

# Ceramic



Grade	Maximum Energy Product	Residual Induction	Minimum Intrinsic Coercivity	Coercivity	Maximum Operating Temp	Curie Temp	Coefficient Induction [20-150 °C]	Coefficient Coercivity [20-150 °C]
	$BH_{max}$	$B_r$	$H_{ci}$	$H_c$	$T_{mo}$	$T_c$	$\alpha$	$\beta$
	MGOe	kG	kOe	kOe	°C	°C	% / °C	% / °C
HF010	1.1	2.3	3.2	2.0	250	450	-0.20	0.35
HF050	3.4	3.8	2.5	2.4	250	450	-0.20	0.35
HF070	2.8	3.4	4.0	3.1	250	450	-0.20	0.35
HF081	3.5	3.85	3.1	2.9	250	450	-0.20	0.35
HF082	3.4	3.8	3.9	3.45	250	450	-0.20	0.35
HF083	4.0	4.1	2.9	2.85	250	450	-0.20	0.35
HF084	3.3	3.7	4.8	3.5	250	450	-0.20	0.35
HF085	3.8	4.0	4.0	3.6	250	450	-0.20	0.35

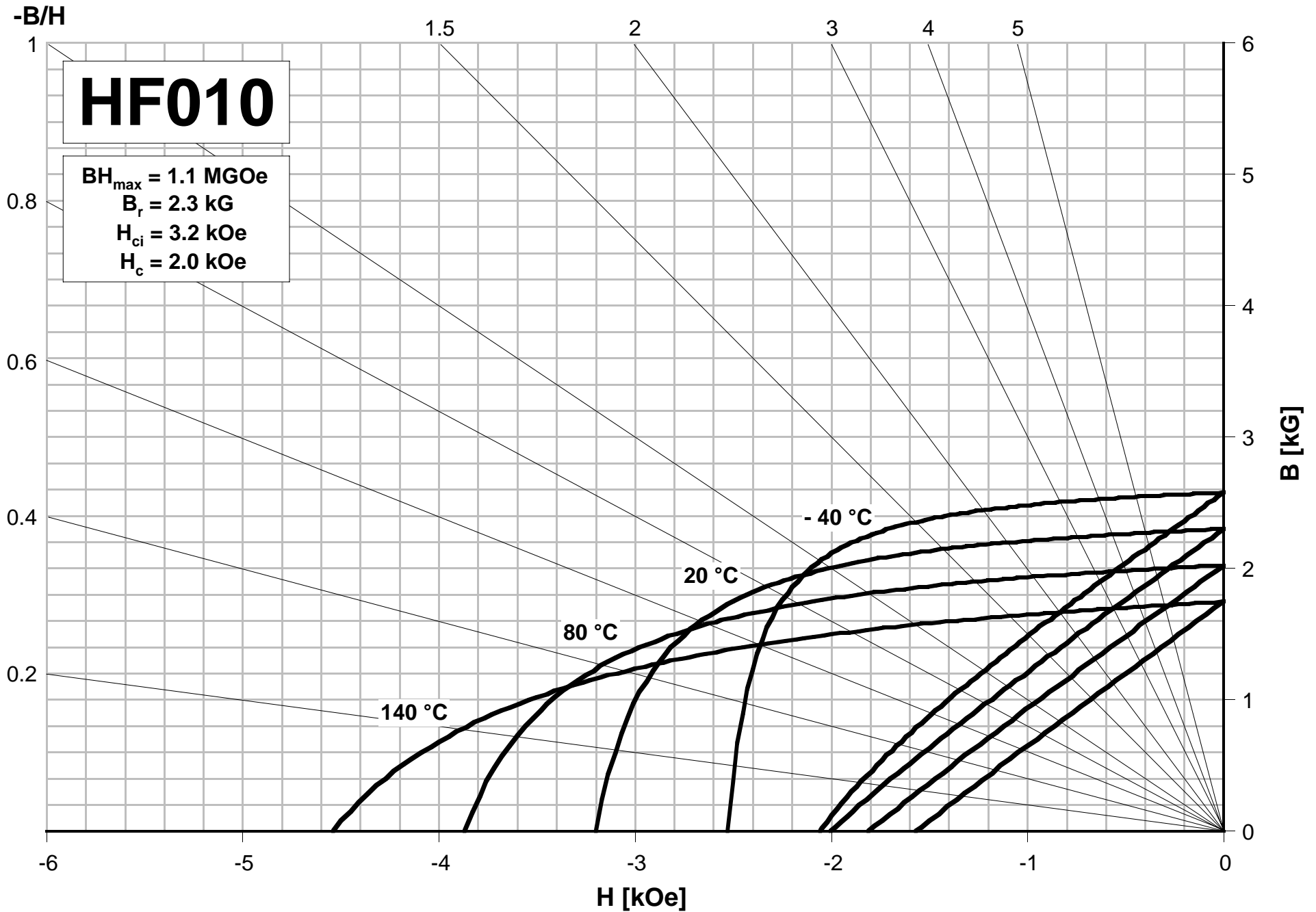
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Typical Physical Properties	
Curie Temperature	450 – 460 °C
Coefficient of Thermal Expansion	+7.0 – +15.0 x 10 <sup>-6</sup> °C <sup>-1</sup>
Electrical Resistivity	>10 <sup>10</sup> μΩ·cm
Density	4.5 – 5.1 g·cm <sup>-3</sup>
Vickers Hardness	480-580 H <sub>v</sub>
Young's Modulus	170 kN·mm <sup>-2</sup>
Bending Strength	0.05 – 0.09 kN·mm <sup>-2</sup>
Compressive strength	1.3 kN·mm <sup>-2</sup>
Tensile Strength	0.02 – 0.05 kN·mm <sup>-2</sup>

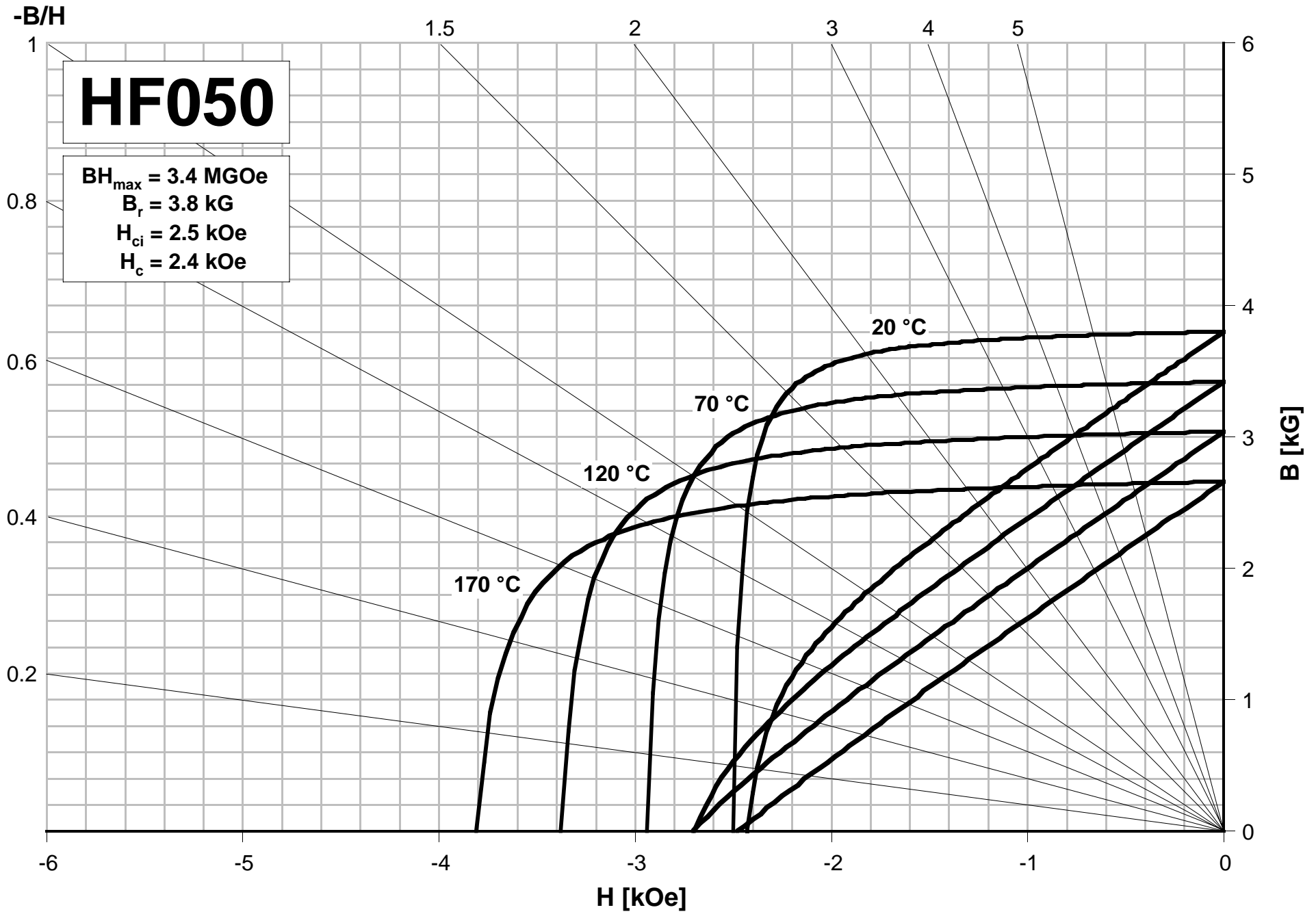
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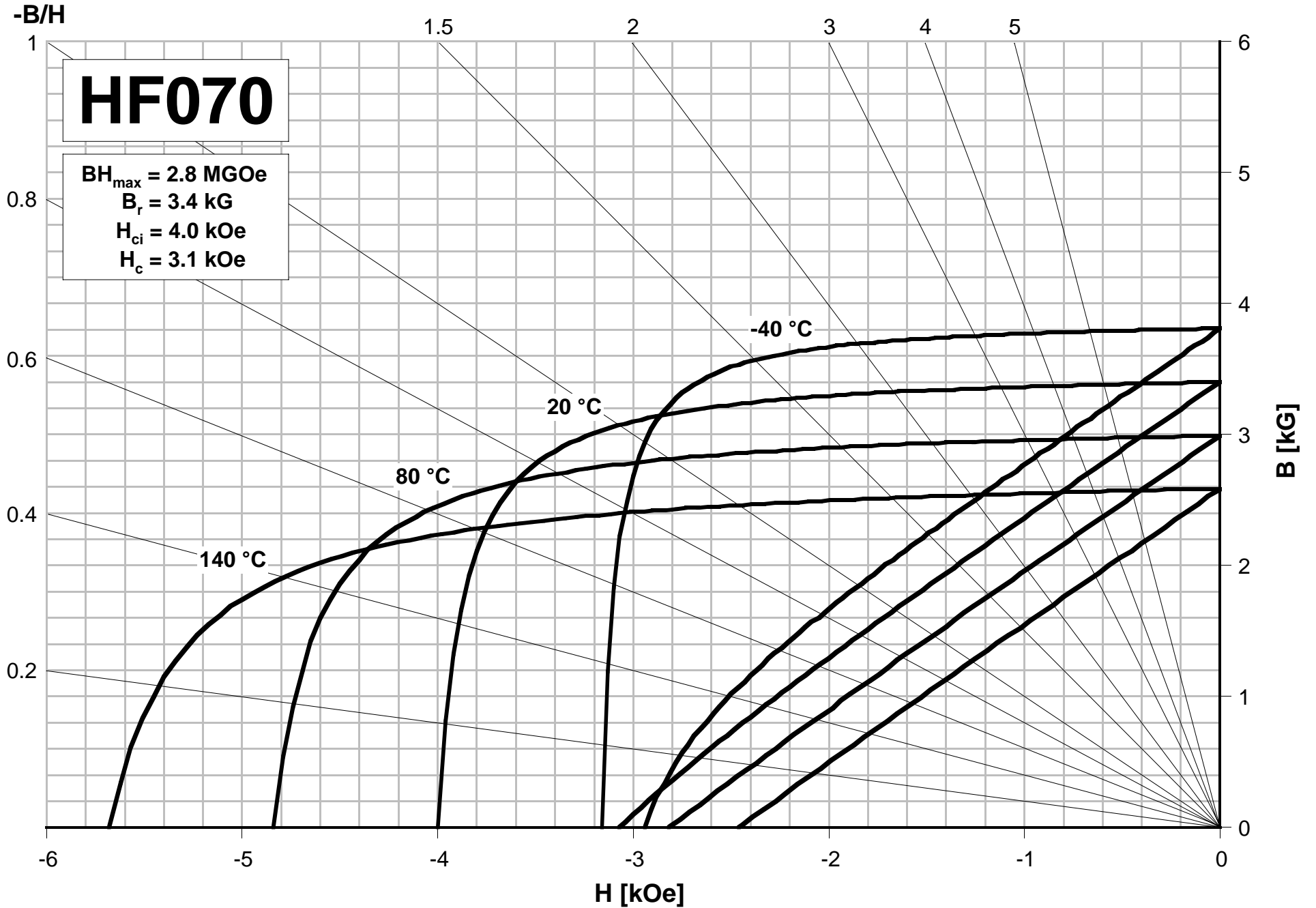
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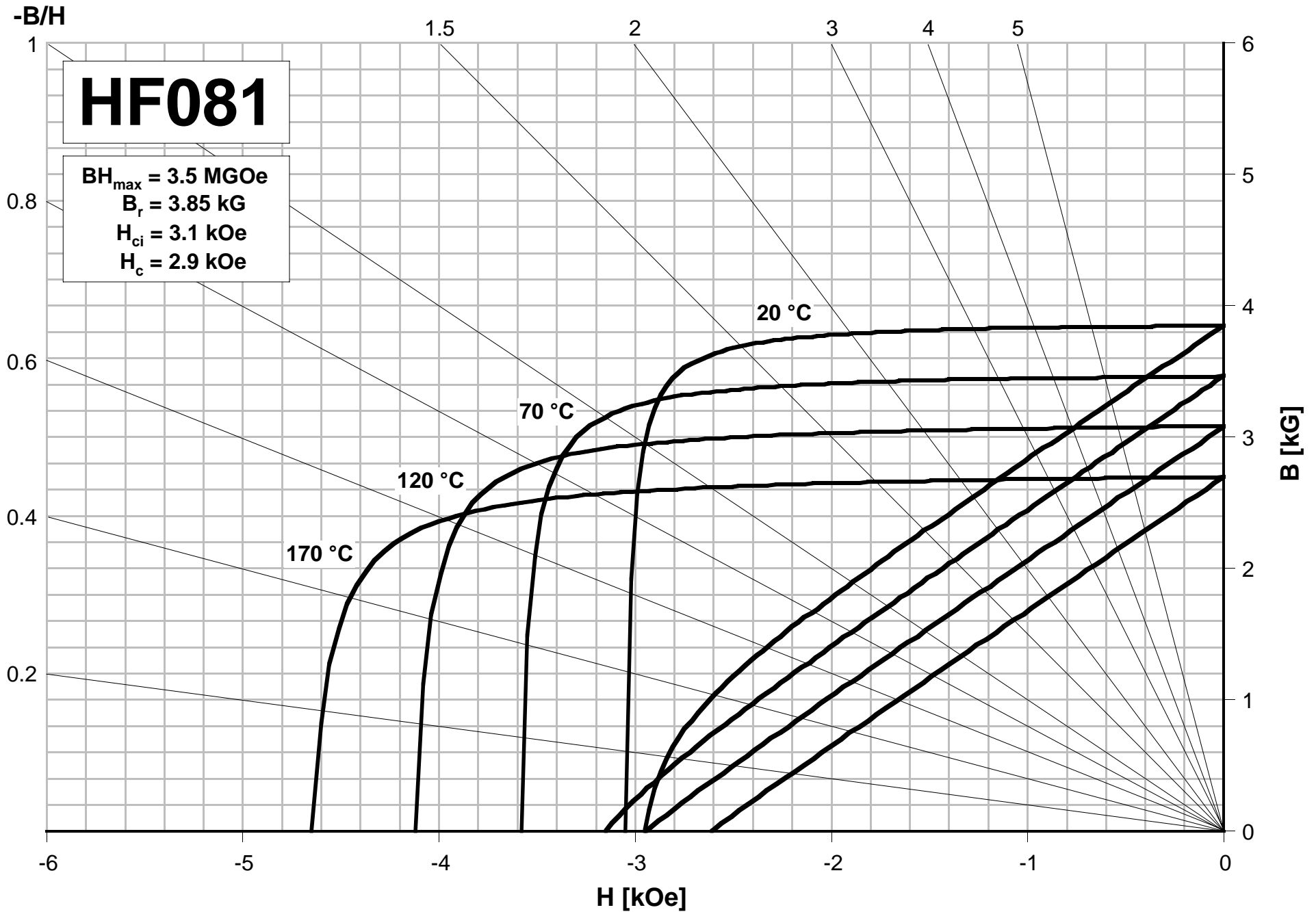
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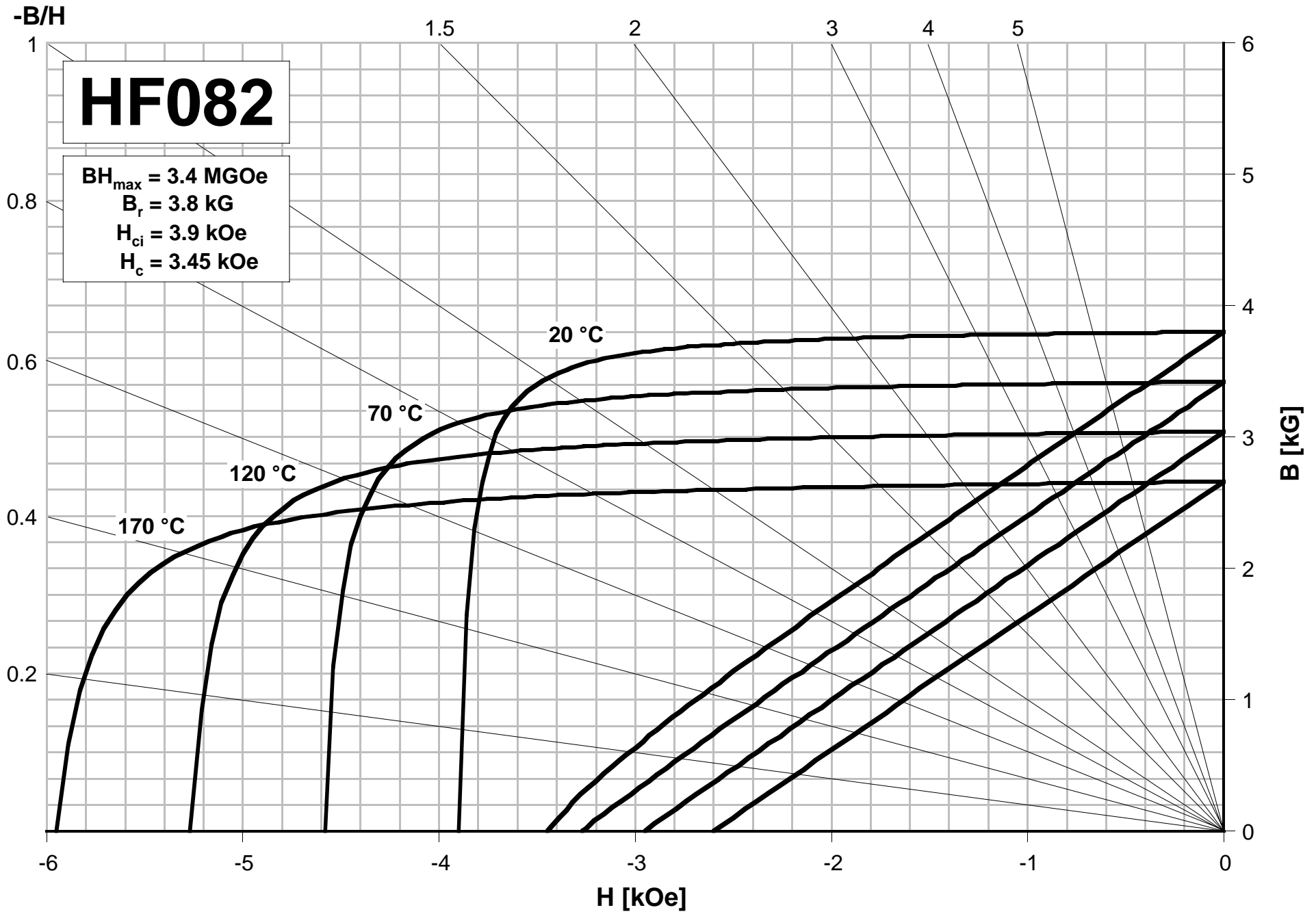
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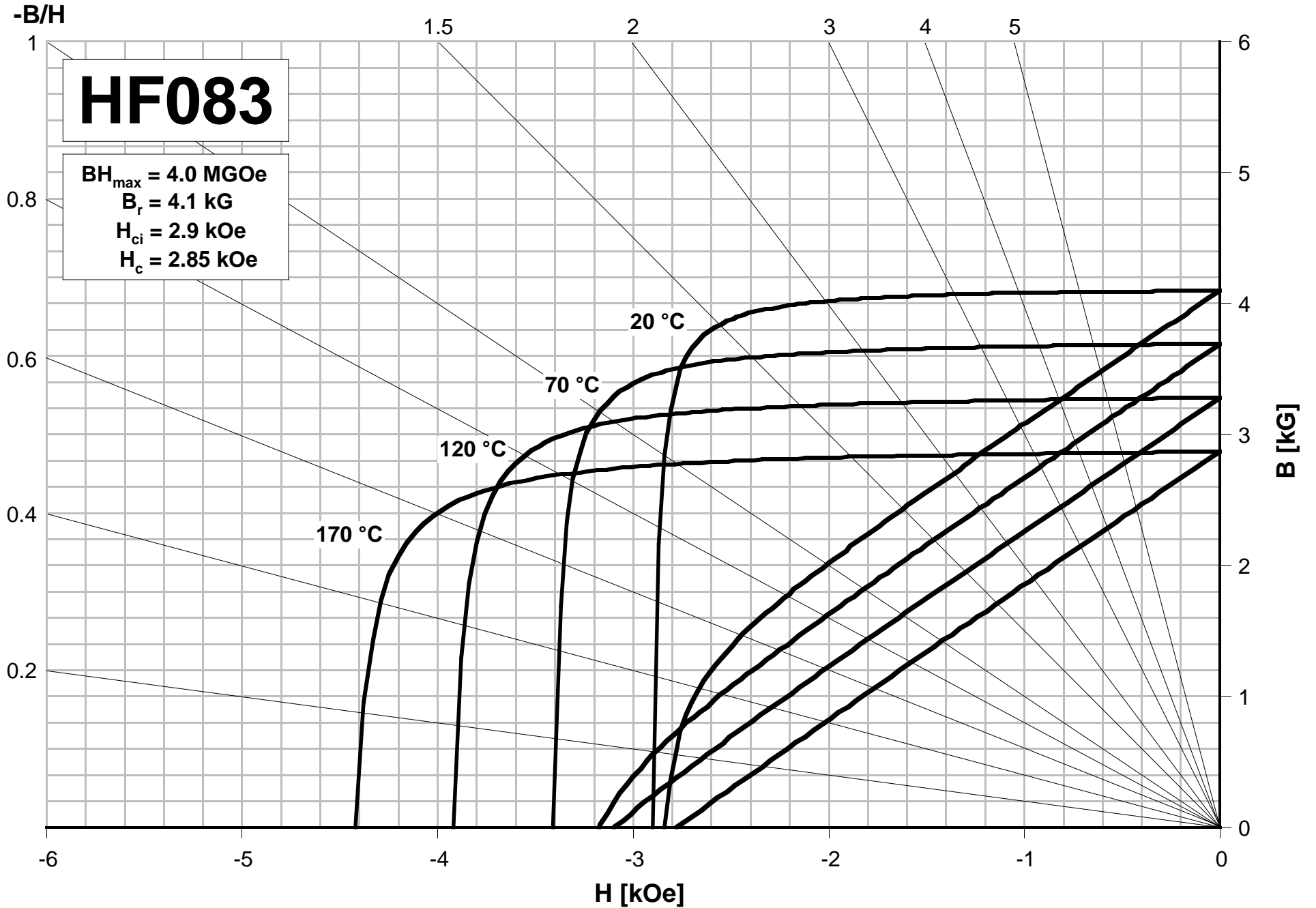
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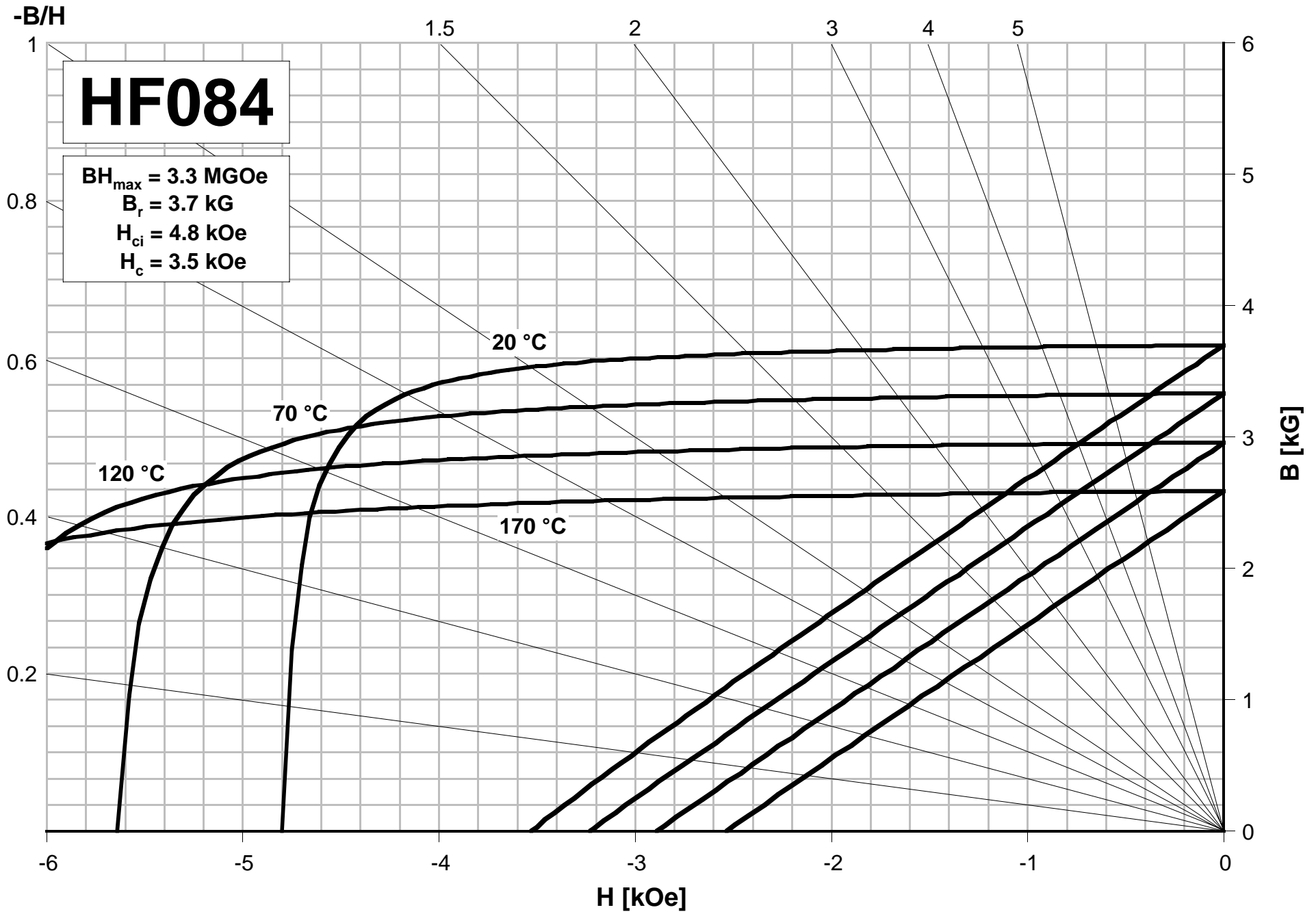
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