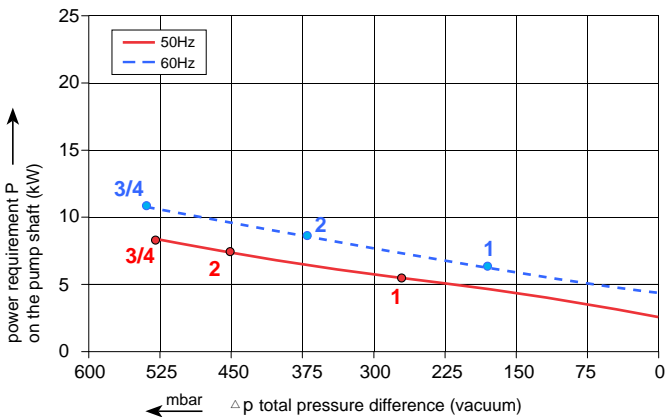
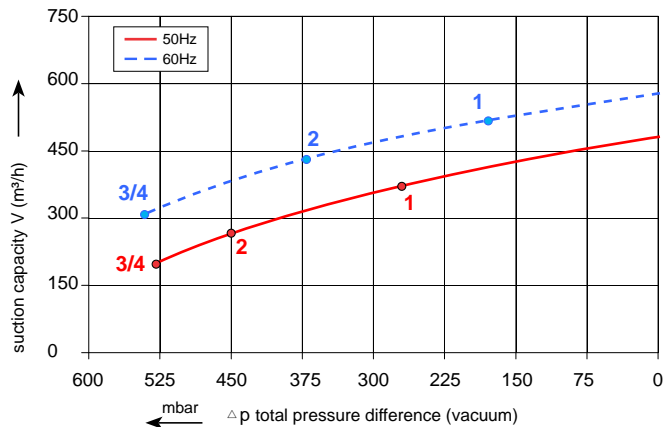


Data sheet 3RB 550-2

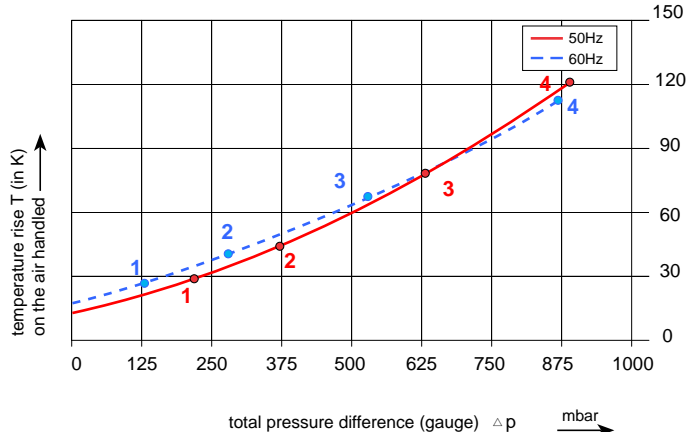
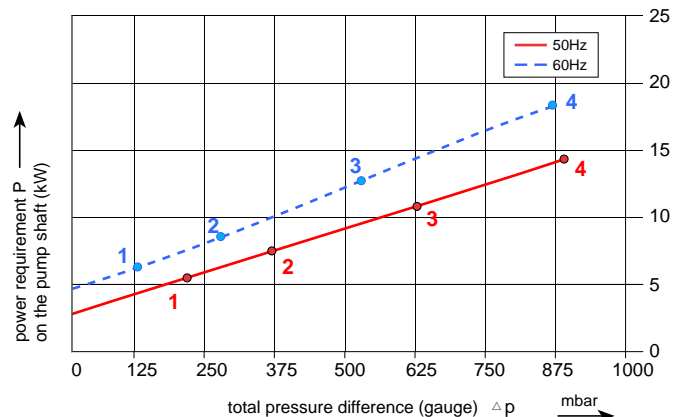
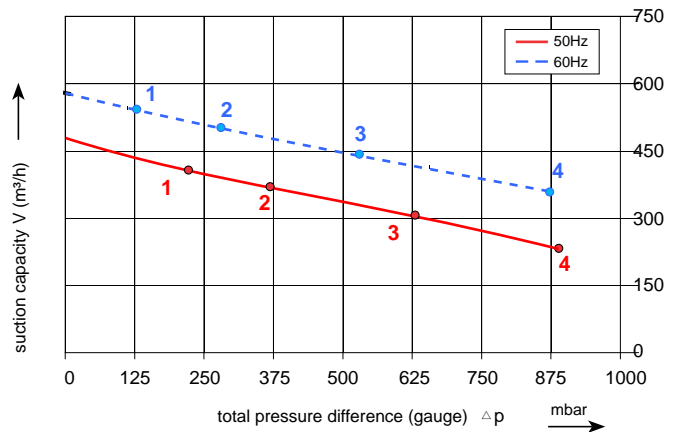
Side channel blower with IE2-motors



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 3RB350

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 isolation material class F									
1	3RB 550-2AAT47	50	5.5	350-450 Δ /610-725Y	11.1 Δ /6.4Y	-270	220	70	118
		60	6.3	400-500 Δ /690-725Y	11.0 Δ /6.4Y	-180	130	74	
2	3RB 550-2AAT57	50	7.5	350-450 Δ /610-725Y	15.0 Δ /8.7Y	-450	370	70	126
		60	8.6	400-500 Δ /690-725Y	15.1 Δ /8.8Y	-370	280	74	
3	3RB 550-2AAT67	50	11.0	350-450 Δ /610-725Y	22.0 Δ /12.7Y	-530	630	70	145
		60	12.6	400-500 Δ /690-725Y	22.0 Δ /12.9Y	-540	530	74	
4	3RB 550-2AAT77	50	15.0	350-450 Δ /610-725Y	30.5 Δ /17.3Y	-530	890	70	156
		60	17.3	400-500 Δ /690-725Y	29.5 Δ /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".

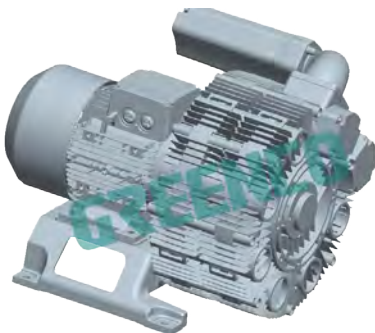
The motors comply with EN 60 034-1 / -2 /-30(IEC 60034) and thermal class F

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.



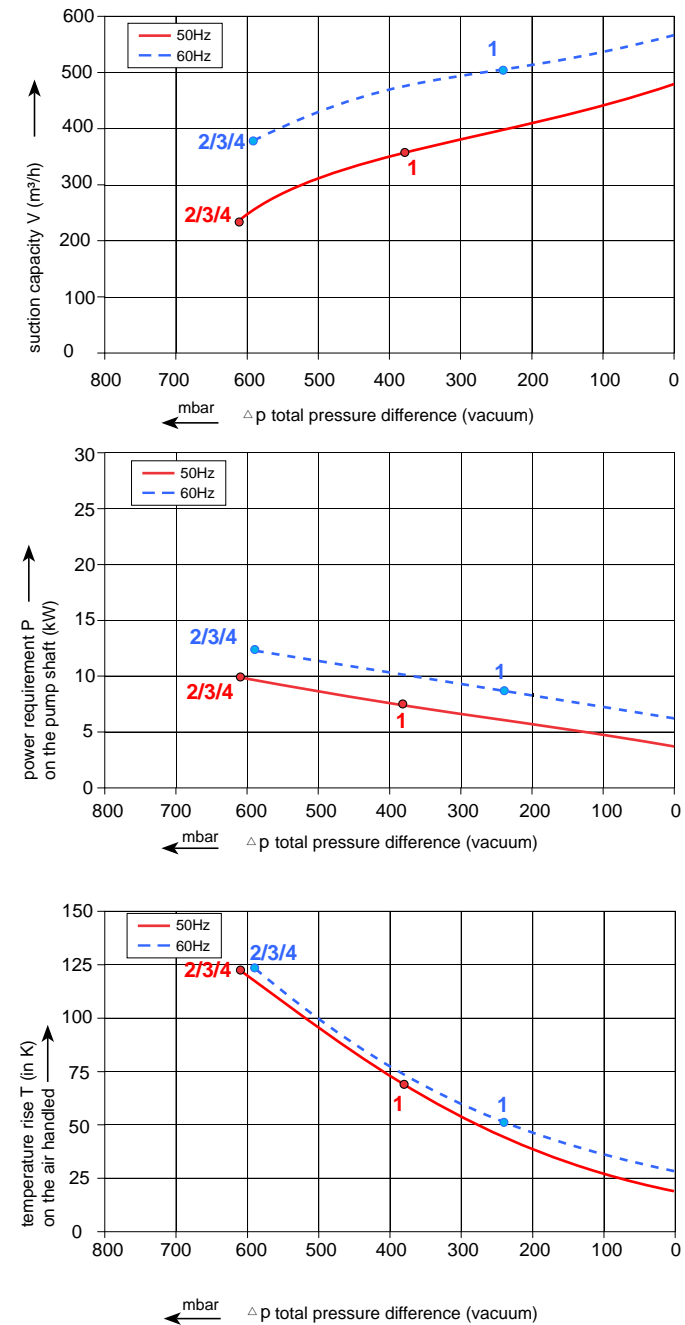
Data sheet 3RB 550-3

Side channel blower with IE2-motors

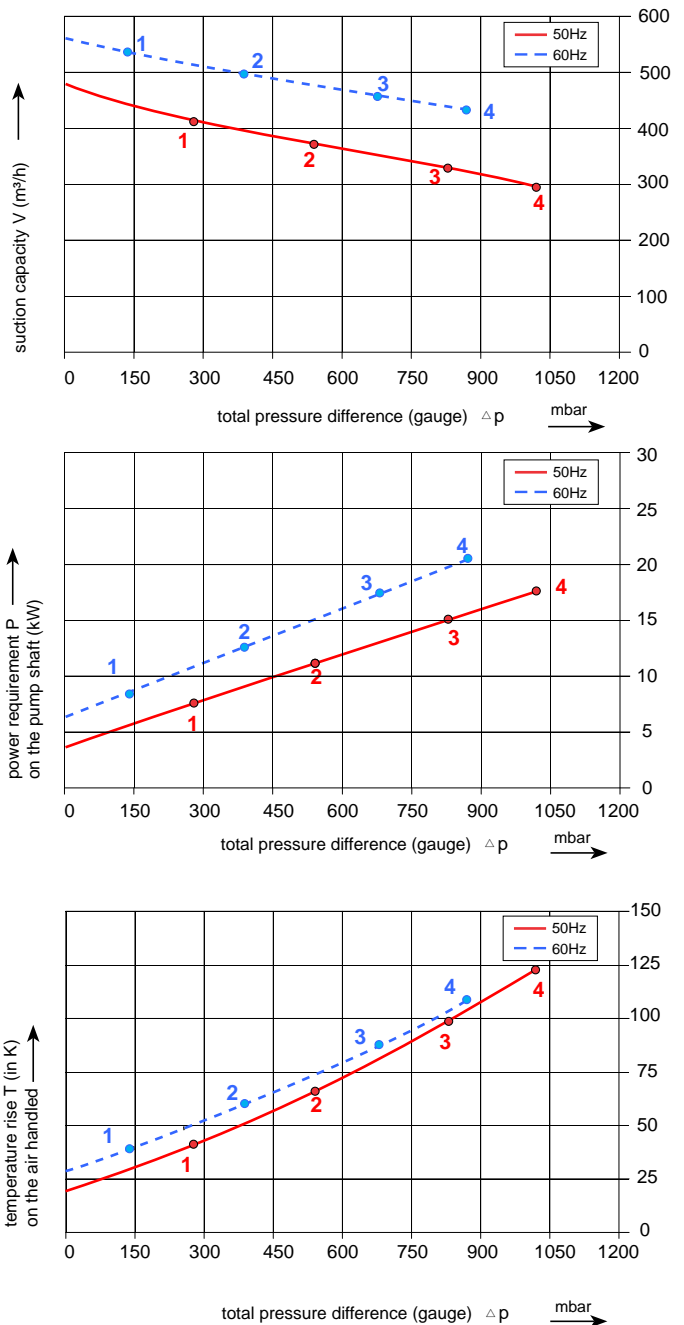


IE2

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 3RB350

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 550-3AAT57	50	7.5	350-450 Δ /610-725Y	15.0 Δ /8.7Y	-380	280	71	142
		60	8.6	400-500 Δ /690-725Y	15.1 Δ /8.8Y	-240	140	77	
2	3RB 550-3AAT67	50	11.0	350-450 Δ /610-725Y	22.0 Δ /12.7Y	-610	540	71	167
		60	12.6	400-500 Δ /690-725Y	22.0 Δ /12.9Y	-590	390	77	
3	3RB 550-3AAT77	50	15.0	350-450 Δ /610-725Y	30.5 Δ /17.3Y	-610	830	71	180
		60	17.3	400-500 Δ /690-725Y	29.5 Δ /17.0Y	-590	680	77	
4	3RB 550-3AAT87	50	18.5	350-450 Δ /610-725Y	37.0 Δ /21.0Y	-610	1020	72	195
		60	21.3	400-500 Δ /690-725Y	36.5 Δ /21.0Y	-590	870	76	

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...	<input type="checkbox"/>	<input type="checkbox"/>
3 IE2/							
200 V D/345 V Y 500 V Y	180-240 V D /310-415 V Y 450-550 V Y	200...275 V D/345...480 V Y 520...600 V Y	----- -----	400 V D -----		T	1
230 V D/400 V Y 400 V D/690 V Y	200-260 V D /350-450 V Y 350-450 V D /610-725 V Y	230...290 V D/400...500 V Y 400...500 V D/690...725 V Y	400 V D -----	----- -----		T T T	3 6 7

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

