

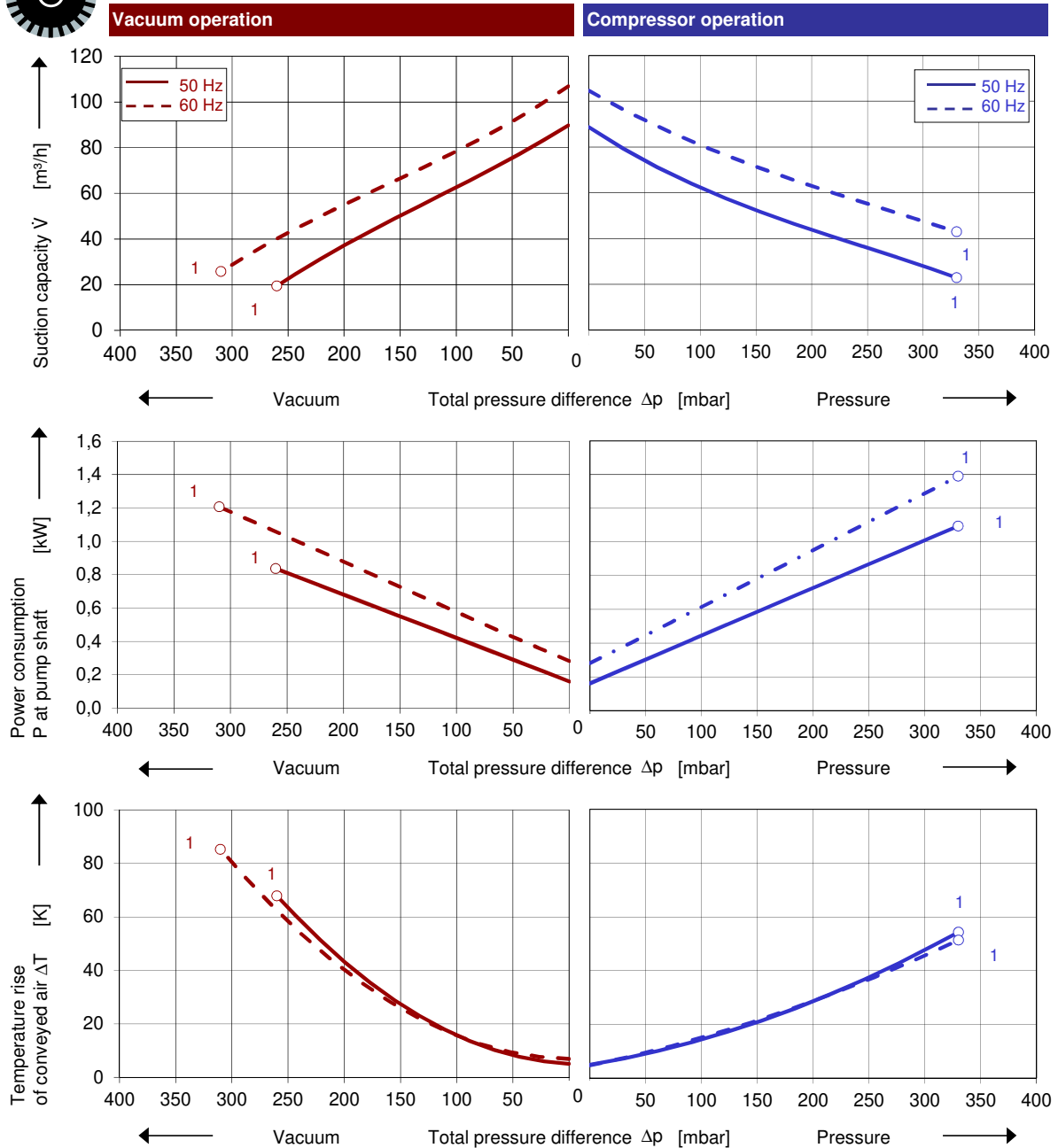
G-BH7

Data sheet BH7009-1 (2BH7410)

Side channel blower with 1 phase motor



Performance curves



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.

Every G-BH 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. The vacuum pumps / compressors are UL and CSA approved.

Selection and ordering data

Type BH7009-1 (2BH7410)

No.	Fre- quency Hz	Rated			Max. differential pressure		Sound pressure level dB(A) ²⁾	Weight Approx. kg	Order No.
		Voltage	Current	Power	Vacuum	Pressure			
		V	A	kW	mbar ¹⁾				
1~ 50/60 Hz, IP55, Insulation material class F, motor with UL, with attached capacitor for cont. Operation									
1	50	115 Δ / 230 Y	17,0 Δ / 8,0 Y	1,1	-260	330	63	28	BH7009-1AAB-FV5-BA0
	60	115 Δ / 230 Y	16,0 Δ / 8,0 Y	1,3	-310	330	67		
1	50						63	28	BH7009-1AAB-FV4-BA0
	60						67		

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 G-BH match the 2006/42/EC (machinery) and 2014/35/EU (low voltage) directives and the EN 60034 norm "Rotating electrical machines".

The motors comply with EN 60 034 (IEC 60034) and thermal class F.

For three phase motors tolerances are +/-10% for fixed voltage motors and +/-5% for voltage range motors. Single phase machines are designed with a +/- 5% tolerance.

The frequency tolerance is +/- 2 % maximum.

Motor for alternate voltages [V]

Voltage range		Fixed voltage		c  us	60 Hz	BH7009-1. <input type="checkbox"/> <input type="checkbox"/>
50 Hz	60 Hz	50 Hz	60 Hz			
1~						
		100 / 200	100 / 200	•		V 4
		115 / 230	115 / 230	•		V 5

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 show



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