

G-BH2 N

Data sheet 2BH2 0360-2

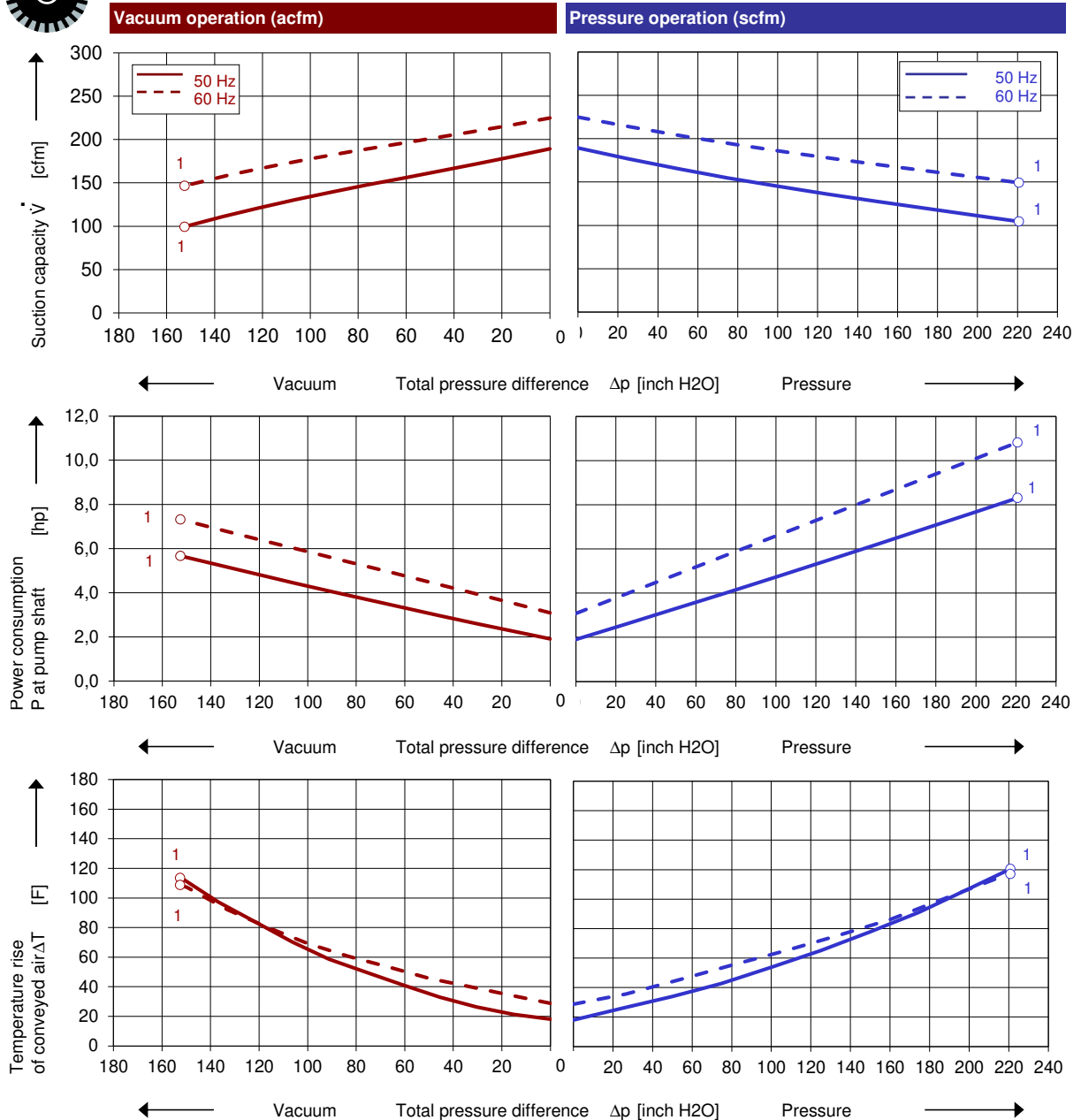
Side channel blower in ATEX configuration



IE3



Performance curves



The performance curves are based on air at a temperature of 59 F and an atmospheric pressure of 29.92 inch Hg with a tolerance of $\pm 10\%$. The total Suction capacity relates to inlet conditions. Pressure capacity relates to atmospheric conditions. For other conditions please contact Elmo Rietschle.

Every G-BH pump can be used both as vacuum pump and compressor in continuous operation over the total performance curve range. Blowers with 2014/34/EU (ATEX Directive) are available for categories 3GD and 3/2D as fixed voltage machines for 50 and 60 Hz. For category 3/2G 50 Hz or 60 Hz versions only are available.

Selection and ordering data											
Type 2BH2 0360-2											
No.	Fre- quenc y Hz	Rated			Max. differential pressure		Sound pressure level dB(A)	Weight Approx. lbs	Drege of pro- tection	ATEX categor y	Order No.
		Voltage	Current	Power	Vacuu	Pressure					
		V	A	hp	inch	H2O					
IE3 3~ 50/60 Hz, Insulation material class F, Temperature class T3 3GD											
1	50	230 Δ / 400 Y	22,5 Δ / 13,1 Y	10,1	-153	221	70	249	IP55	3GD 2)	2BH20360-2AADN1-BA-Z Z=M74
	60	460 Y	13,0 Y	11,5	-153	221	76				

- 1) Surface sound pressure levels are according 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).
- 2) The abbreviations „D“ and „G“ used include the subcategories (i) for „inside“ and (o) for „outside“. Examples:
M74/75: 3GD includes 3(i) and 3(o)  II 3G IIB T3 Gc and II 3D IIIB T125°C Dc

All G-BH fulfil the directives 2006/42 / EC (machines) and 2014/34 / EU (ATEX directive) as well as the standards EN 60079-0 / EN (potentially explosive areas: equipment - general requirements / device protection through increased safety "e ") and ISO 80079-36 (Explosive atmospheres: non-electrical devices for use in explosive atmospheres - basics and requirements).
The motors comply with thermal class F in efficiency class IE3. The voltage tolerance is designed according to the standards mentioned above.
The frequency tolerance is +/- 2 % maximum.

Other Voltages [V]						
ATEX-category	50 Hz	60 Hz	2BH2.....	□	□	-Z Z=
3~						
3GD	230 Δ / 400 Y 400 Δ / 690 Y 500 Δ	460 Y 460 Δ 575 Δ		D D D	1 6 5	M74

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 shown.



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