

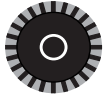
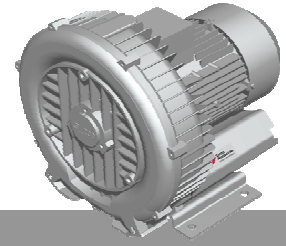


**Elmo
Rietschle**
A Gardner Denver Product

G-BH1

Data sheet 2BH1 200

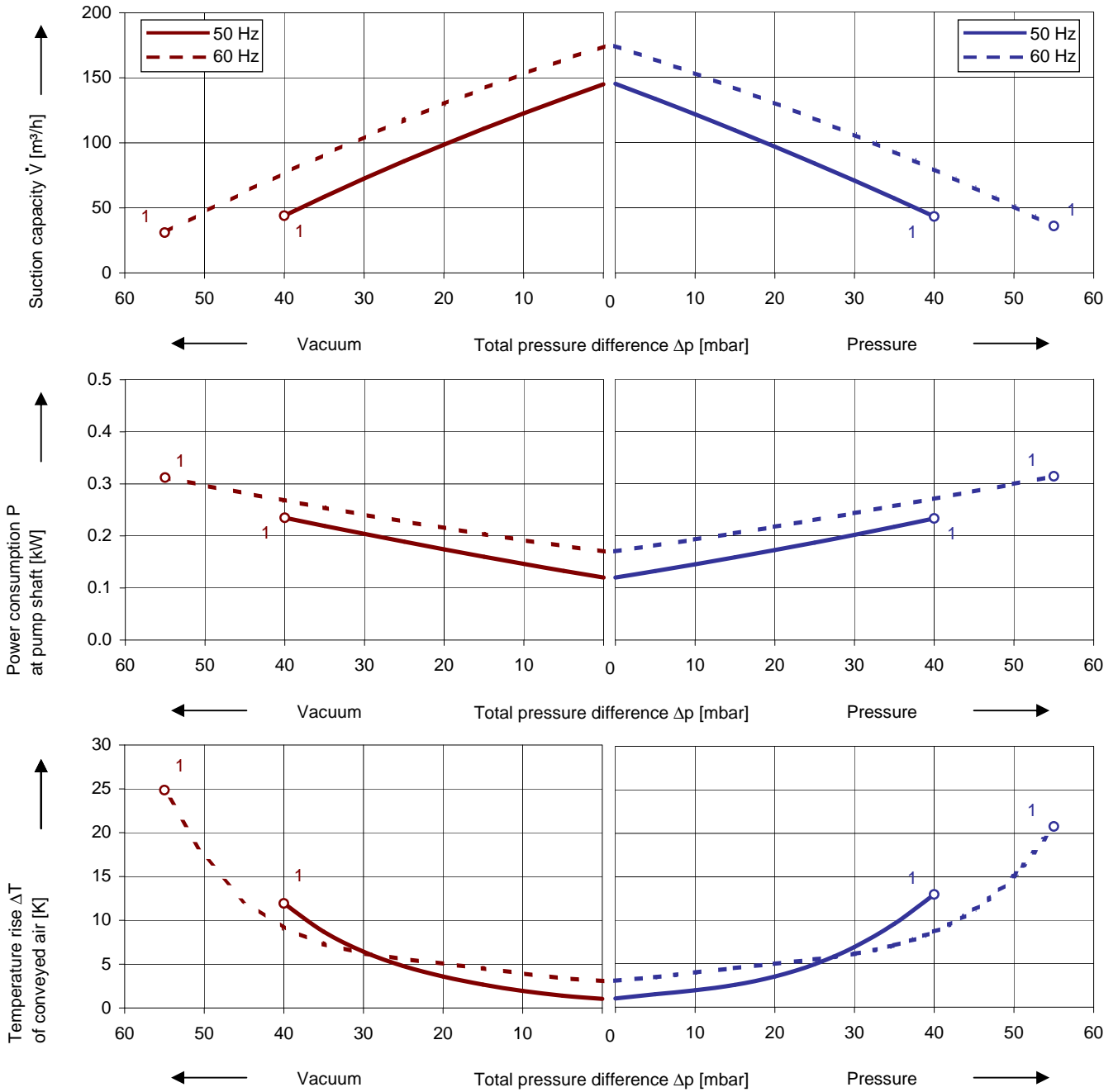
Side channel blower



Performance curves

Vacuum operation

Compressor operation



Selection and ordering data

Type 2BH1 200

No.	Fre- quency	Rated			Max. differential pressure ²⁾		Sound pressure level ³⁾	Weight Approx. kg	Order No.
		Voltage ¹⁾	Current	Power	Vacuum	Pressure			
					Hz	V			
3- 50/60 Hz, IP55, Insulation material class F, UL 507 and CSA 22.2 No 113 (certificate number E225239)									
1	50	200 - 240 Δ / 345 - 415 Y	1.38 Δ / 0.8 Y	0.25	-40	40	57	8	2BH1200-7AH06
	60	220 - 275 Δ / 380 - 480 Y	1.74 Δ / 1.0 Y	0.29	-55	55	61		
3- 50/60 Hz, IP55, Insulation material class F, UL 507 and CSA 22.2 No 113 (certificate number E225239)									
1	50	500 Δ	0.72 Δ	0.25	-40	40	57	8	2BH1200-7AC05
	60	575 Δ	0.76 Δ	0.29	-55	55	61		
1- 50/60 Hz, IP55, Insulation material class F, UL 507 and CSA 22.2 No 113 (certificate number E225239), with attached capacitor for cont. operation									
1	50	100 / 200	3.6 / 1.8	0.25	-40	40	57	8	2BH1200-7AV04
	60	100 / 200	6.6 / 3.3	0.32	-55	55	61		
1	50	115 / 230	3.1 / 1.6	0.25	-40	40	57	8	2BH1200-7AV05
	60	115 / 230	5.7 / 2.9	0.32	-55	55	61		
1- 50 Hz, IP55, Insulation material class F, with attached capacitor for cont. operation									
1	50	230	1.95	0.25	-40	40	57	8	2BH1200-7AA01

- In case of frequency converter operation the standard motor insulation system is suitable for converter input voltages up to 460 V.
- Relief valves available for limiting differential pressure.
- 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 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.

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.

Other voltages

50 Hz	50 Hz voltage range	60 Hz voltage range	86 Hz (5000 rpm)	100 Hz (6000 rpm)	2BH1...-7.	□	□
3-							
-----	185 - 225 V Δ / 320 - 390 V Y	200 - 240 V Δ / 345 - 415 V Y	-----	400 V Δ		H	1
-----	200 - 240 V Δ / 345 - 415 V Y	220 - 275 V Δ / 380 - 480 V Y	380 V Δ	-----		H	6
-----	345 - 415 V Δ	380 - 480 V Δ	-----	-----		H	7
-----	500 V Δ	575 V Δ	-----	-----		C	5
IE2 3- ⁵⁾							
200 V Δ / 345 V Y	180 - 240 V Δ / 310 - 415 V Y	200 - 275 V Δ / 345 - 480 V Y	-----	400 V Δ		P	1
500 V Y	450 - 550 V Y	520 - 600 V Y	-----	-----		P	3
230 V Δ / 400 V Y	200 - 260 V Δ / 350 - 450 V Y	230 - 290 V Δ / 400 - 500 V Y	400 V Δ	-----		P	6
400 V Δ / 690 V Y	350 - 450 V Δ / 610 - 725 V Y	400 - 500 V Δ / 690 - 725 V Y	-----	-----		P	7

- Performance can differ if high efficiency motors are used. Please refer to corresponding data sheets.