

G-BH2

Data sheet 2BH20540-3

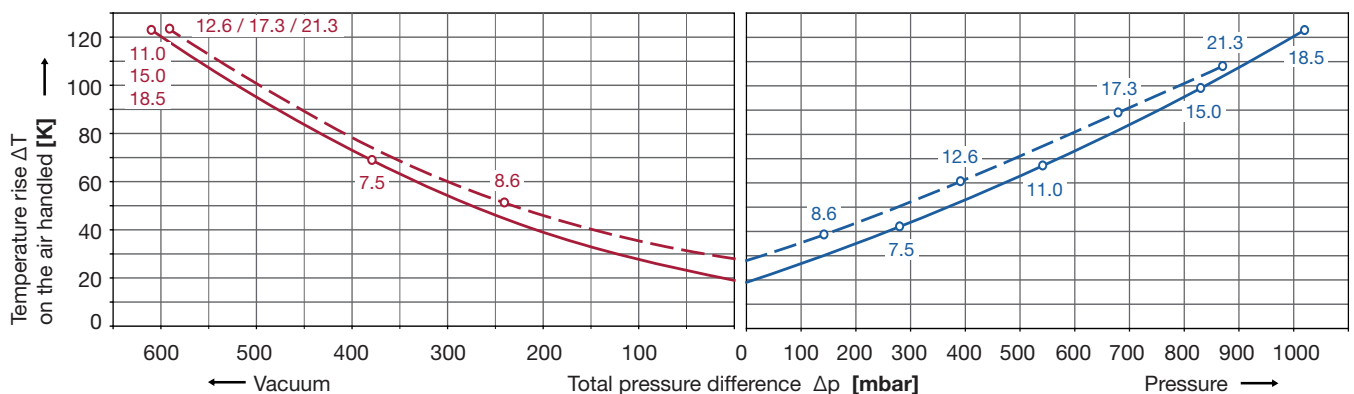
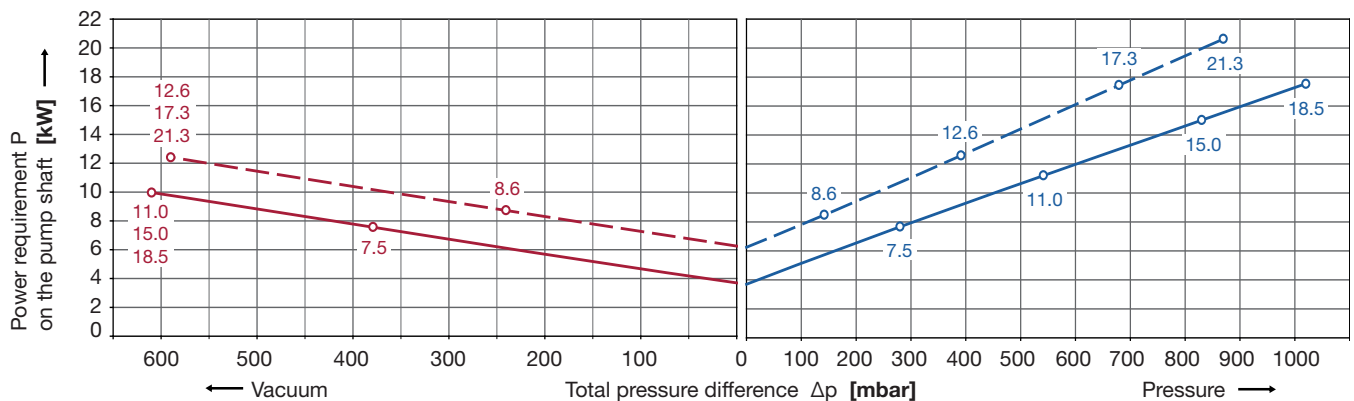
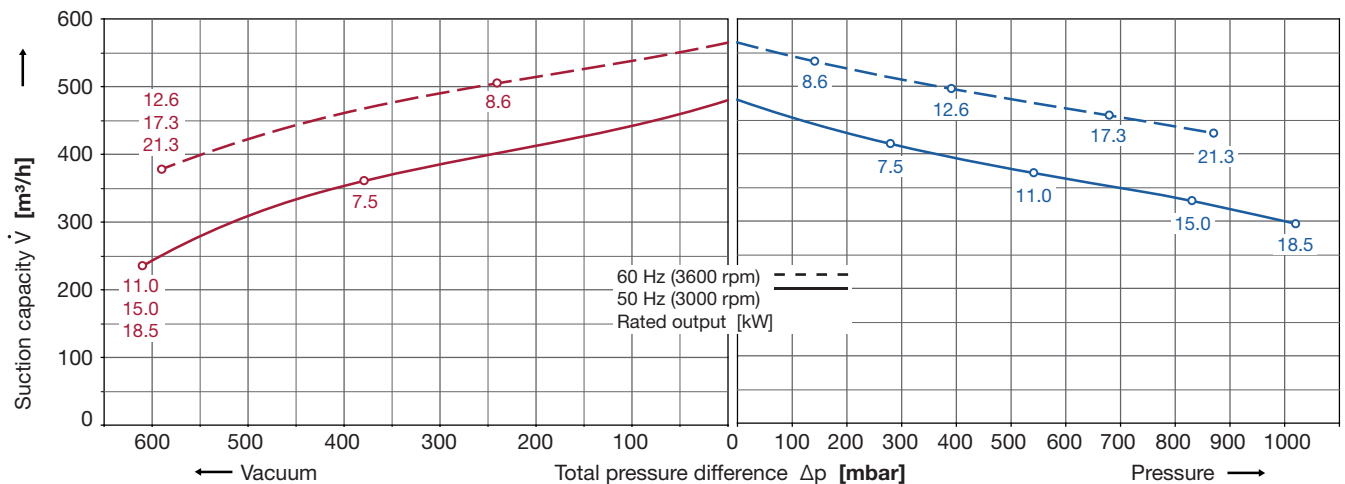
Side channel blower



Performance curves

Vacuum operation

Compressor operation



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 temperature up to 25 °C. For other conditions please confer with us.



Each 2BH2 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 in protection category IP 55 and isolation class F. The vacuum pumps/compressors are approved according to UL and CSA.

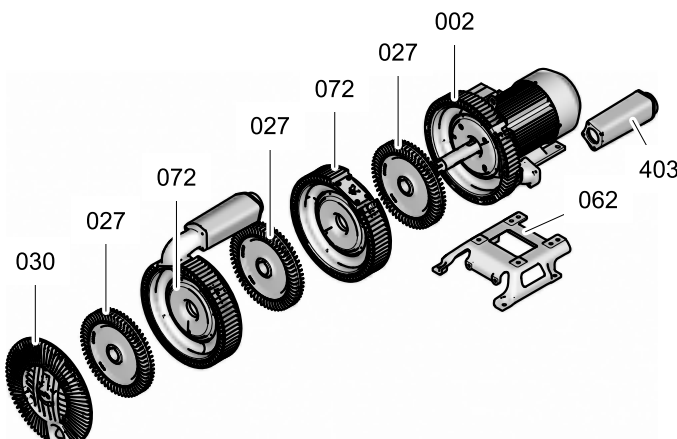
Selection and ordering data								
Rated output	Fre- quency	Rated		max. diff. pressure 1)		Sound- pressure level 2)	Weight ca.	Order-Nr.
		voltage	current	vacuum	pressure			
kW	Hz	V	A	mbar	mbar	dB (A)	kg	
3~ 50/60 Hz, IP55, insulation class F, UL 507 and CSA 22.2 No. 13 (Certificate Number E225239)								
7.5	50	350 - 450 Δ / 610 - 725 Y	15.0 Δ / 8.7 Y	-380	+280	71	161	2BH20540-3AAPN7-AA
8.6	60	400 - 500 Δ	15.1 Δ	-240	+140	77	161	
11.0	50	350 - 450 Δ / 610 - 725 Y	22.0 Δ / 12.7 Y	-610	+540	71	188	2BH20540-3AAP7-AA
12.6	60	400 - 500 Δ	22.0 Δ	-590	+390	77	188	
15.0	50	350 - 450 Δ / 610 - 725 Y	30.5 Δ / 17.3 Y	-610	+830	71	200	2BH20540-3AAPQ7-AA
17.3	60	400 - 500 Δ	29.5 Δ	-590	+680	77	200	
18.5	50	350 - 450 Δ / 610 - 725 Y	37.0 Δ / 21.0 Δ	-610	+1020	71	215	2BH20540-3AAPR7-AA
21.3	60	400 - 500 Δ	36.5 Δ	-590	+870	77	215	

- 1) Relief-valve are available for limiting differential pressure.
- 2) Measuring-surface sound-pressure level acc. to EN ISO 3744, measured on an equivalent unit at a distance of 1 m. The pump is throttled to an average suction pressure, with piping connected, but is not fitted with relief valves, tolerance ±3 dB (A).

All 2BH2 fulfil the directives 98/37/EC (machinery) and 2006/95/EC (low voltage) and the norm EN 60034-1 "Rotating electrical machines".

The motors are designed according to the EN 60034-1/IEC 60034-1 and temperature class F. Voltage tolerance ± 5%.

Other voltages						
50 Hz 	50 Hz voltage ranges	60 Hz voltage ranges 	86 Hz (5000 rpm)	100 Hz (6000 rpm)	2BH20540-3A <input type="checkbox"/> P. <input type="checkbox"/> -AA	
200 V Δ / 345 V Y 500 V Δ 230 V Δ / 400 V Y 400 V Δ / 690 V Y	180 - 240 V Δ / 310 -415 V Y 450 - 550 V Δ 200 - 260 V Δ / 350 - 450 V Y 350 - 450 V Δ / 610 - 725 V Y	200 - 275 V Δ / 345 - 480 V Y 520 - 600 V Δ 230 - 290 V Δ / 400 - 500 V Y 400 - 500 V Δ / 690 - 725 V Y*	----- ----- 400 V Δ -----	400 V Δ ----- ----- -----		<div>1</div> <div>5</div> <div>6</div> <div>7</div>
* No approval according to UL for voltage ranges above 600 V.					standard suction port at cover	<div>A</div> <div>B</div>

Material list		
	No.	Description
	002	Blower housing
	027	Impeller
	030	Blower cover
	062	Base
	072	Centre section
	403	Silencer housing
		Material
		aluminum alloy
		aluminum alloy
		aluminum alloy
		cast irons
		aluminum alloy
		aluminum alloy

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