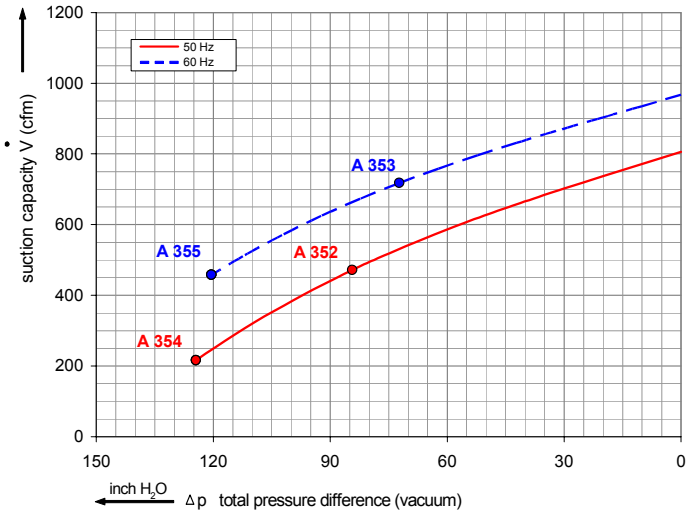
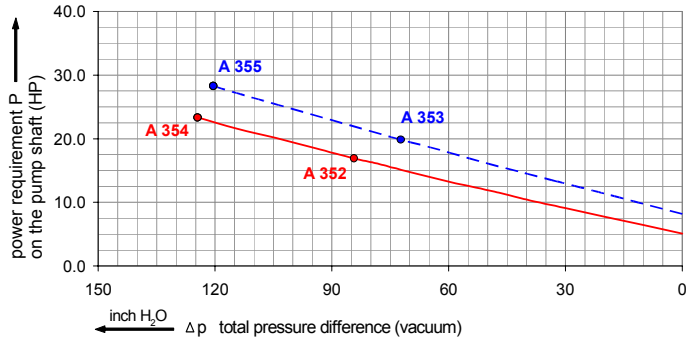
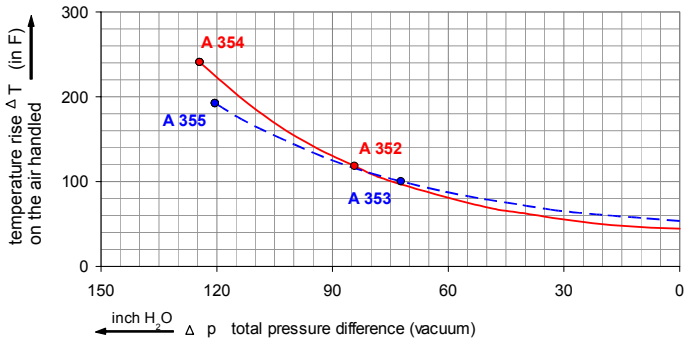
2BH1 930

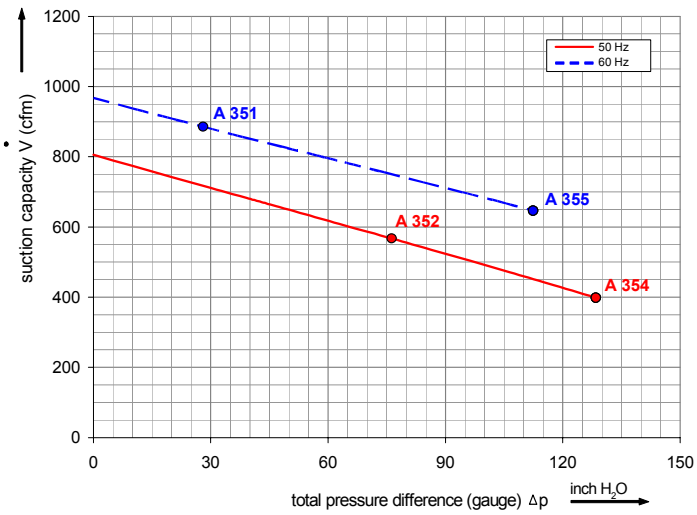
Performance curve for Vacuum pump

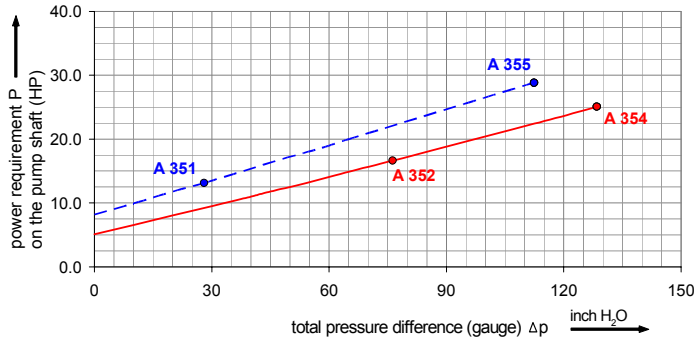


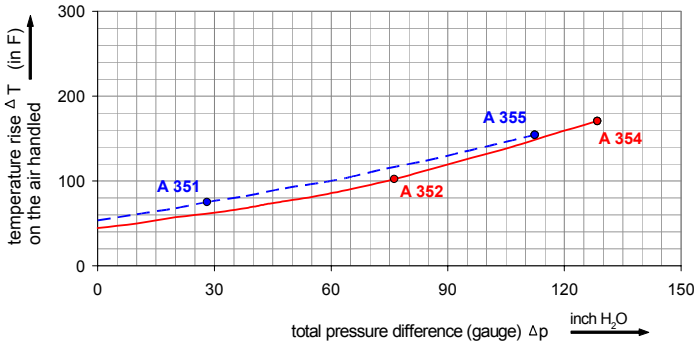




Performance curve for Compressor







The performance curves are based on air at a temperature of 59 F and an atmospheric pressure of 401.53 inch H2O with a tolerance of +/- 10 %.
The total pressure differences are valid for suction and ambient temperatures up to 77 F.
For other conditions please confer with us.

Each G_200 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 approbated for UL and CSA. Blowers with ATEX 94/9 EG are available, too.

Selection and ordering data

Type 2BH1 930

Curve No.	Order No.	Fre-quency Hz	Rated power HP	Input voltage V		Input current A		Permissible total differential pressure ²) Vacuum inch H2O	Compressor inch H2O	Sound pressure level ³) dB(A)	Weight ca. lbs
3~ 50/60 Hz IP55 isulation material class F 1)											
A 350	2BH1930-7AH06	50	11.39	200D ... 240D	345Y ... 415Y	33.0D	19.1Y	-48	44	75	383
A 351	2BH1930-7AH06	60	13.14	220D ... 275D	380Y ... 480Y	33.0D	19.1Y	-32	28	80	383
A 352	2BH1930-7AH16	50	16.76	200D ... 240D	345Y ... 415Y	48.5D	28.0Y	-84	76	75	425
A 353	2BH1930-7AH16	60	19.44	220D ... 275D	380Y ... 480Y	50.0D	29.0Y	-72	64	80	425
A 354	2BH1930-7AH36	50	24.80	200D ... 240D	345Y ... 415Y	64.5D	37.0Y	-124	128	75	454
A 355	2BH1930-7AH36	60	28.55	220D ... 275D	380Y ... 480Y	68.0D	39.0Y	-120	112	80	454

Other voltage ranges

2BH1930-7A ☐ . ☐

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.

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

All G_200 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.

1) For standard UL for ELECTRIC FANS UL 507 and CSA 22.2 No. 13 for Fans and Ventilators (Certificate Number E225239).

2) Relief-valve are available for limiting differential pressure.

3) Measuring-surface sound-pressure level acc. to DIN EN 21680, measured at a distance of 3.28 ft. 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.

For all 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.

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