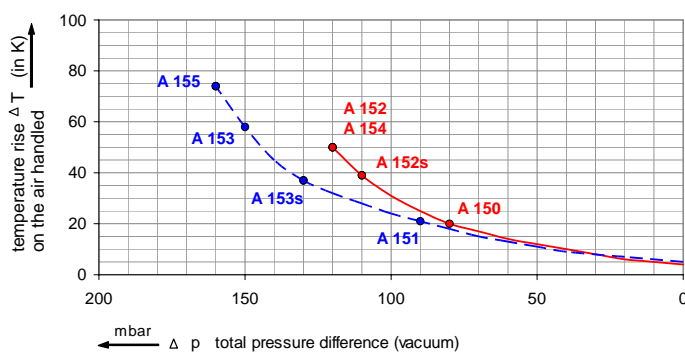
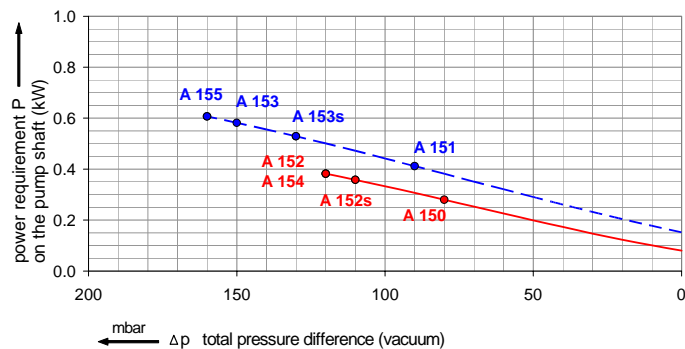
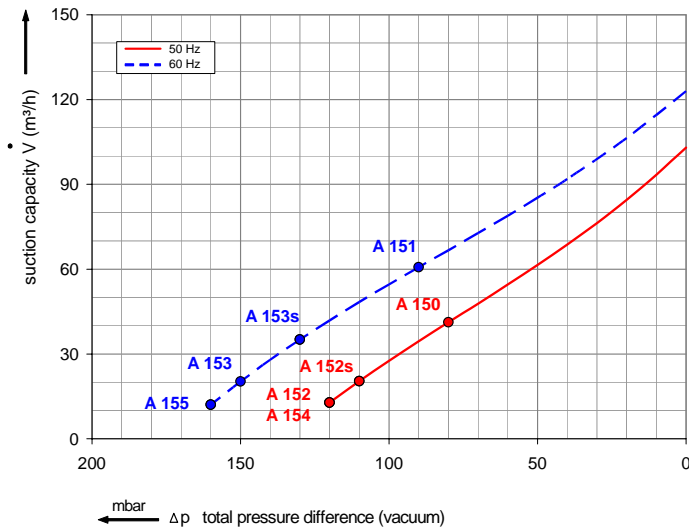


G-BH1

Performance curve for Vacuum pump



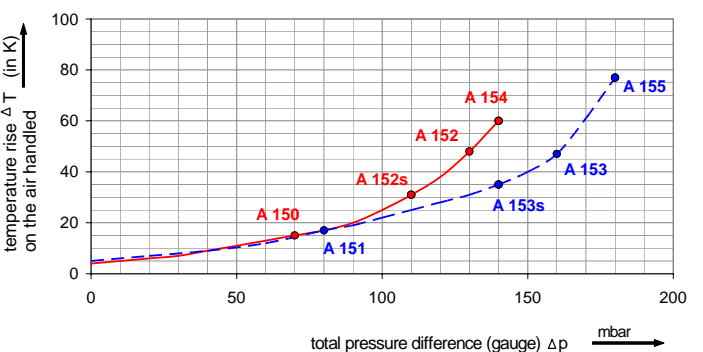
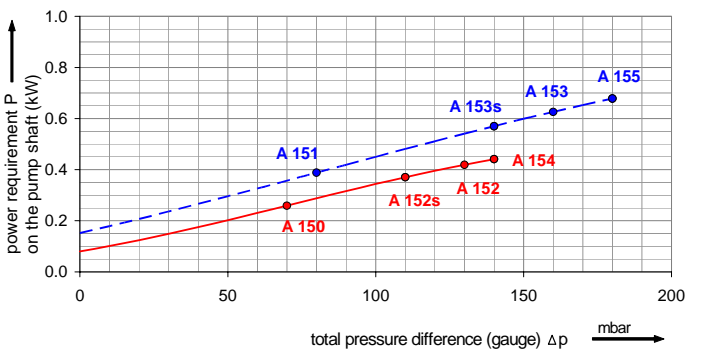
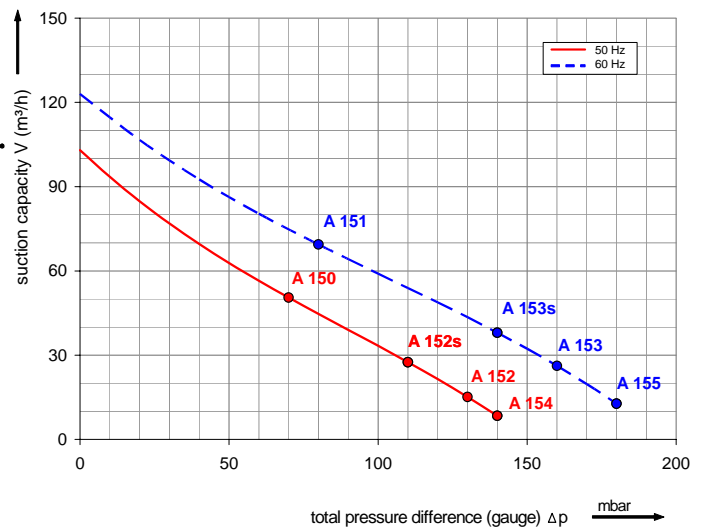
The performance curves are based on air at a temperature of 15 °C and an atmospheric pressure of 1013 mbar with a tolerance of +/- 10 %.

The total pressure differences are valid for suction and ambient temperatures up to 25 °C.

For other conditions please confer with us.

2BH1 330

Performance curve for Compressor



Each G-BH1 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 as well as approved for UL and CSA. Blowers with ATEX 94/9 EG are available, too.

Selection and ordering data

Type 2BH1 330

Curve No.	Order No.	Fre- quency	Rated power	Input voltage	Input current	Permissible total differential pressure ²⁾		Sound pressure level ³⁾	Weight ca.
		Hz	kW	V	A	Vacuum mbar	Compressor mbar	dB(A)	kg

3~ 50/60 Hz IP55 isolation material class F 1)

A 150	2BH1330-7AH06	50	0.25	200D ... 240D	345Y ... 415Y	2.1 D	1.2 Y	-80	70	54	11
A 151	2BH1330-7AH06	60	0.29	220D ... 275D	380Y ... 480Y	1.74D	1.0 Y	-90	80	57	9
A 152	2BH1330-7AH16	50	0.4	200D ... 240D	345Y ... 415Y	2.6 D	1.5 Y	-120	130	54	11
A 153	2BH1330-7AH16	60	0.5	220D ... 275D	380Y ... 480Y	2.6 D	1.5 Y	-150	160	57	11
A 154	2BH1330-7AH26	50	0.7	200D ... 240D	345Y ... 415Y	3.8 D	2.2 Y	-120	140	54	12
A 155	2BH1330-7AH26	60	0.83	220D ... 275D	380Y ... 480Y	3.75D	2.15Y	-160	180	57	12

3~ 50/60 Hz IP55 isolation material class F 1)

A 150	2BH1330-7AC05	50	0.25	500D		0.72D		-80	70	54	11
A 151	2BH1330-7AC05	60	0.29	575D		0.76D		-90	80	57	9
A 152	2BH1330-7AC15	50	0.4	500D		1.0 D		-120	130	54	11
A 153	2BH1330-7AC15	60	0.5	575D		1.1 D		-150	160	57	11
A 154	2BH1330-7AC25	50	0.7	500D		1.88D		-120	140	54	12
A 155	2BH1330-7AC25	60	0.83	575D		1.76D		-160	180	57	12

1~ 50/60 Hz IP55 with attached condenser for continuous operation

A 152s	2BH1330-7AV14	50	0.37	100	200	6.5	3.2	-110	110	54	11
A 153s	2BH1330-7AV14	60	0.45	100	200	8.3	4.1	-130	140	57	11
A 152s	2BH1330-7AV15	50	0.37	115	230	5.4	2.7	-110	110	54	11
A 153s	2BH1330-7AV15	60	0.45	115	230	6.0	3.0	-130	140	57	11



Other voltage ranges

2BH1330-7A □ . □

50Hz	60Hz	
3~		
185...225 V D / 320...390 V Y	200...240 V D / 345...415 V Y	H 1
200...240 V D / 345...415 V Y	220...275 V D / 380...480 V Y	H 6
345...415 V D	380...480 V D	H 7
500 V D	575 V D	C 5

Machines according to the ATEX norm 94/4 EG are available for the whole performance range.

Following types available: Category 3 G, 3/2 G, 3 D and 3/2 D.

1~		
100 / 200 V	100 / 200 V	V 4
115 / 230 V	115 / 230 V	V 5

Further voltage range on request; please quote in plain text.

All G-BH1 achieve the standards and norms of the low voltage directive 72/23/EWG, rotating electrotechnical motor EN 60034-1-34, electromagnetic compatibility (EMC) DIN EN 61000-3-6/-4.

- For standard UL for ELECTRIC FANS UL 507 and CSA 22.2 No. 13 for Fans and Ventilators (Certificate Number E225239).
- Relief-valve are available for limiting differential pressure.
- Measuring-surface sound-pressure level acc. to DIN EN 21680, measured at a distance of 1 m. The pump is throttled to an average suction pressure, a hose is connected to the discharge side (vacuum pump) / suction side (compressor), but is not fitted with relief valves.

The motors are designed according to the DIN EN 60 034 / DIN IEC 34-1 and temperature class F.

For the three phase machines the tolerances are +/- 10 % for fixed voltage and +/- 5 % for voltage range.

The single phase machines are designed with a +/- 5 % tolerances. If only 90 % of the maximum allowed pressure will be used for the continuous operating then the allowed voltage range add to +/- 10 %.

For all single and three phase machines which designed according to the UL and CSA norm (UL 507 and CSA 22.2 No. 100) the maximum allowed voltage tolerances are - 10 % resp. + 6 %.

The frequency tolerance is maximum +/- 2 %.

Changes in particular the quoted performance curve, datas and weights without prior notice. The figures are without obligations.

**Gardner
Denver**

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