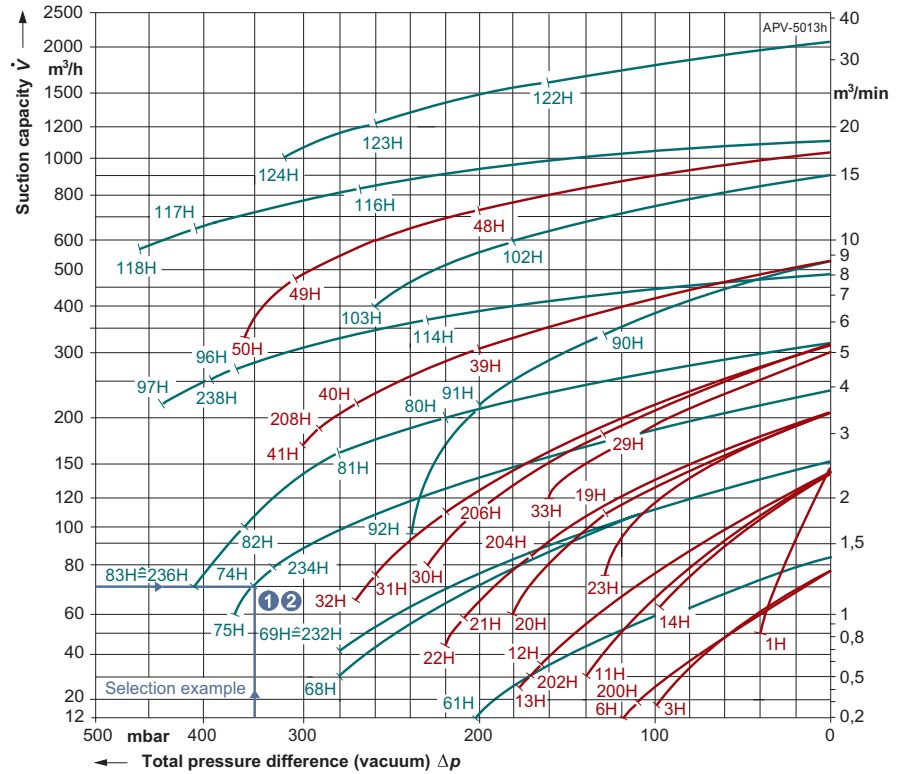


ELMO-G Vacuum Pumps/Compressors, Range 2BH1, Three-Phase 50 Hz

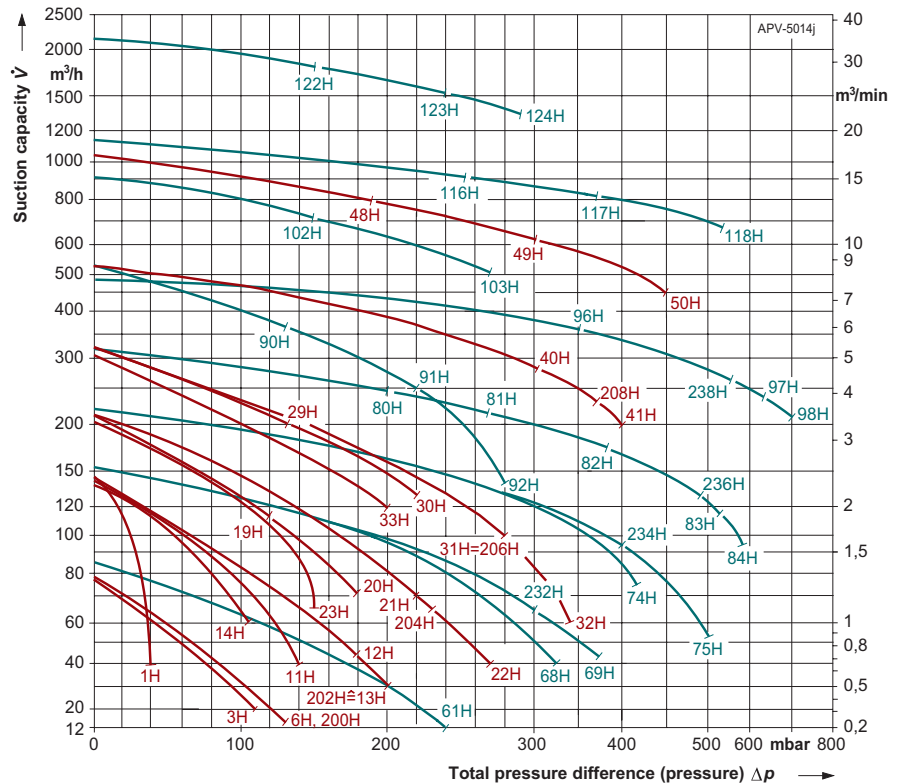
G



Selection diagram vacuum operation



Selection diagram compressor operation



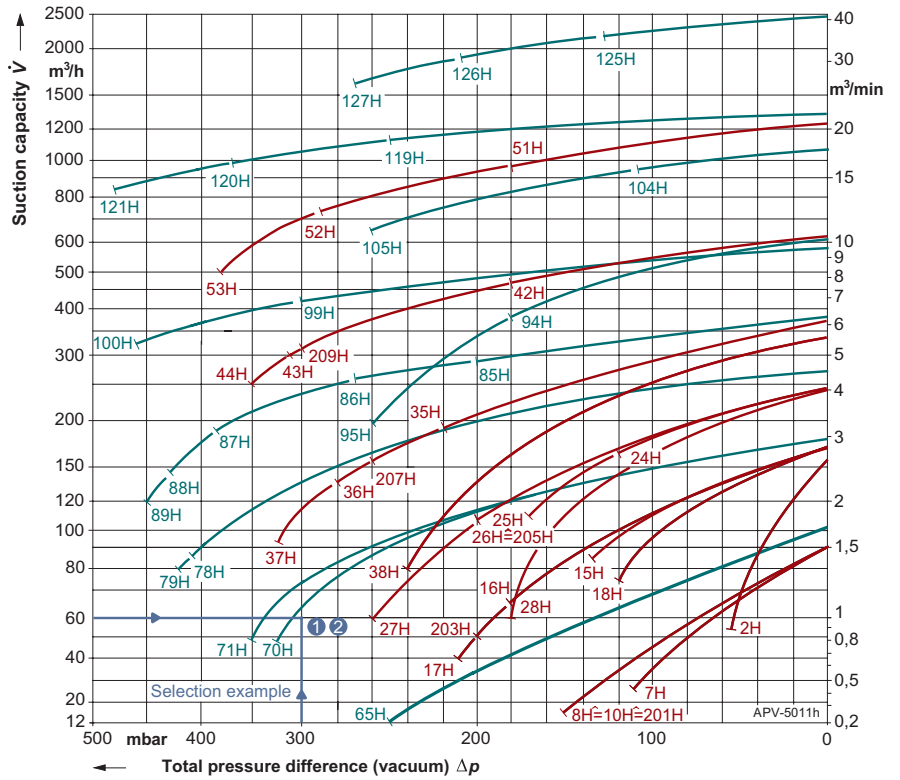
The performance curves are valid for pumping air at 15 °C at the inlet flanges with an air pressure of 1013 mbar with a tolerance of $\pm 10\%$. The total pressure differences are valid up to an intake and ambient temperature of 25 °C.

ELMO-G Vacuum Pumps/Compressors, Range 2BH1, Three-Phase 60 Hz

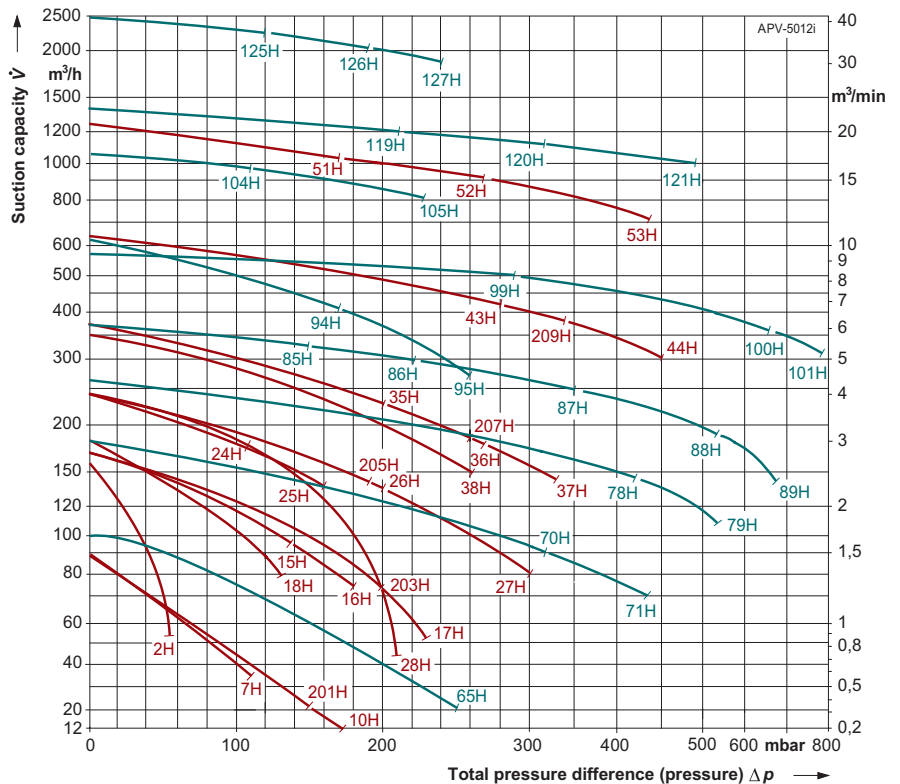
G



Selection diagram, vacuum operation



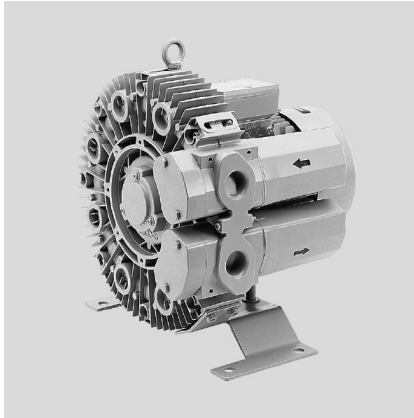
Selection diagram, compressor operation



The performance curves apply for pumping air at 15 °C at the inlet flanges with an air pressure of 1013 mbar with a tolerance of $\pm 10\%$. The total pressure differences apply up to an intake and ambient temperature of 25 °C.

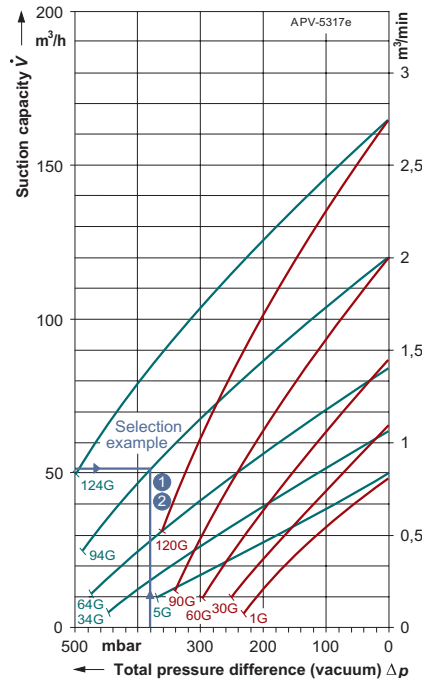
ELMO-G Vacuum Pumps/Compressors, Range 2BH7, Three-Phase 50/60 Hz

G

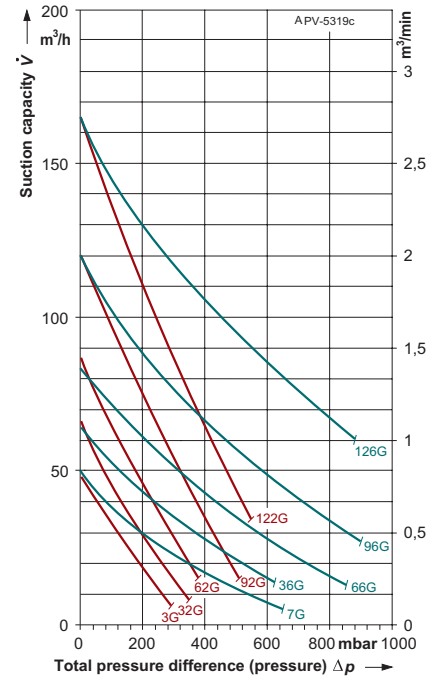


Selection diagram

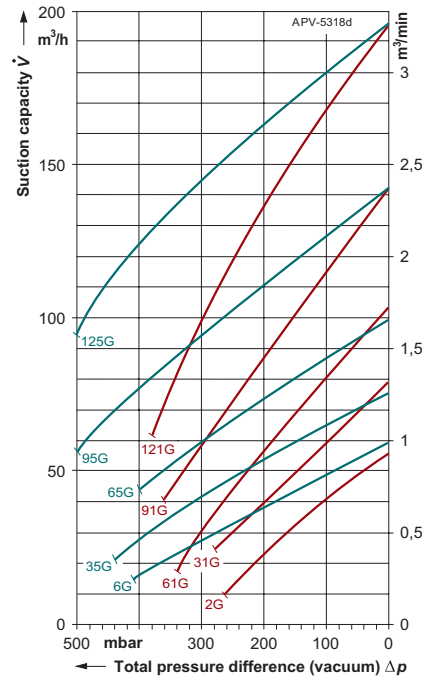
Vacuum operation 50 Hz



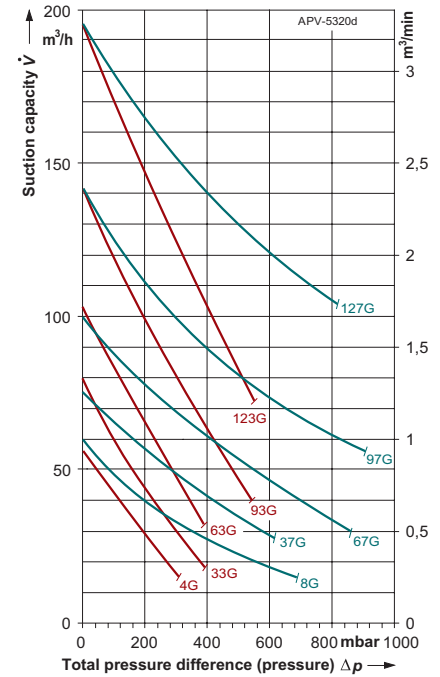
Compressor operation 50 Hz



Vacuum operation 60 Hz



Compressor operation 60 Hz



The performance curves are valid for pumping air at 15 °C at the inlet flanges with an air pressure of 1013 mbar with a tolerance of ±10%. The total pressure differences are valid up to an intake and ambient temperature of 25 °C.

ELMO-G Vacuum Pumps/Compressors, Range 2BH7, Three-Phase 50/60 Hz

Selection and ordering information for 50 Hz 3AC, IP 55							
Curve No.	Motor		Sound-pressure level 1)	Order No. •AVAILABLE EX STOCK	Weight approx. kg	Vacuum-relief valve 2) Items x Type 2BX2...	Pressure-relief valve 2) Items x Type 2BX2...
	output kW	Rated current A					
Vacuum pumps							
1G	0.55	3.55 Δ / 2.05 Υ	57	•2BH7 210-0A C 1 1 -7	16	1 x 110/141	—
30G	0.55	3.55 Δ / 2.05 Υ	57	2BH7 310-0A C 1 1 -7	16	1 x 110/141	—
60G	1.1	5.7 Δ / 3.3 Υ	58	•2BH7 410-0A C 1 1 -7	23	1 x 110/141	—
90G	1.5	6.3 Δ / 3.65 Υ	64	•2BH7 510-0A C 1 1 -8	26	1 x 110/141	—
120G	2.2	9.7 Δ / 5.6 Υ	65	•2BH7 610-0A C 1 1 -8	32	1 x 110/141	—
5G	1.3	3.1 Δ / 1.8 Υ	58	•2BH7 220-0A C 2 1 -7	24	1 x 110/141	—
34G	1.5	6.3 Δ / 3.65 Υ	59	2BH7 320-0A C 5 1 -7	28	1 x 110/141	—
64G	1.5	6.3 Δ / 3.65 Υ	61	•2BH7 420-0A C 2 1 -7	33	1 x 110/141	—
94G	2.2	9.7 Δ / 5.6 Υ	64	•2BH7 520-0A C 2 1 -8	40	1 x 110/141	—
124G	3.3	11.8 Δ / 6.8 Υ	67	•2BH7 620-0A C 3 1 -8	48	1 x 110/141	—
Compressors							
3G	0.55	3.55 Δ / 2.05 Υ	57	•2BH7 210-0A C 1 1 -7	16	—	1 x 111/143
32G	0.81	3.1 Δ / 1.8 Υ	57	•2BH7 310-0A C 2 1 -7	17	—	1 x 111/143
62G	1.1	5.7 Δ / 3.3 Υ	58	•2BH7 410-0A C 1 1 -7	23	—	1 x 111/143
92G	2.2	9.7 Δ / 5.6 Υ	64	•2BH7 510-0A C 2 1 -8	29	—	1 x 111/143
122G	3.3	11.8 Δ / 6.8 Υ	65	•2BH7 610-0A C 3 1 -8	35	—	1 x 111/143
7G	1.5	6.3 Δ / 3.65 Υ	58	•2BH7 220-0A C 5 1 -7	28	—	1 x 111/143
36G	1.5	6.3 Δ / 3.65 Υ	59	•2BH7 320-0A C 5 1 -7	30	—	1 x 111/143
66G	3	11.8 Δ / 6.8 Υ	61	•2BH7 420-0A C 5 1 -7	39	—	1 x 111/143
96G	4	7.8 Δ / 4.5 Υ 4)	65	•2BH7 520-0A C 7 6 -8	51	—	1 x 111/143
126G	5.7	9.4 Δ / 5.4 Υ 4)	68	•2BH7 620-0A C 5 6 -8	65	—	1 x 111/143

Rated voltage 3): 230 Δ / 400 Υ (400 Δ / 690 Υ 4)), 50 Hz

Selection and ordering information for 60 Hz 3AC, IP 55							
Curve No.	Motor		Sound-pressure level 1)	Order No. •AVAILABLE EX STOCK	Weight approx. kg	Vacuum-relief valve 2) Items x Type 2BX2...	Pressure-relief valve 2) Items x Type 2BX2...
	output kW	Rated current A					
Vacuum pumps							
2G	0.63	2.1 Υ	62	•2BH7 210-0A C 1 1 -7	16	1 x 114/142	—
31G	0.63	2.1 Υ	62	2BH7 310-0A C 1 1 -7	16	1 x 114/142	—
61G	1.3	3.25 Υ	62	•2BH7 410-0A C 1 1 -7	23	1 x 114/142	—
91G	1.75	3.7 Υ	68	•2BH7 510-0A C 1 1 -8	26	1 x 114/142	—
121G	2.6	5.8 Υ	71	•2BH7 610-0A C 1 1 -8	32	1 x 114/142	—
6G	0.94	1.9 Υ	62	•2BH7 220-0A C 2 1 -7	24	1 x 114/142	—
35G	1.75	3.7 Υ	63	2BH7 320-0A C 5 1 -7	28	1 x 114/142	—
65G	1.75	3.7 Υ	66	•2BH7 420-0A C 2 1 -7	33	1 x 114/142	—
95G	2.6	5.7 Υ	70	•2BH7 520-0A C 2 1 -8	40	1 x 114/142	—
125G	3.8	6.8 Υ	71	•2BH7 620-0A C 3 1 -8	48	1 x 114/142	—
Compressors							
4G	0.63	2.1 Υ	62	•2BH7 210-0A C 1 1 -7	16	—	1 x 115/144
33G	0.94	1.9 Υ	62	•2BH7 310-0A C 2 1 -7	17	—	1 x 115/144
63G	1.3	3.25 Υ	62	•2BH7 410-0A C 1 1 -7	23	—	1 x 115/144
93G	2.6	5.7 Υ	68	•2BH7 510-0A C 2 1 -8	29	—	1 x 115/144
123G	3.8	6.8 Υ	71	•2BH7 610-0A C 3 1 -8	35	—	1 x 115/144
8G	1.75	3.7 Υ	62	•2BH7 220-0A C 5 1 -7	28	—	1 x 115/144
37G	1.75	3.7 Υ	63	•2BH7 320-0A C 5 1 -7	30	—	1 x 115/144
67G	3.5	6.8 Υ	66	•2BH7 420-0A C 5 1 -7	39	—	1 x 115/144
97G	4.6	8.0 Δ 5)	71	•2BH7 520-0A C 7 6 -8	51	—	1 x 115/144
127G	6.6	9.5 Δ 5)	72	•2BH7 620-0A C 5 6 -8	65	—	1 x 115/144

Rated voltage 3): 460 Υ (460 Δ 5)), 60 Hz

Other voltages		
	2BH7	□ . □
50 Hz: 400 V Δ / 690 V Υ 3) required voltage: ■	↑ C E	↑ 6 9
60 Hz: 460 V Δ 3) required voltage: ■	C F	6 9

■ Please give required voltage in plain text and add M1 Y.
Single-phase AC on request.
e.g. 2BH7 210-0AF19-7
M1 Y
380 V Δ, 60 Hz

Selection example

Application:

e.g. holding and lifting

1) Required duty point:

$V = 52 \text{ m}^3/\text{h}$
 $\Delta p = 380 \text{ mbar}$ at 50 Hz

2) Choose the performance curve which lies closest to the duty point ①.

In this example, No. **94G**

3) Selection and order code:

No. **94G** ≙ Type 2BH7 520-0AC21-8

- 1) Measuring-surface sound-pressure level acc. to EN 21680-1, measured at a distance of 1 m. The pump is throttled to a medium inlet pressure, a hose is connected to the discharge side, and a vacuum-relief valve is not fitted.
- 2) For selecting valves see accessories on pages 16 to 19. The pressure limits of the valves are based on a cooling-agent and ambient temperature of 25 °C.

Rated voltage acc. to DIN IEC 38*	Permissible voltage range acc. to DIN VDE 0530 or DIN IEC 34-1**	Frequency Hz
230 V Δ / 400 V Υ 400 V Δ / 690 V Υ	220...240 V Δ / 380...420 V Υ 380...420 V Δ / 660...725 V Υ	50
460 V Υ 460 V Δ	440...480 V Υ 440...480 V Δ	60

3) Permissible voltage range.

* Voltage tolerance here ±10%.

** This voltage range is also indicated on the rating plate, together with the currents occurring in this range. For this range, the permissible voltage tolerance acc. to DIN VDE 0530 and IEC 34-1 is ±5%.

Accessories see pages 16 to 19.