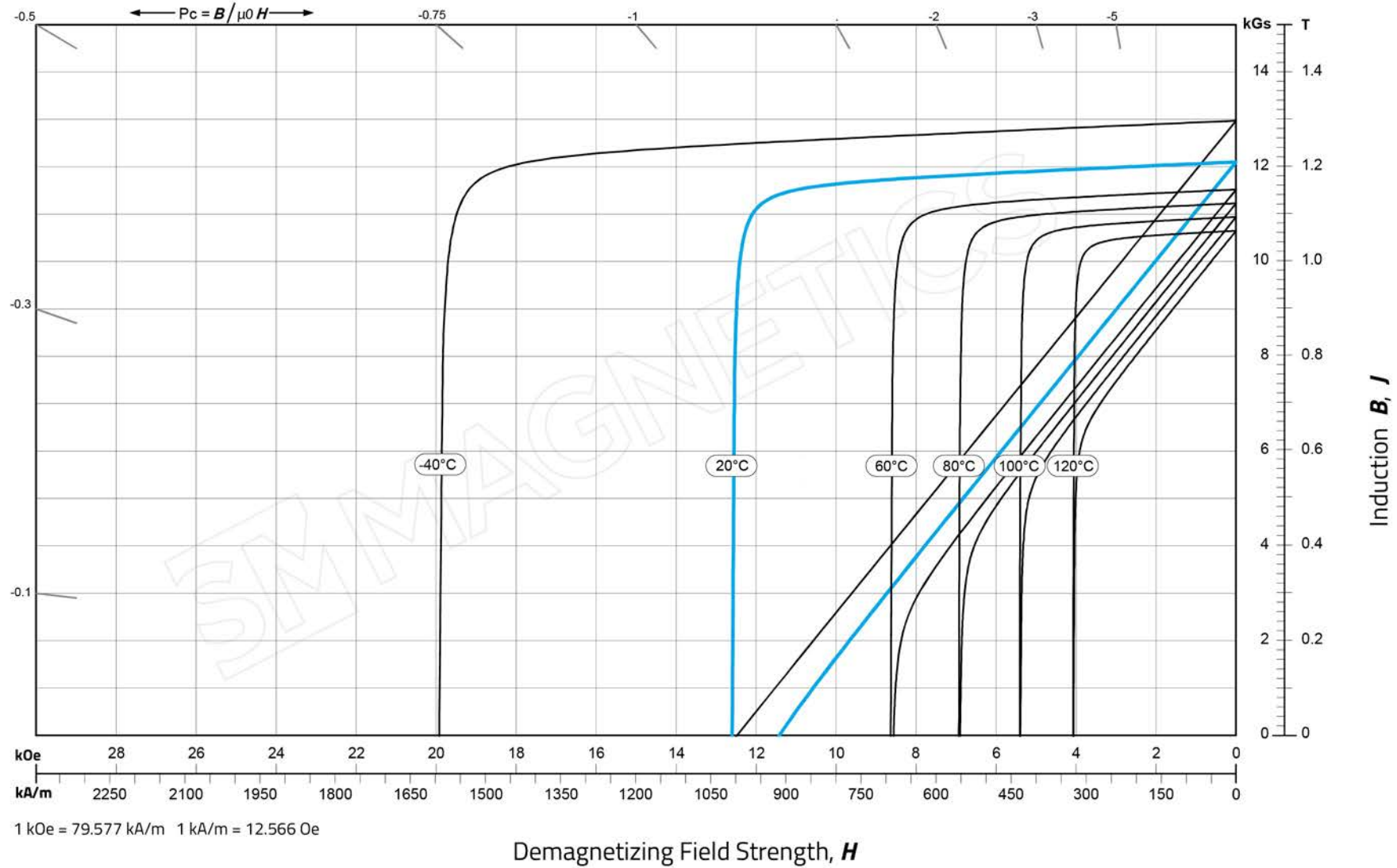


 www.smmagnetics.com sales@smmagnetics.com												
Typical Magnetic Properties of Sintered NdFeB Magnets												
Grade		Remanence		Coercivity				Max Energy Product		Temperature Coefficient		Max Working Temperature
		B _r		H _{cB}		H _{cJ}		(BH) _{max}		α(B _r)	β(H _{cJ})	T _w Max
		T	kGs	kA/m	kOe	kA/m	kOe	kJ/m³	MGOe	%/°C	%/°C	° C
N	N35	1.17-1.22	11.7-12.2	≥867	≥10.9	≥955	≥12	263-287	33-36	-0.12	-0.60	80
	N38	1.22-1.25	12.2-12.5	≥899	≥11.3	≥955	≥12	287-310	36-39	-0.12	-0.60	80
	N40	1.25-1.28	12.5-12.8	≥907	≥11.4	≥955	≥12	302-326	38-41	-0.12	-0.60	80
	N42	1.28-1.32	12.8-13.2	≥915	≥11.5	≥955	≥12	318-342	40-43	-0.12	-0.60	80
	N45	1.32-1.37	13.2-13.7	≥923	≥11.6	≥955	≥12	342-366	43-46	-0.12	-0.60	80
	N48	1.37-1.42	13.7-14.2	≥875	≥11.0	≥955	≥12	366-390	46-49	-0.12	-0.60	80
	N50	1.39-1.44	13.9-14.4	≥836	≥10.5	≥955	≥12	374-406	47-51	-0.12	-0.60	80
	N52	1.42-1.47	14.2-14.7	≥836	≥10.5	≥955	≥12	390-421	49-53	-0.12	-0.60	80
	N54	1.45-1.49	14.5-14.9	≥836	≥10.5	≥876	≥11	406-438	51-55	-0.12	-0.60	80
	N56	1.48-1.52	14.8-15.2	≥836	≥10.5	≥876	≥11	414-454	52-57	-0.12	-0.60	80
M	N33M	1.13-1.17	11.3-11.7	≥836	≥10.5	≥1114	≥14	247-271	31-34	-0.11	-0.60	100
	N35M	1.17-1.22	11.7-12.2	≥868	≥10.9	≥1114	≥14	263-287	33-36	-0.11	-0.60	100
	N38M	1.22-1.25	12.2-12.5	≥899	≥11.3	≥1114	≥14	287-310	36-39	-0.11	-0.60	100
	N40M	1.25-1.28	12.5-12.8	≥923	≥11.6	≥1114	≥14	302-326	38-41	-0.11	-0.60	100
	N42M	1.28-1.32	12.8-13.2	≥955	≥12.0	≥1114	≥14	318-342	40-43	-0.11	-0.60	100
	N45M	1.32-1.38	13.2-13.8	≥995	≥12.5	≥1114	≥14	342-366	43-46	-0.11	-0.60	100
	N48M	1.36-1.42	13.6-14.2	≥1027	≥12.9	≥1114	≥14	366-390	46-49	-0.11	-0.60	100
	N50M	1.39-1.44	13.9-14.4	≥1035	≥13.0	≥1114	≥14	374-406	47-51	-0.11	-0.60	100
	N52M	1.42-1.47	14.2-14.7	≥1059	≥13.3	≥1114	≥14	390-422	49-53	-0.11	-0.60	100
	N54M	1.45-1.49	14.5-14.9	≥1059	≥13.3	≥1114	≥14	406-438	51-55	-0.11	-0.60	100
H	N33H	1.13-1.17	11.3-11.7	≥836	≥10.5	≥1353	≥17	247-271	31-34	-0.11	-0.60	120
	N35H	1.17-1.22	11.7-12.2	≥868	≥10.9	≥1353	≥17	263-287	33-36	-0.11	-0.58	120
	N38H	1.22-1.25	12.2-12.5	≥899	≥11.3	≥1353	≥17	287-310	36-39	-0.11	-0.58	120
	N40H	1.25-1.28	12.5-12.8	≥923	≥11.6	≥1353	≥17	302-326	38-41	-0.11	-0.58	120
	N42H	1.28-1.32	12.8-13.2	≥955	≥12.0	≥1353	≥17	318-342	40-43	-0.11	-0.58	120
	N45H	1.32-1.37	13.2-13.7	≥955	≥12.0	≥1353	≥17	342-366	43-46	-0.11	-0.58	120
	N48H	1.36-1.42	13.6-14.2	≥995	≥12.5	≥1353	≥17	366-390	46-49	-0.11	-0.58	120
	N50H	1.39-1.44	13.9-14.4	≥1035	≥13.0	≥1353	≥17	374-406	47-51	-0.11	-0.58	120
	N52H	1.42-1.47	14.2-14.7	≥1035	≥13.0	≥1353	≥17	390-422	49-53	-0.11	-0.58	120
	N54H	1.45-1.49	14.5-14.9	≥1059	≥13.3	≥1273	≥16	406-438	51-55	-0.11	-0.58	120
SH	N33SH	1.13-1.17	11.3-11.7	≥844	≥10.6	≥1592	≥20	247-271	31-34	-0.11	-0.55	150
	N35SH	1.17-1.22	11.7-12.2	≥876	≥11.0	≥1592	≥20	263-287	33-36	-0.11	-0.55	150
	N38SH	1.22-1.25	12.2-12.5	≥907	≥11.4	≥1592	≥20	287-310	36-39	-0.11	-0.55	150
	N40SH	1.25-1.28	12.5-12.8	≥939	≥11.8	≥1592	≥20	302-326	38-41	-0.11	-0.55	150
	N42SH	1.28-1.32	12.8-13.2	≥987	≥12.4	≥1592	≥20	318-342	40-43	-0.11	-0.55	150
	N45SH	1.32-1.37	13.2-13.7	≥979	≥12.3	≥1592	≥20	342-366	43-46	-0.11	-0.55	150
	N48SH	1.36-1.42	13.6-14.2	≥995	≥12.5	≥1592	≥20	358-390	45-49	-0.11	-0.55	150
	N50SH	1.39-1.45	13.9-14.5	≥995	≥12.5	≥1592	≥20	374-406	47-51	-0.11	-0.55	150
	N52SH	1.42-1.47	14.2-14.7	≥1035	≥13.0	≥1592	≥20	390-422	49-53	-0.11	-0.55	150
	N54SH	1.45-1.49	14.5-14.9	≥1059	≥13.3	≥1592	≥20	406-438	51-55	-0.11	-0.55	150
UH	N28UH	1.04-1.08	10.4-10.8	≥764	≥9.6	≥1990	≥25	207-231	26-29	-0.10	-0.50	180
	N30UH	1.08-1.13	10.8-11.3	≥812	≥10.2	≥1990	≥25	223-247	28-31	-0.10	-0.50	180
	N33UH	1.13-1.17	11.3-11.7	≥852	≥10.7	≥1990	≥25	247-271	31-34	-0.10	-0.50	180
	N35UH	1.17-1.22	11.7-12.2	≥860	≥10.8	≥1990	≥25	263-287	33-36	-0.10	-0.50	180
	N38UH	1.22-1.25	12.2-12.5	≥876	≥11.0	≥1990	≥25	287-310	36-39	-0.10	-0.50	180
	N40UH	1.25-1.28	12.5-12.8	≥915	≥11.5	≥1990	≥25	302-326	38-41	-0.10	-0.50	180
	N42UH	1.27-1.32	12.7-13.2	≥955	≥12.0	≥1990	≥25	318-342	40-43	-0.10	-0.50	180
	N45UH	1.32-1.37	13.2-13.7	≥995	≥12.5	≥1990	≥25	342-366	43-46	-0.10	-0.50	180
	N48UH	1.38-1.42	13.8-14.2	≥1031	≥12.9	≥1990	≥25	366-390	46-49	-0.10	-0.50	180
	N50UH	1.39-1.44	13.9-14.4	≥1035	≥13.0	≥1990	≥25	374-406	47-51	-0.10	-0.50	180
	N52UH	1.42-1.47	14.2-14.7	≥1035	≥13.0	≥1990	≥25	390-422	49-53	-0.10	-0.50	180
	N28EH	1.04-1.08	10.4-10.8	≥780	≥9.8	≥2388	≥30	207-231	26-29	-0.10	-0.46	200
	N30EH	1.08-1.13	10.8-11.3	≥812	≥10.2	≥2388	≥30	223-247	28-31	-0.10	-0.46	200
EH	N33EH	1.13-1.17	11.3-11.7	≥820	≥10.3	≥2388	≥30	248-271	31-34	-0.10	-0.46	200
	N35EH	1.17-1.22	11.7-12.2	≥875	≥11.0	≥2388	≥30	263-287	33-36	-0.10	-0.46	200
	N38EH	1.20-1.25	12.0-12.5	≥899	≥11.3	≥2388	≥30	287-310	36-39	-0.10	-0.46	200
	N40EH	1.25-1.28	12.5-12.8	≥915	≥11.5	≥2388	≥30	302-326	38-41	-0.10	-0.46	200
	N42EH	1.28-1.32	12.8-13.2	≥970	≥12.2	≥2388	≥30	318-342	40-43	-0.10	-0.46	200
	N45EH	1.32-1.36	13.2-13.6	≥1003	≥12.6	≥2388	≥30	342-366	43-46	-0.10	-0.46	200
	N48EH	1.38-1.42	13.8-14.2	≥1031	≥12.9	≥2388	≥30	366-390	46-49	-0.10	-0.46	200
	N50EH	1.39-1.44	13.9-14.4	≥1035	≥13.0	≥2388	≥30	374-406	47-51	-0.10	-0.46	200
	N28AH	1.05-1.09	10.5-10.9	≥780	≥9.8	≥2706	≥34	207-231	26-29	-0.10	-0.42	220
	N30AH	1.10-1.14	11.0-11.4	≥812	≥10.2	≥2706	≥34	223-247	28-31	-0.10	-0.42	220
AH	N33AH	1.14-1.17	11.4-11.7	≥812	≥10.2	≥2706	≥34	247-271	31-34	-0.10	-0.42	220
	N35AH	1.17-1.22	11.7-12.2	≥883	≥11.1	≥2706	≥34	263-287	33-36	-0.10	-0.42	220
	N38AH	1.20-1.25	12.0-12.5	≥915	≥11.5	≥2706	≥34	287-310	36-39	-0.10	-0.42	220
	N40AH	1.25-1.28	12.5-12.8	≥947	≥11.9	≥2706	≥34	302-326	38-41	-0.10	-0.42	220
	N42AH	1.28-1.32	12.8-13.2	≥970	≥12.2	≥2706	≥34	318-342	40-43	-0.10	-0.42	220

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N35

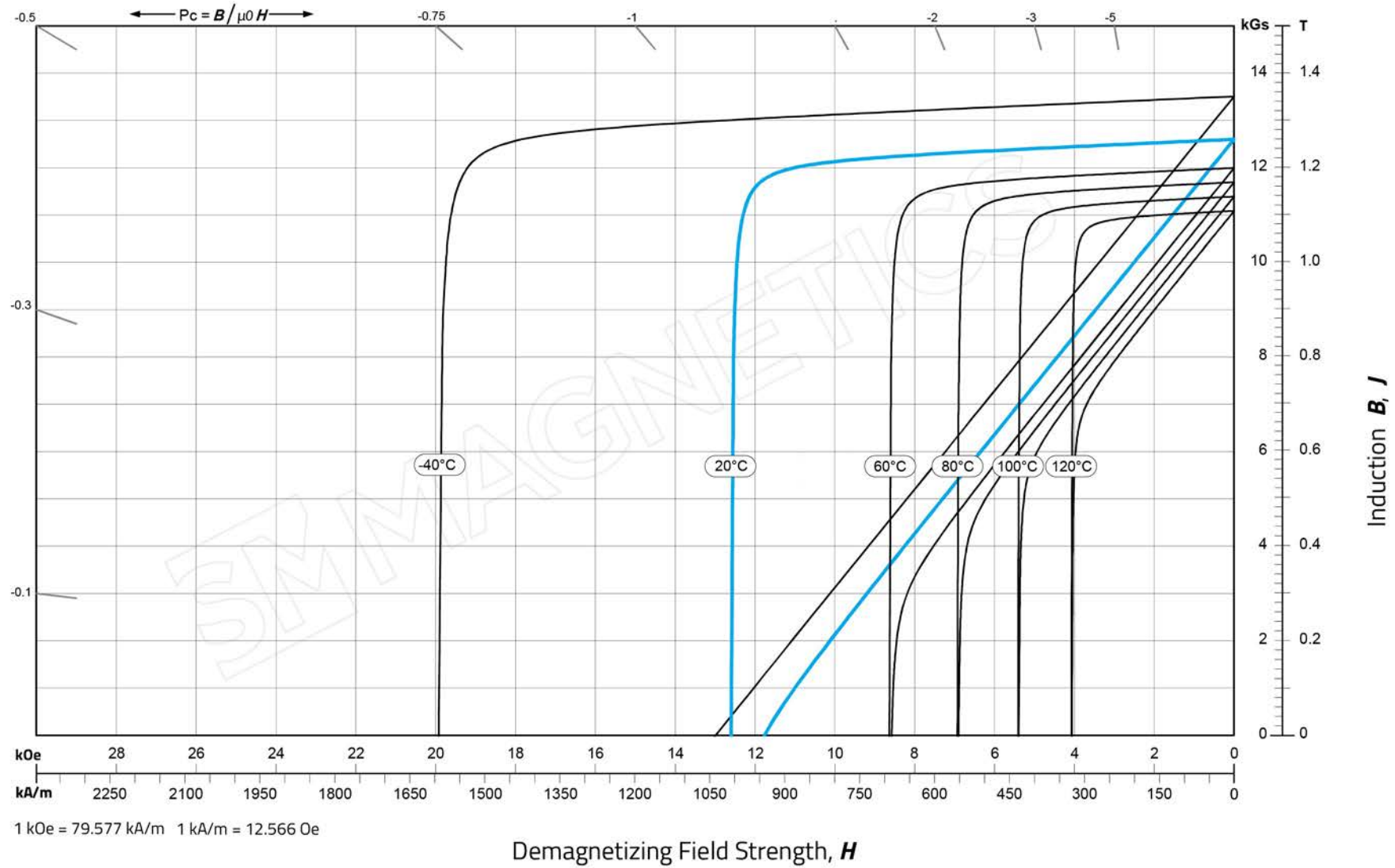
B_r (Remanence):
11.7 - 12.2 kGs
1.17 - 1.22 T

H_{cB} (Normal Coercivity):
 ≥ 10.8 kOe
 ≥ 860 kA/m

H_d (Intrinsic Coercivity):
 ≥ 12.0 kOe
 ≥ 955 kA/m

$(BH)_{max}$ (Max Energy Product):
33 - 36 MGOe
263 - 287 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N38

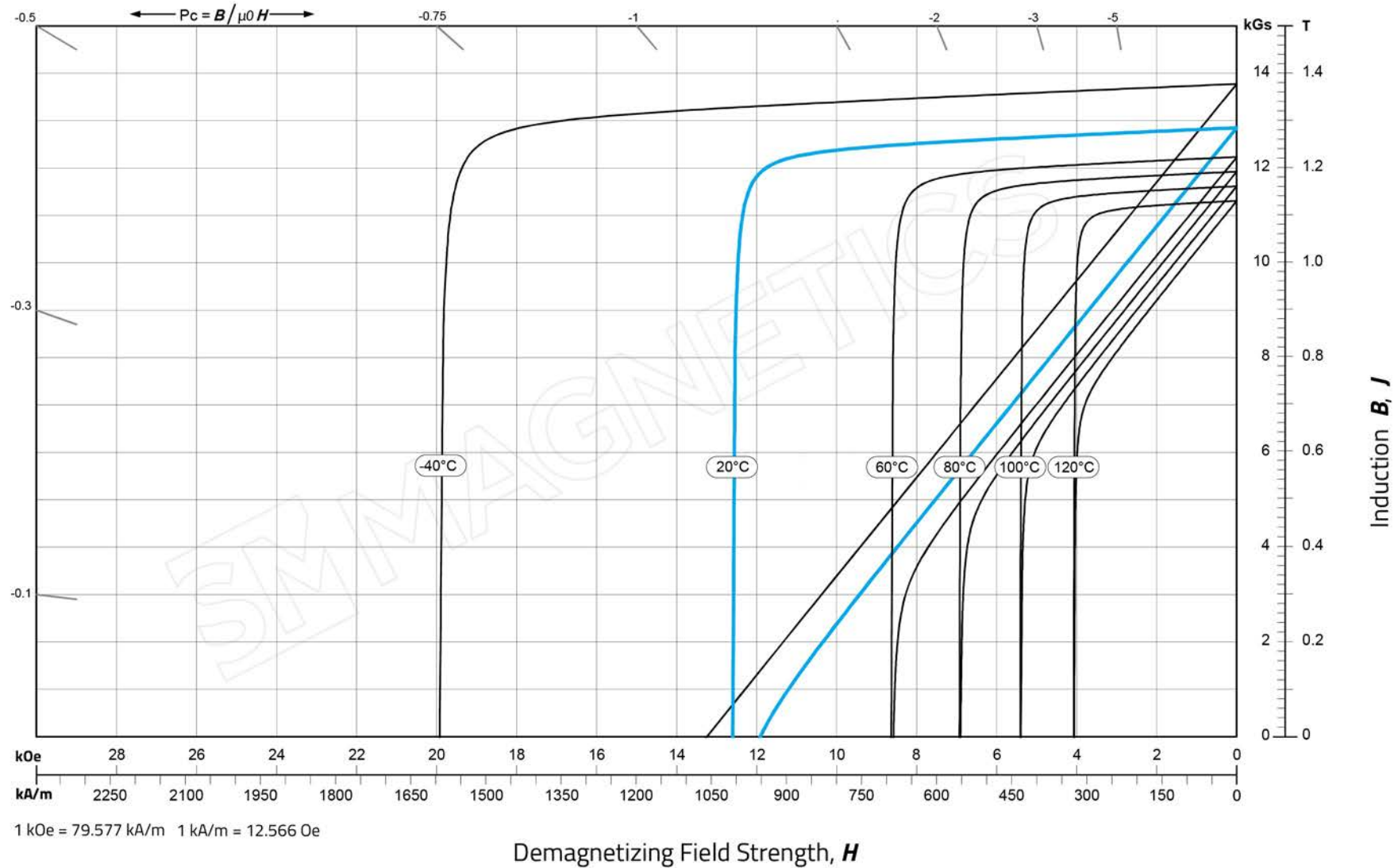
B_r (Remanence):
12.2 - 12.5 kGs
1.22 - 1.25 T

H_{cb} (Normal Coercivity):
 ≥ 11.2 kOe
 ≥ 860 kA/m

H_d (Intrinsic Coercivity):
 ≥ 12.0 kOe
 ≥ 955 kA/m

$(BH)_{max}$ (Max Energy Product):
36 - 39 MGOe
287 - 310 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N40

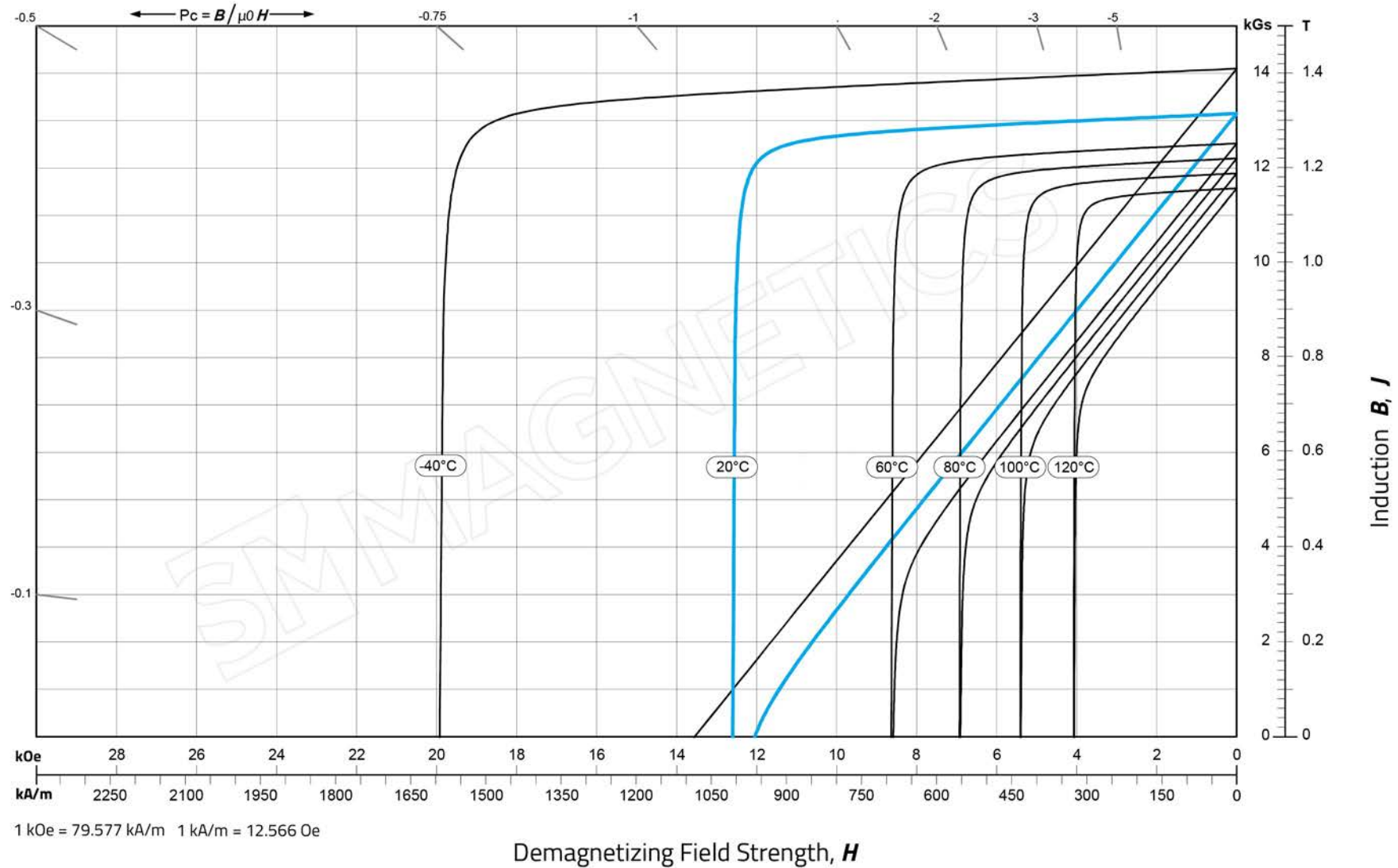
B_r (Remanence):
12.5 - 12.8 kGs
1.25 - 1.28 T

H_{cb} (Normal Coercivity):
 ≥ 11.5 kOe
 ≥ 860 kA/m

H_d (Intrinsic Coercivity):
 ≥ 12.0 kOe
 ≥ 955 kA/m

$(BH)_{max}$ (Max Energy Product):
38 - 41 MGOe
302 - 326 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N42

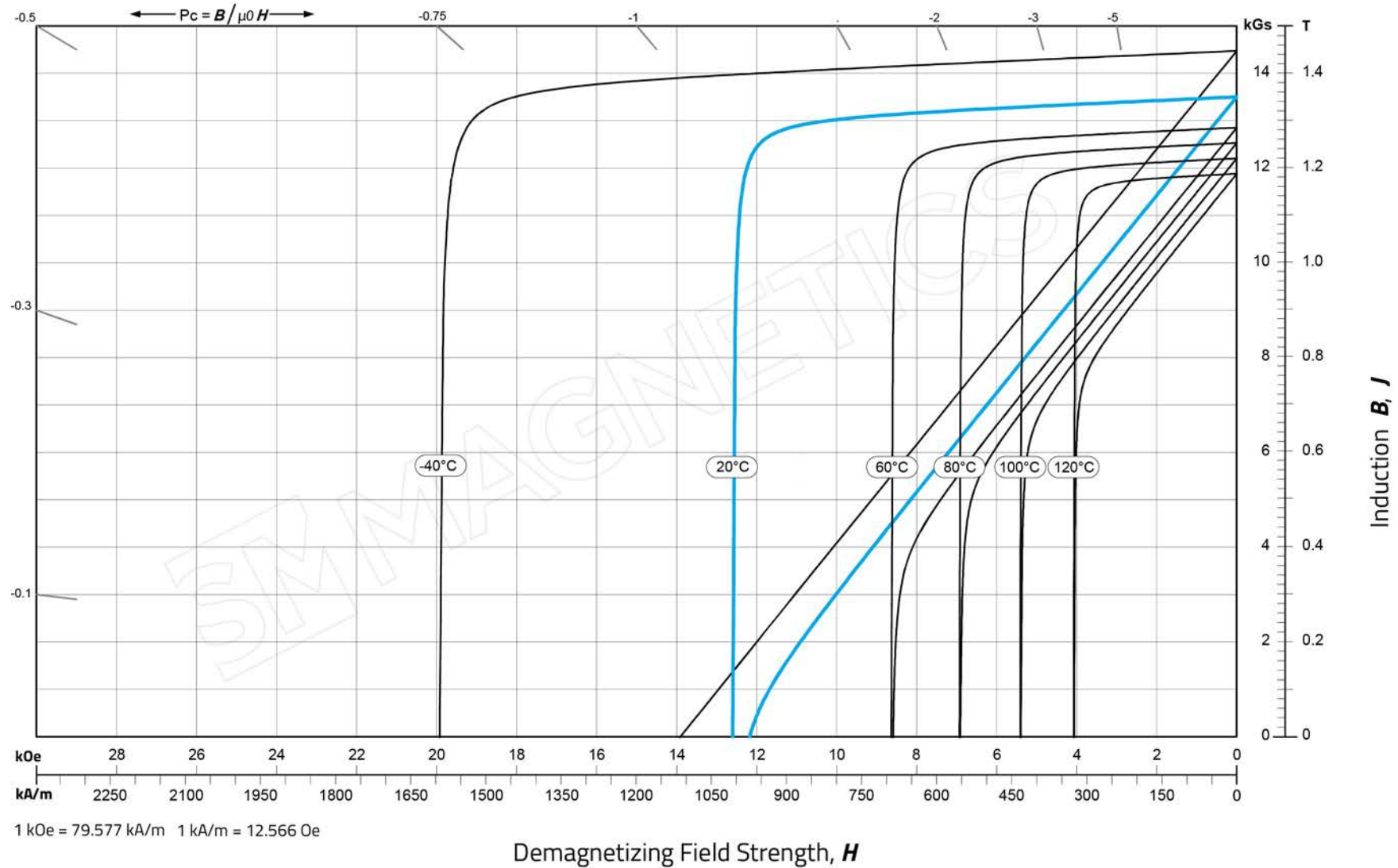
B_r (Remanence):
12.8 - 13.2 kGs
1.28 - 1.32 T

H_{cB} (Normal Coercivity):
 ≥ 11.5 kOe
 ≥ 860 kA/m

H_d (Intrinsic Coercivity):
 ≥ 12.0 kOe
 ≥ 955 kA/m

$(BH)_{max}$ (Max Energy Product):
40 - 43 MGOe
318 - 342 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N45

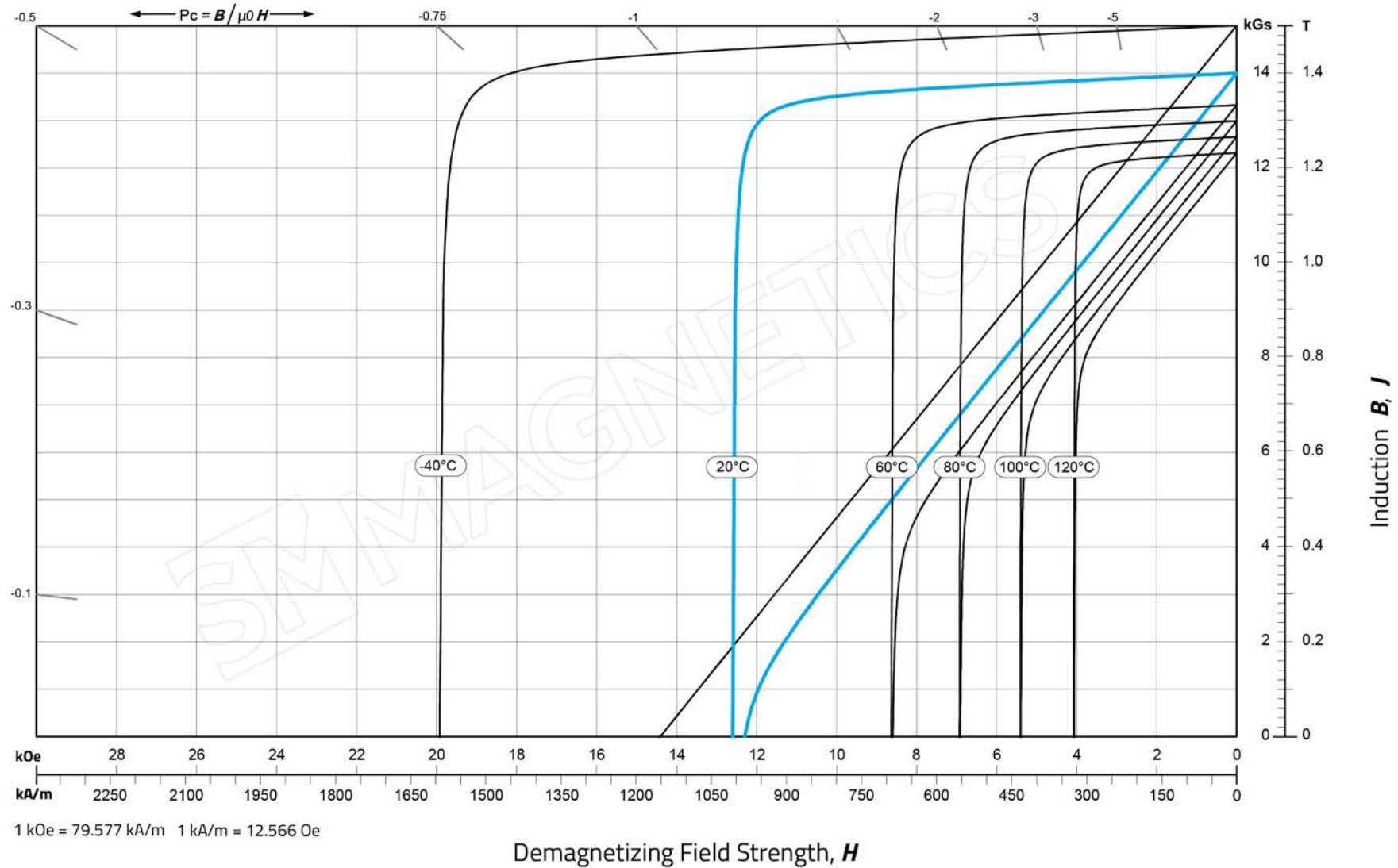
B_r (Remanence):
13.2 - 13.7 kGs
1.32 - 1.37 T

H_{cb} (Normal Coercivity):
 ≥ 11.0 kOe
 ≥ 860 kA/m

H_d (Intrinsic Coercivity):
 ≥ 12.0 kOe
 ≥ 955 kA/m

$(BH)_{max}$ (Max Energy Product):
43 - 46 MGOe
342 - 366 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N48

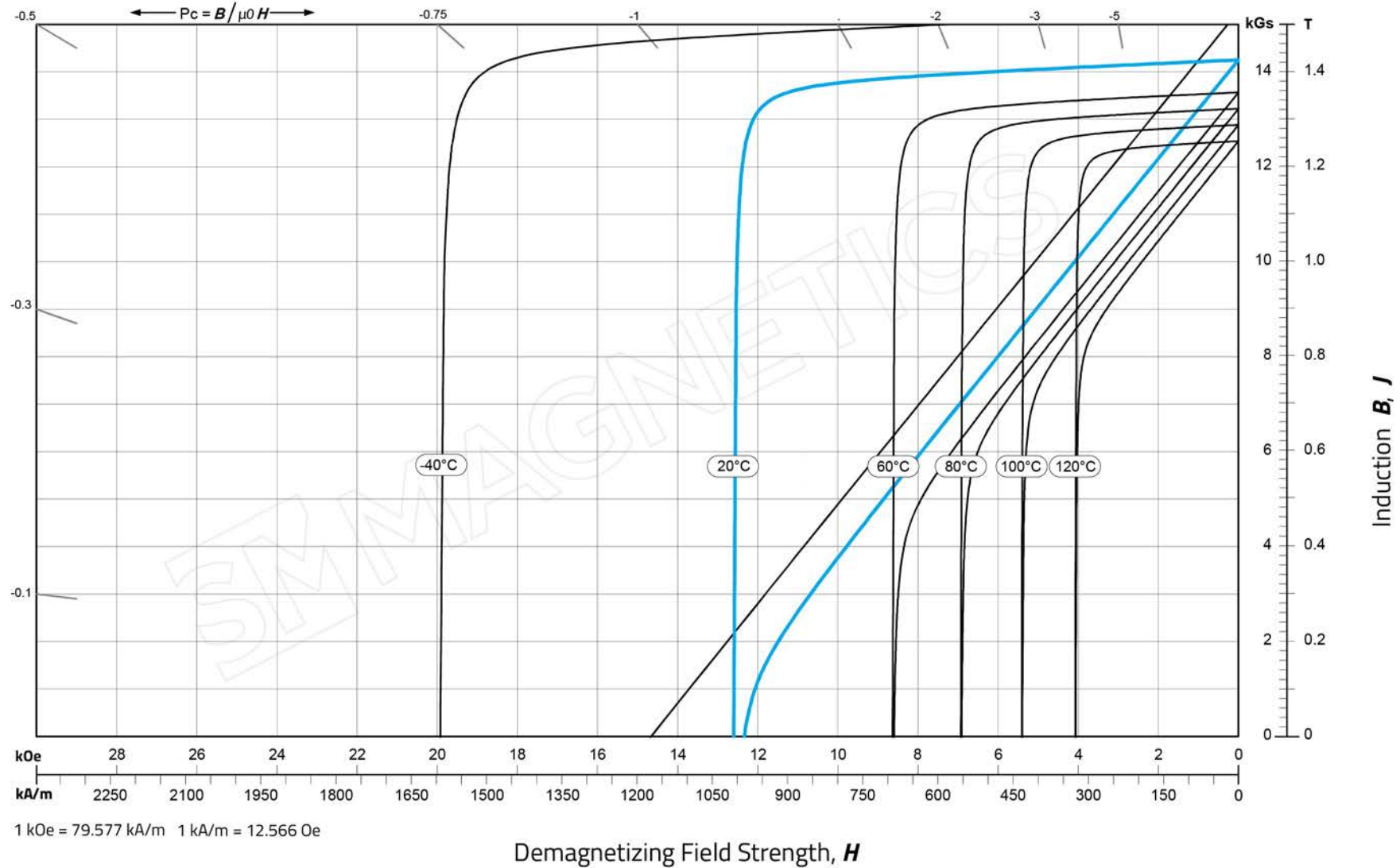
B_r (Remanence):
13.7 - 14.2 kGs
1.37 - 1.42 T

H_{cb} (Normal Coercivity):
 ≥ 11.0 kOe
 ≥ 836 kA/m

H_d (Intrinsic Coercivity):
 ≥ 12.0 kOe
 ≥ 955 kA/m

$(BH)_{max}$ (Max Energy Product):
46 - 49 MGOe
366 - 390 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N50

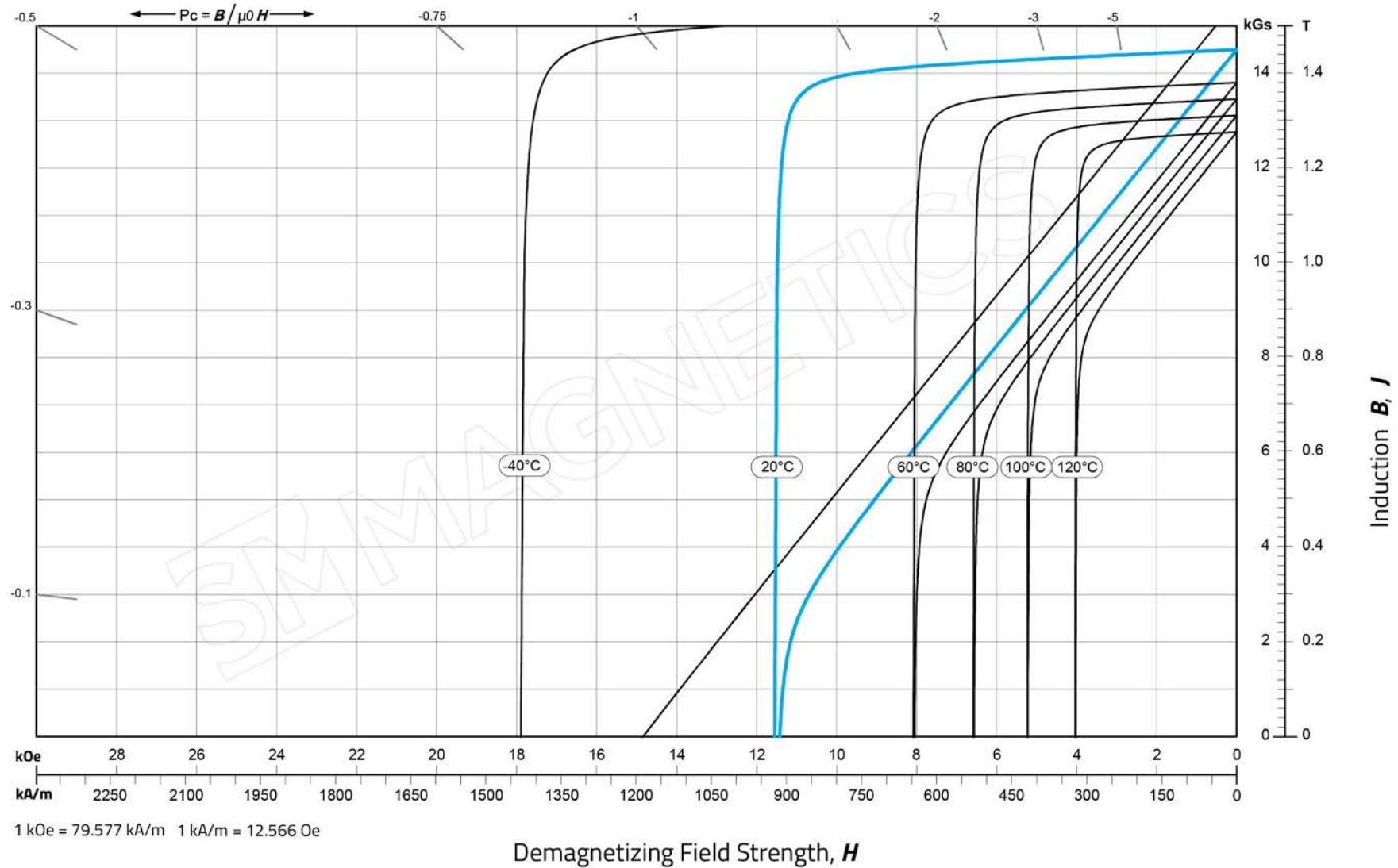
B_r (Remanence):
13.9 - 14.4 kGs
1.39 - 1.44T

H_{cB} (Normal Coercivity):
 $\geq 10.5 \text{ kOe}$
 $\geq 836 \text{ kA/m}$

H_d (Intrinsic Coercivity):
 $\geq 12.0 \text{ kOe}$
 $\geq 955 \text{ kA/m}$

$(BH)_{max}$ (Max Energy Product):
47 - 51 MGOe
376 - 406 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N52

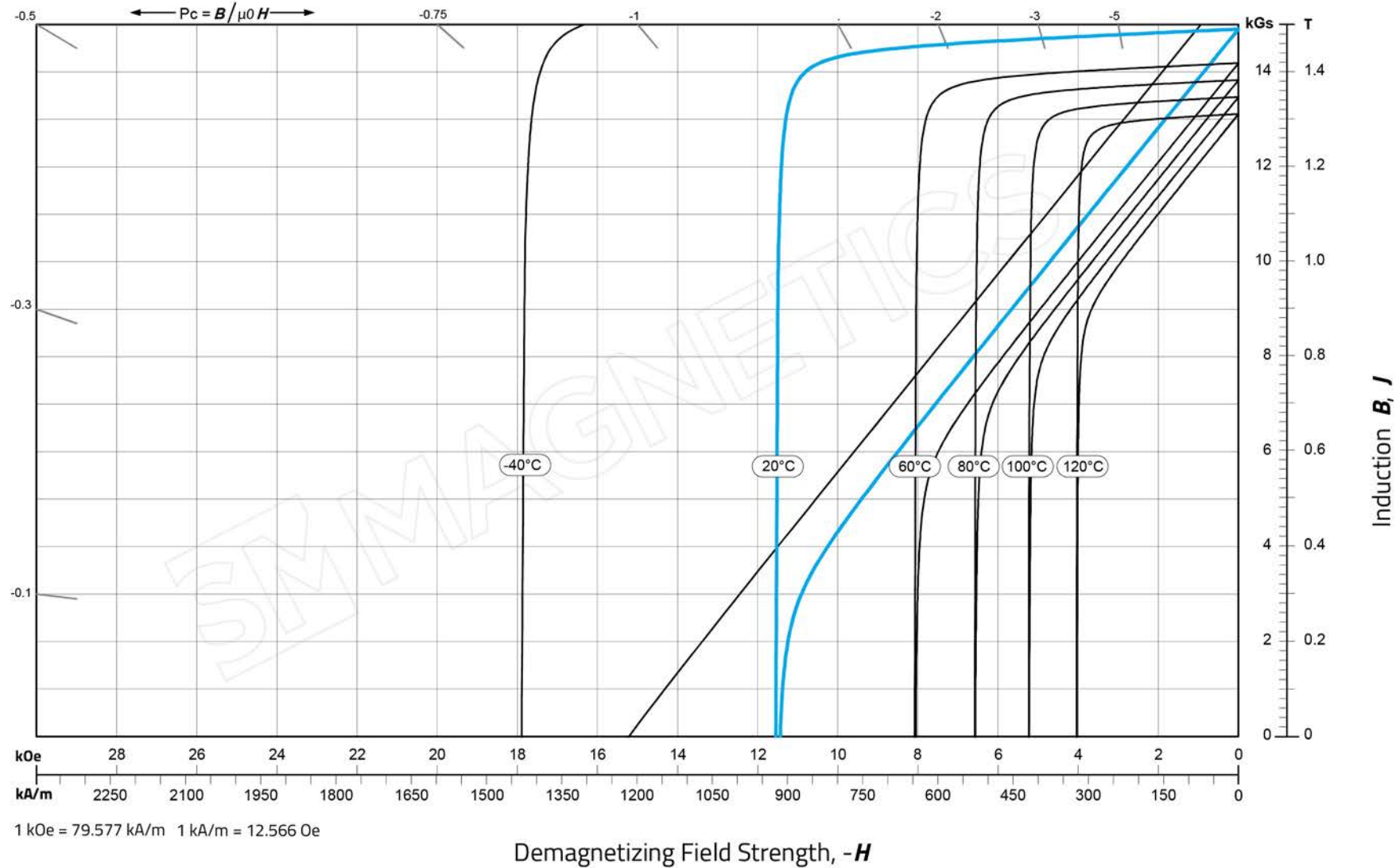
B_r (Remanence):
14.2 - 14.7 kGs
1.42 - 1.47 T

H_{cB} (Normal Coercivity):
 ≥ 10.5 kOe
 ≥ 836 kA/m

H_d (Intrinsic Coercivity):
 ≥ 11.0 kOe
 ≥ 876 kA/m

$(BH)_{max}$ (Max Energy Product):
49 - 53 MGOe
390 - 421 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N54

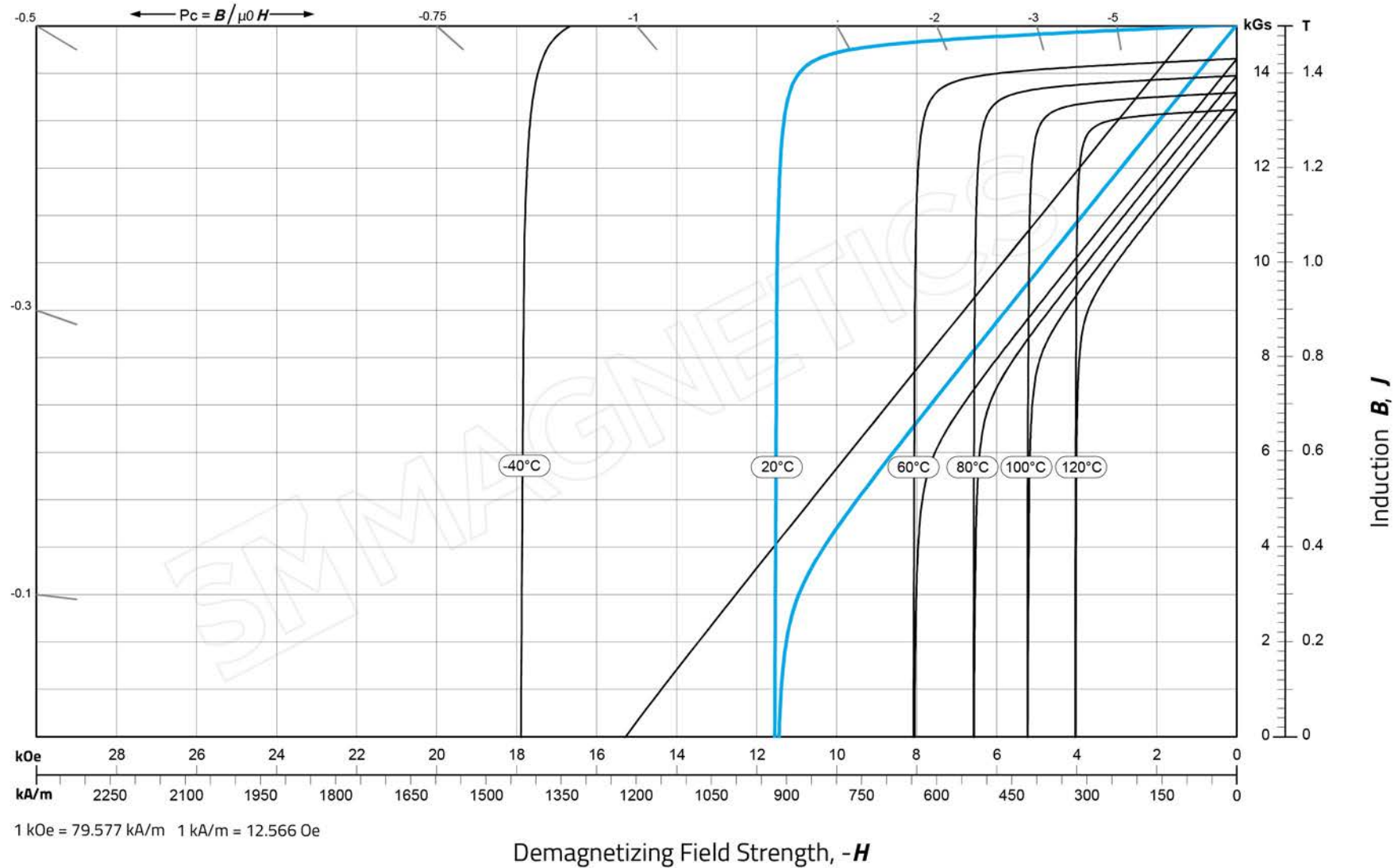
B_r (Remanence):
14.5 - 14.9 kGs
1.45 - 1.49 T

H_{cB} (Normal Coercivity):
 ≥ 10.5 kOe
 ≥ 836 kA/m

H_{dI} (Intrinsic Coercivity):
 ≥ 11.0 kOe
 ≥ 876 kA/m

$(BH)_{max}$ (Max Energy Product):
51 - 55 MGOe
406 - 438 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N56

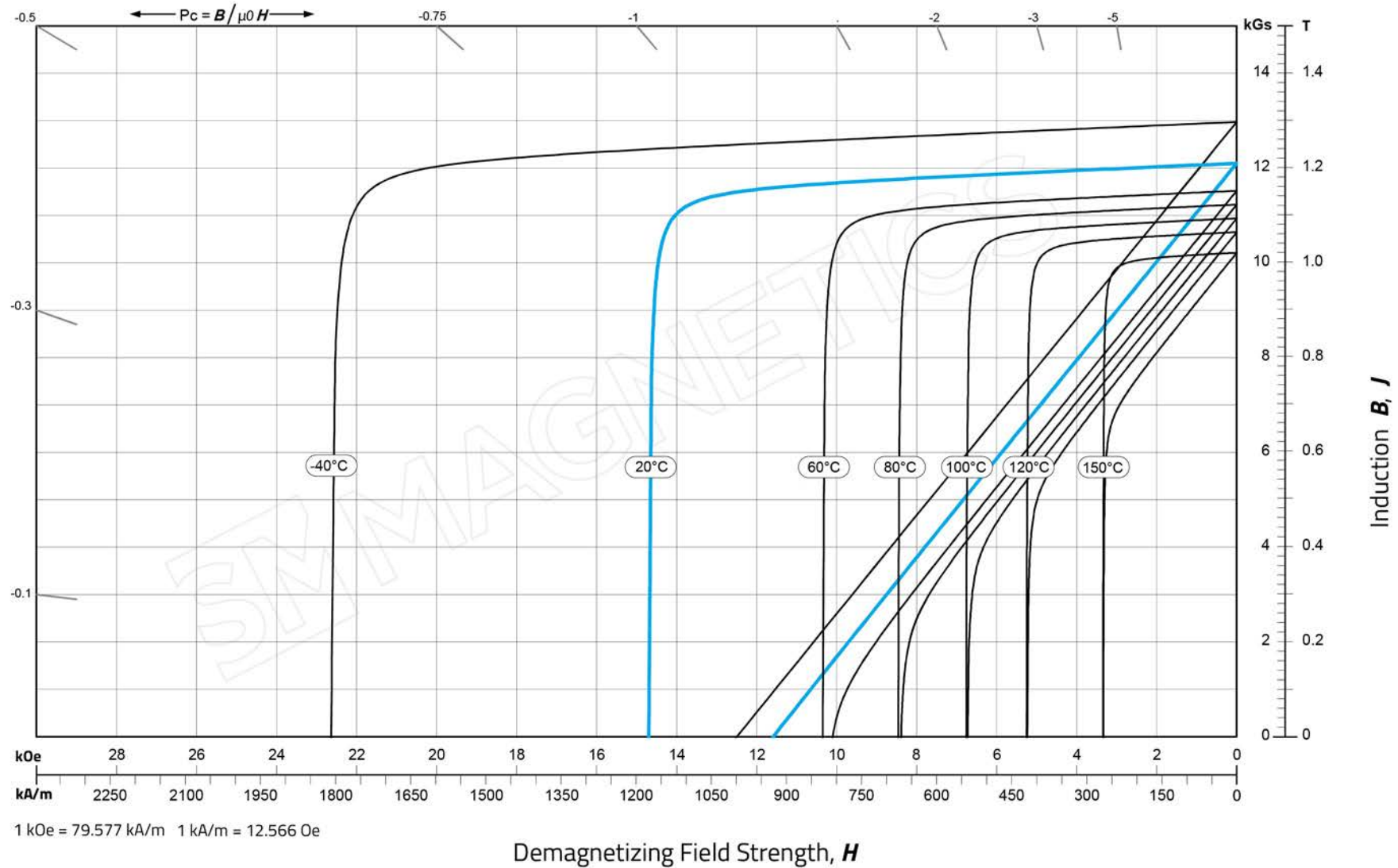
B_r (Remanence):
14.8 - 15.2 kGs
1.48 - 1.52 T

H_{cB} (Normal Coercivity):
 ≥ 10.5 kOe
 ≥ 836 kA/m

H_{ci} (Intrinsic Coercivity):
 ≥ 11.0 kOe
 ≥ 876 kA/m

$(BH)_{max}$ (Max Energy Product):
52 - 57 MGOe
414 - 454 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N35M

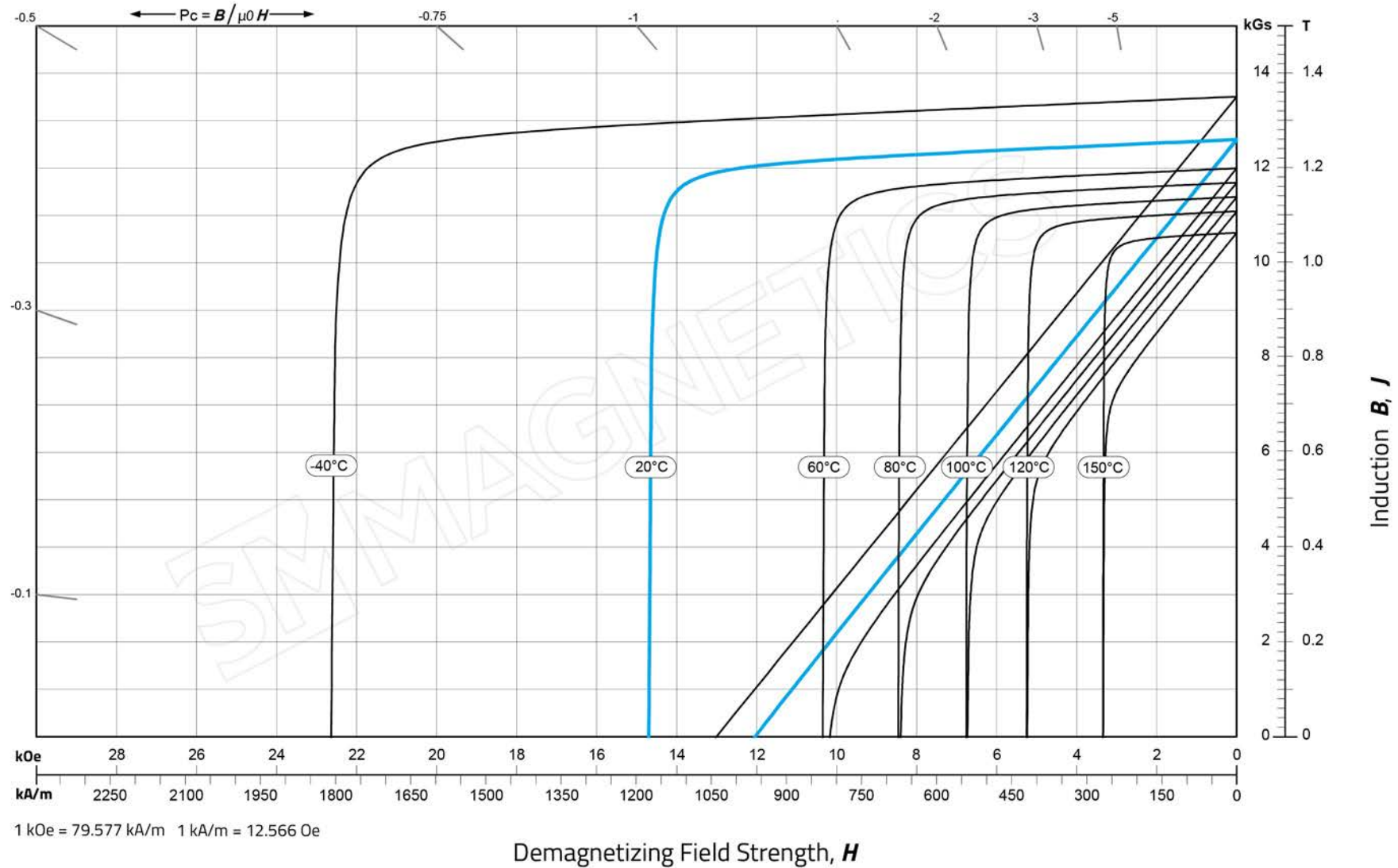
B_r (Remanence):
11.7 - 12.2 kGs
1.17 - 1.22 T

H_{cb} (Normal Coercivity):
 ≥ 10.9 kOe
 ≥ 868 kA/m

H_{ci} (Intrinsic Coercivity):
 ≥ 14.0 kOe
 ≥ 1114 kA/m

$(BH)_{max}$ (Max Energy Product):
33 - 36 MGOe
263 - 287 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N38M

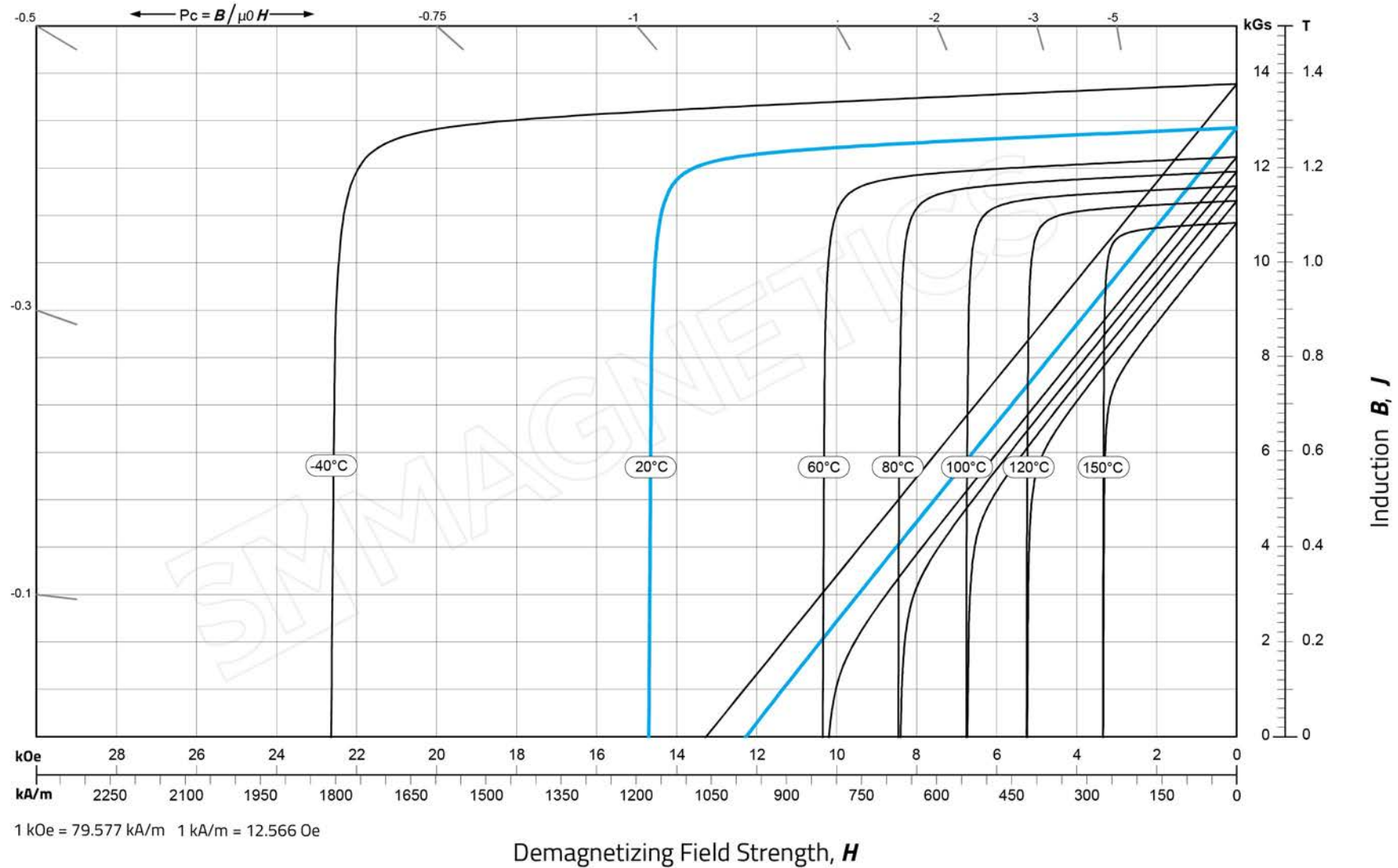
B_r (Remanence):
12.2 - 12.5 kGs
1.22 - 1.25 T

H_{cb} (Normal Coercivity):
 ≥ 11.3 kOe
 ≥ 899 kA/m

H_d (Intrinsic Coercivity):
 ≥ 14.0 kOe
 ≥ 1114 kA/m

$(BH)_{max}$ (Max Energy Product):
36 - 39 MGOe
287 - 310 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N40M

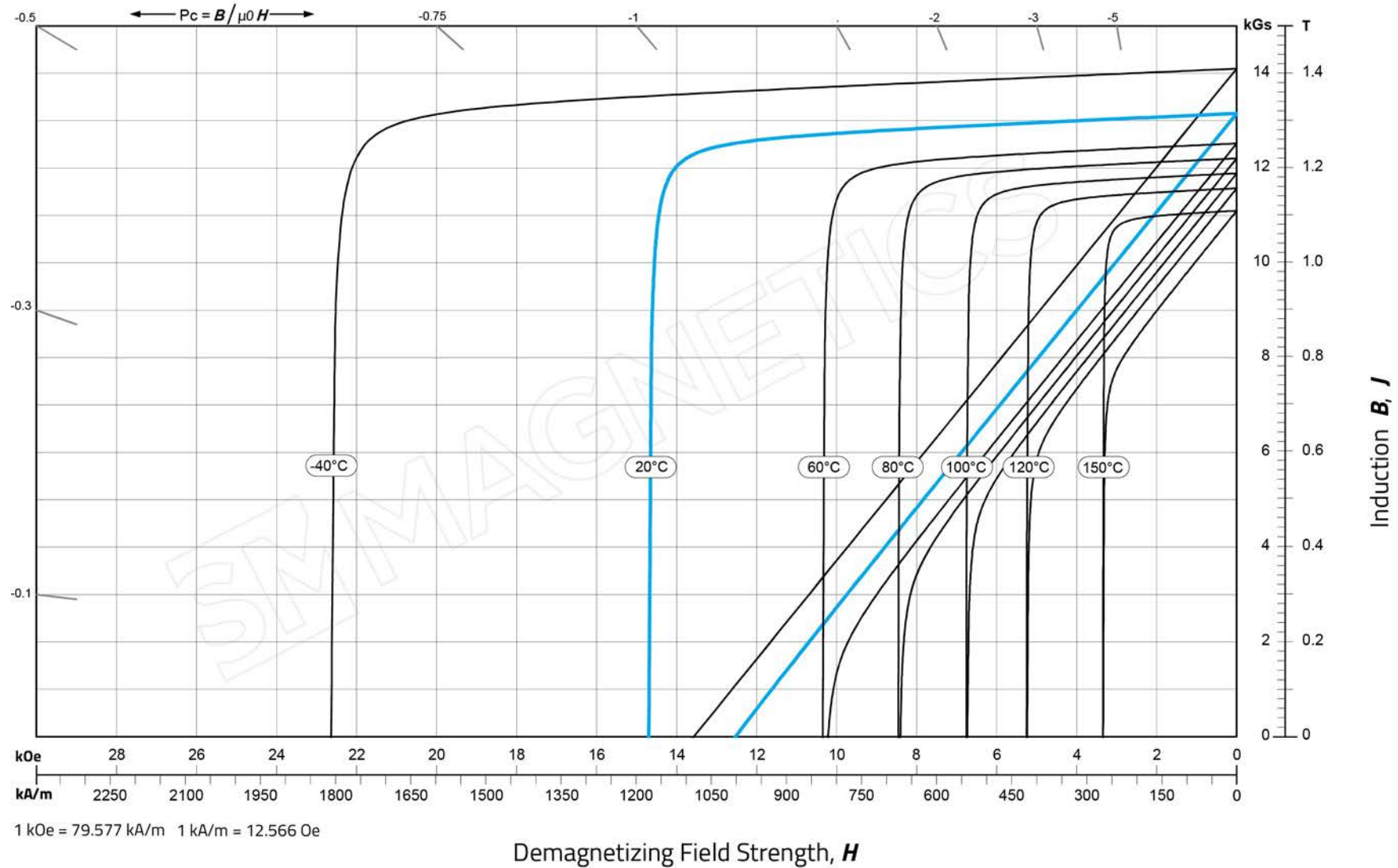
B_r (Remanence):
12.5 - 12.8 kGs
1.25 - 1.28 T

H_{cb} (Normal Coercivity):
 ≥ 11.6 kOe
 ≥ 923 kA/m

H_d (Intrinsic Coercivity):
 ≥ 14.0 kOe
 ≥ 1114 kA/m

$(BH)_{max}$ (Max Energy Product):
38 - 41 MGOe
302 - 326 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N42M

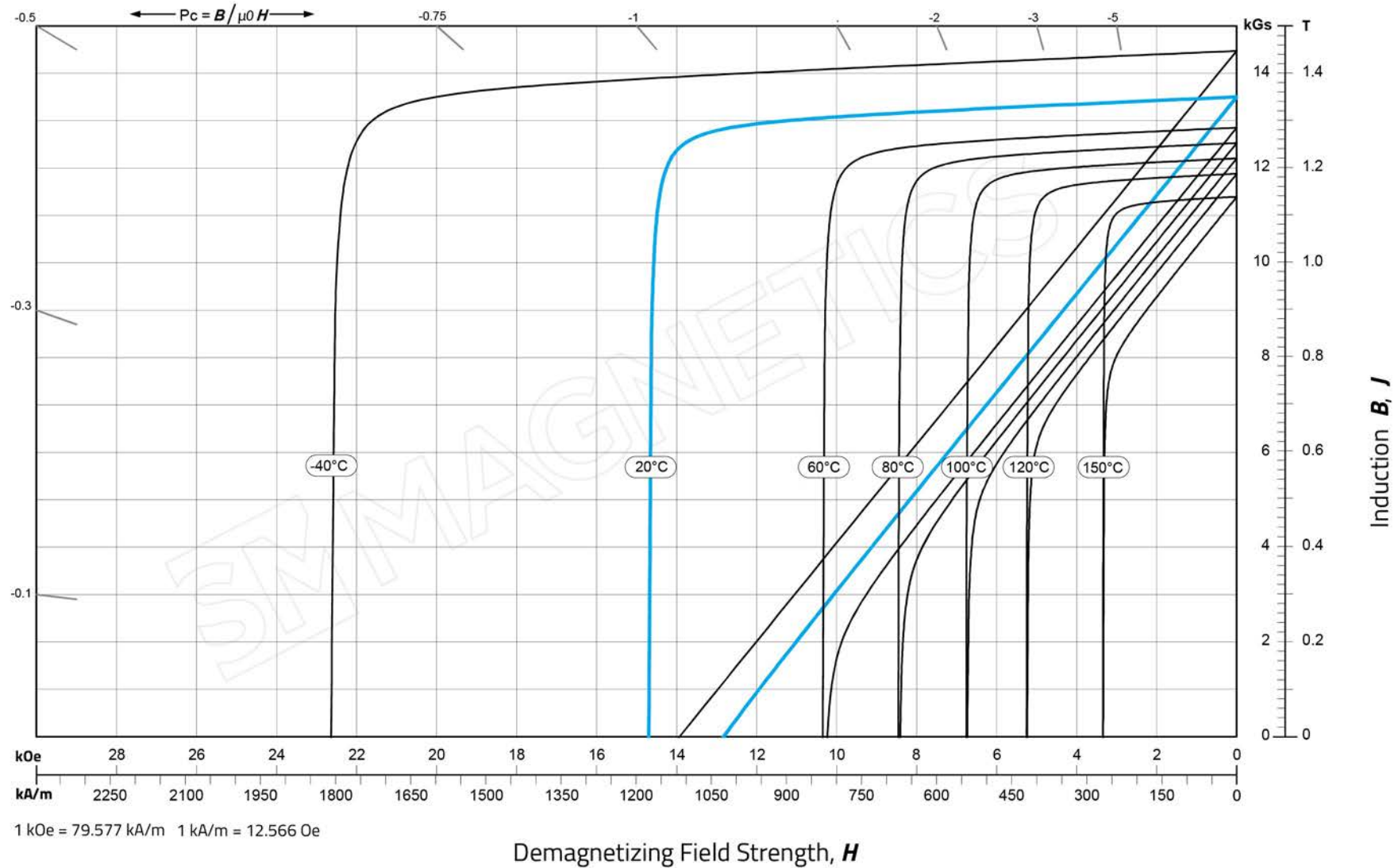
B_r (Remanence):
12.8 - 13.2 kGs
1.28 - 1.32 T

H_{cb} (Normal Coercivity):
 ≥ 12.0 kOe
 ≥ 955 kA/m

H_d (Intrinsic Coercivity):
 ≥ 14.0 kOe
 ≥ 1114 kA/m

$(BH)_{max}$ (Max Energy Product):
40 - 43 MGOe
318 - 342 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N45M

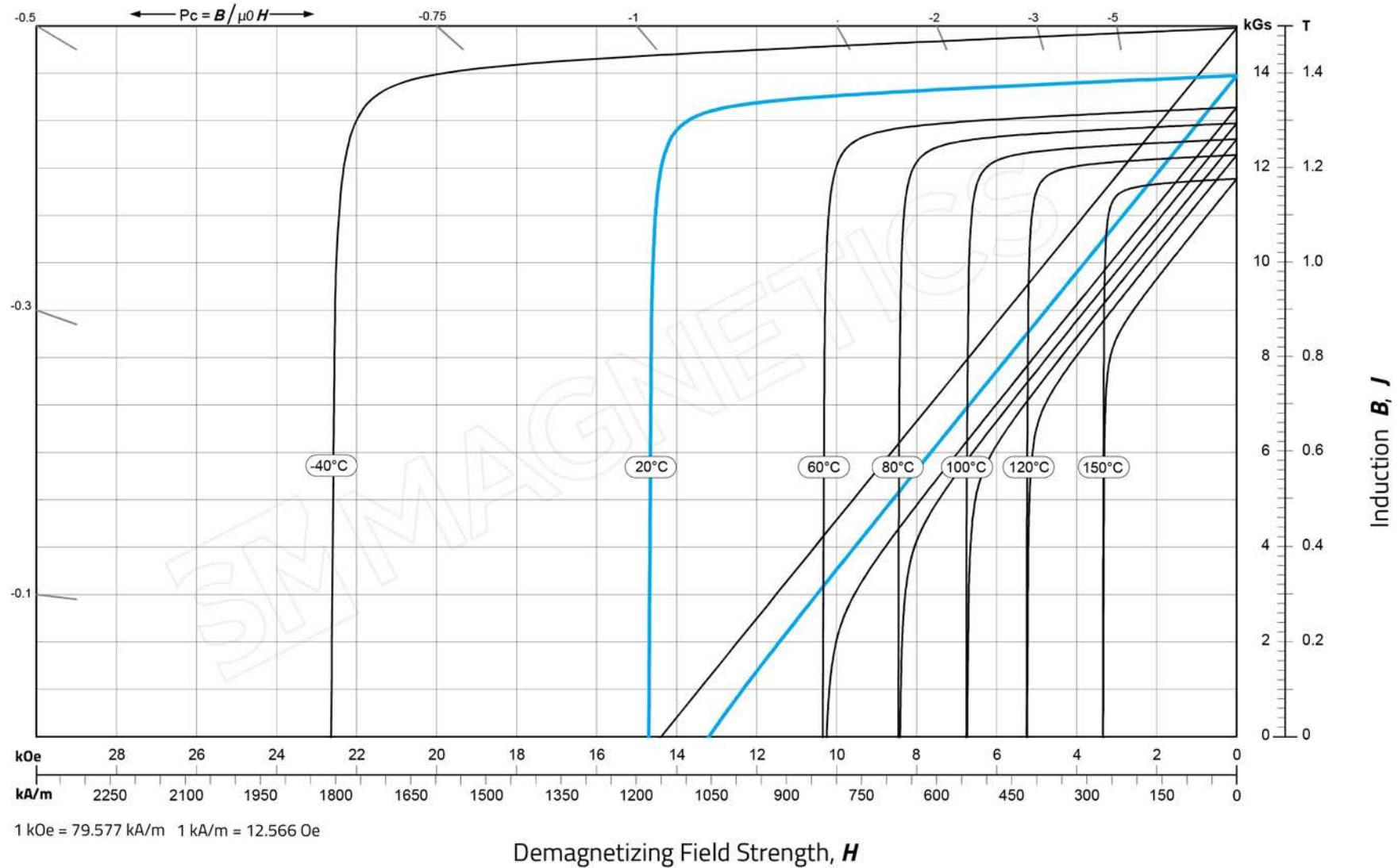
B_r (Remanence):
13.2 - 13.8 kGs
1.32 - 1.38 T

H_{cb} (Normal Coercivity):
 ≥ 12.2 kOe
 ≥ 971 kA/m

H_d (Intrinsic Coercivity):
 ≥ 14.0 kOe
 ≥ 1114 kA/m

$(BH)_{max}$ (Max Energy Product):
43 - 46 MGOe
342 - 366 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N48M

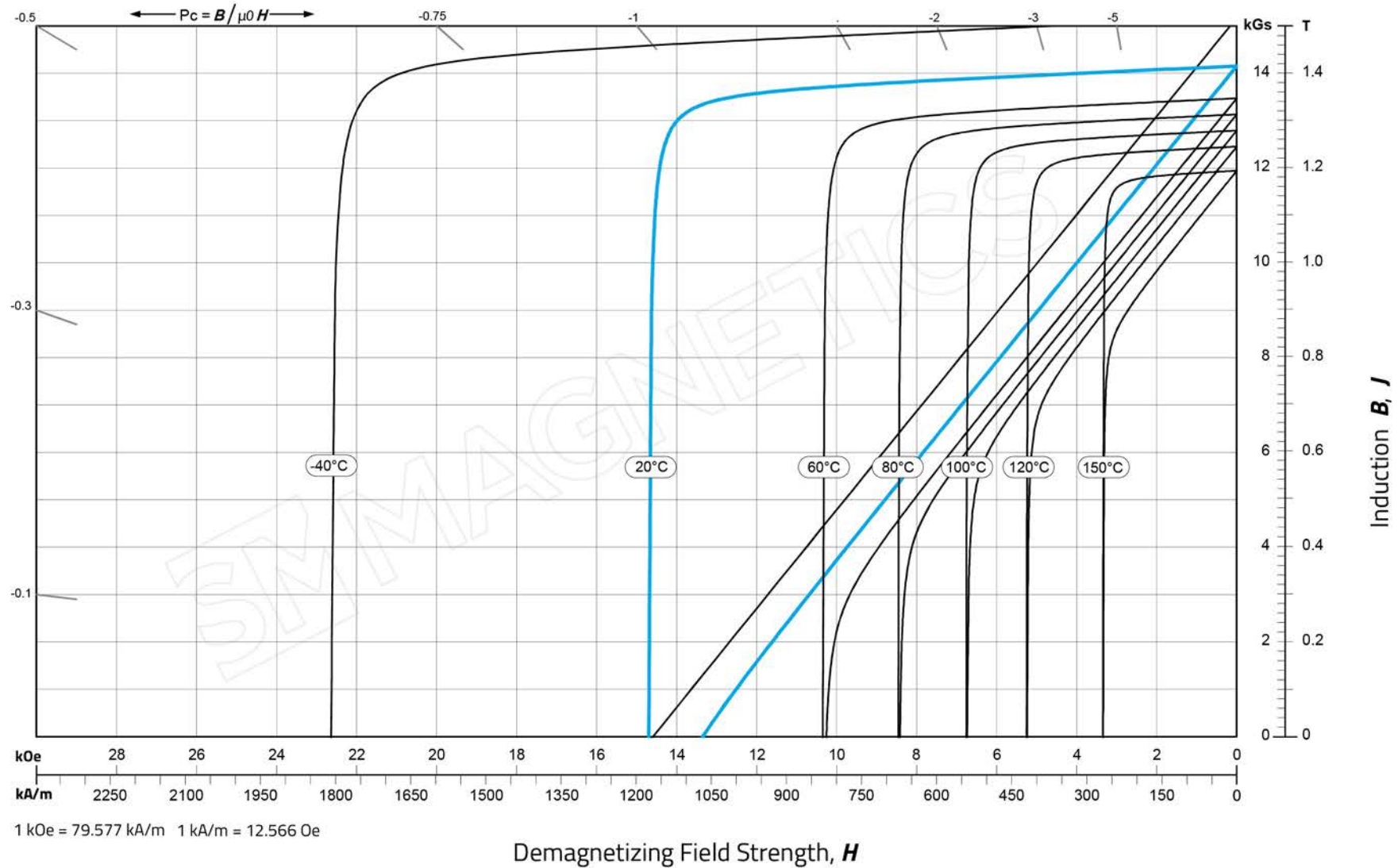
B_r (Remanence):
13.6 - 14.2 kGs
1.36 - 1.42 T

H_{cb} (Normal Coercivity):
 ≥ 12.5 kOe
 ≥ 995 kA/m

H_d (Intrinsic Coercivity):
 ≥ 14.0 kOe
 ≥ 1114 kA/m

$(BH)_{max}$ (Max Energy Product):
46 - 49 MGOe
360 - 392 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N50M

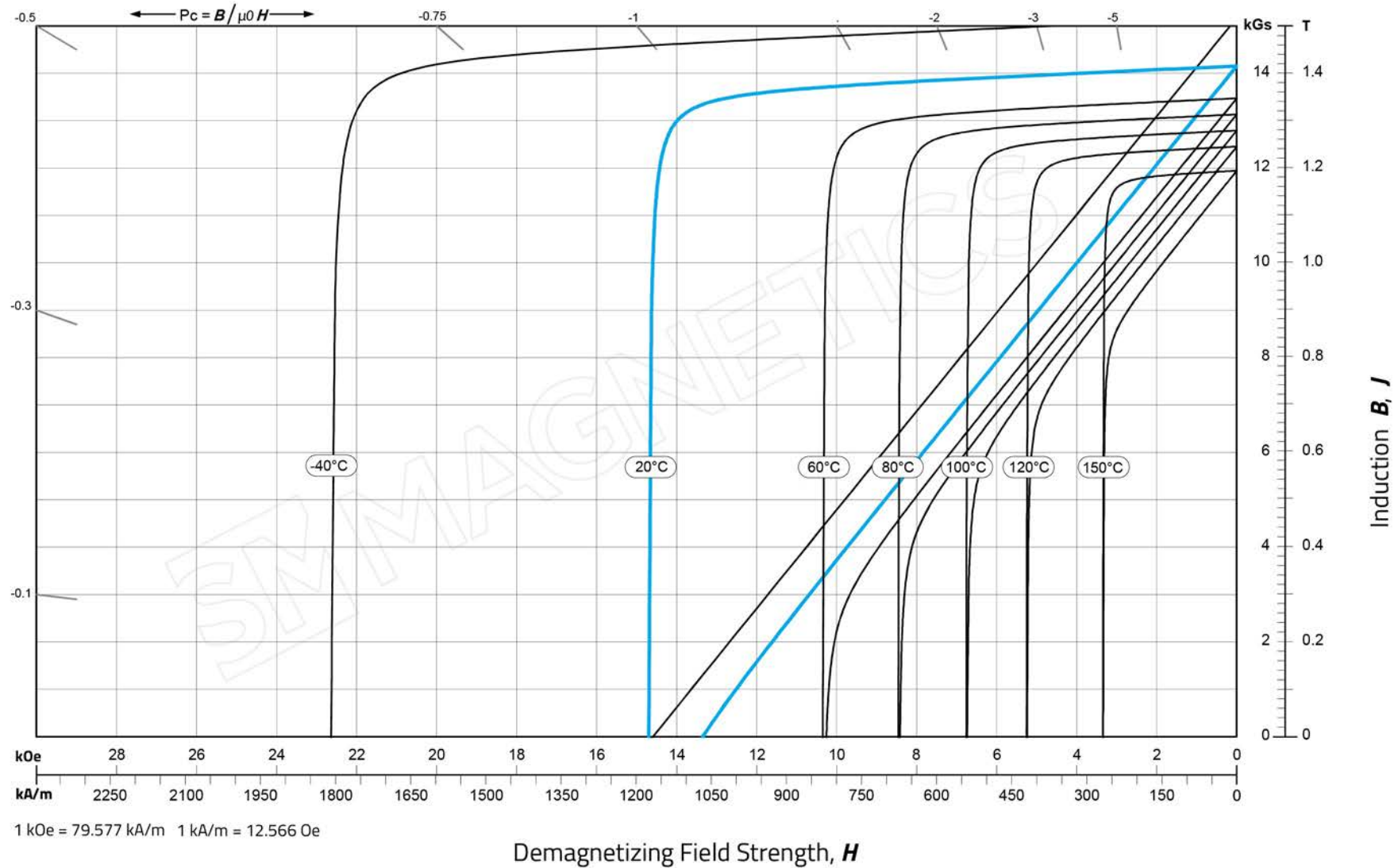
B_r (Remanence):
13.9 - 14.4 kGs
1.39 - 1.44 T

H_{cb} (Normal Coercivity):
 ≥ 13.0 kOe
 ≥ 1035 kA/m

H_d (Intrinsic Coercivity):
 ≥ 14.0 kOe
 ≥ 1114 kA/m

$(BH)_{max}$ (Max Energy Product):
47 - 51 MGOe
376 - 406 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N52M

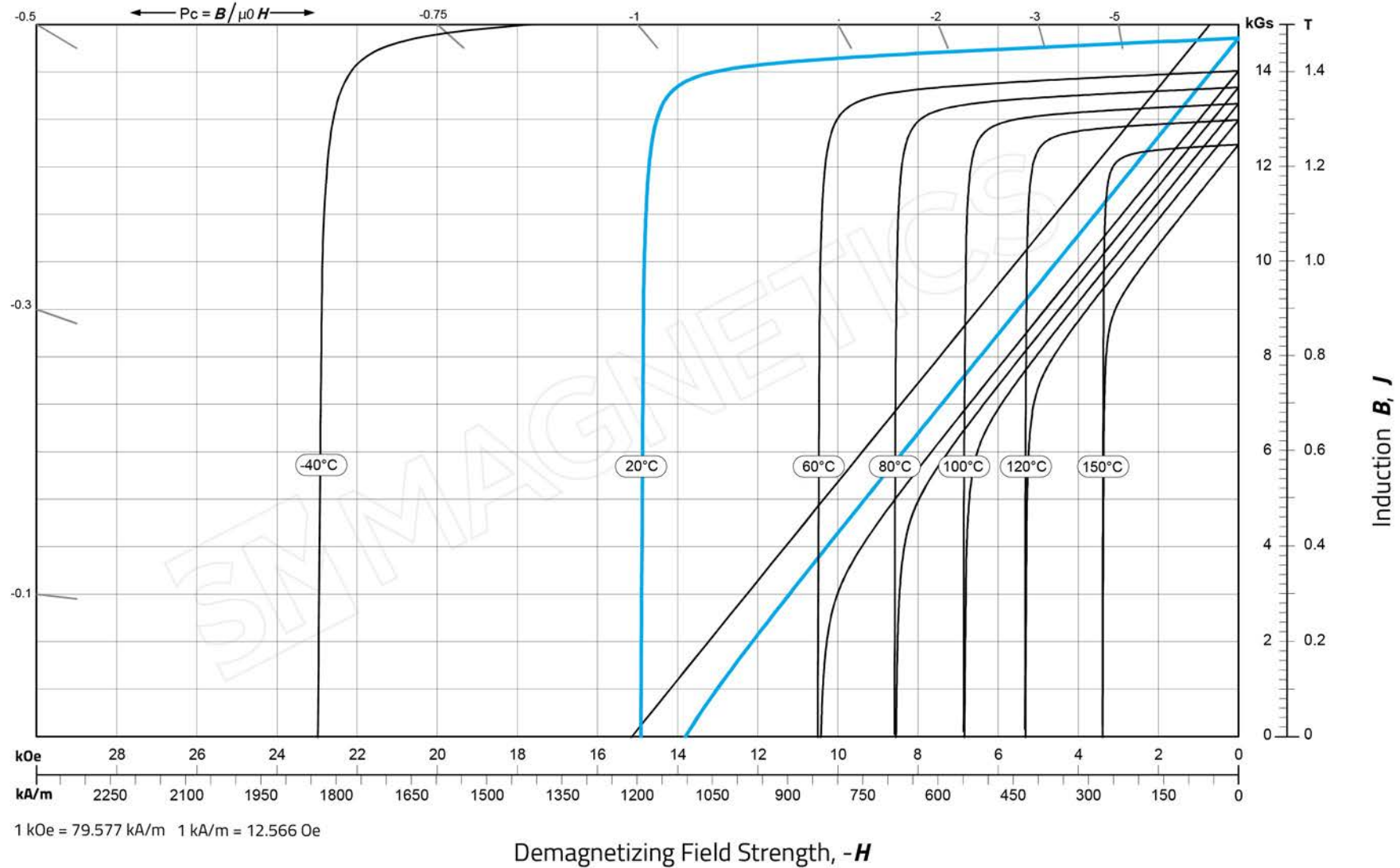
B_r (Remanence):
14.2 - 14.7 kGs
1.42 - 1.47 T

H_{cb} (Normal Coercivity):
 ≥ 13.3 kOe
 ≥ 1056 kA/m

H_d (Intrinsic Coercivity):
 ≥ 14.0 kOe
 ≥ 1114 kA/m

$(BH)_{max}$ (Max Energy Product):
49 - 53 MGOe
390 - 422 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N54M

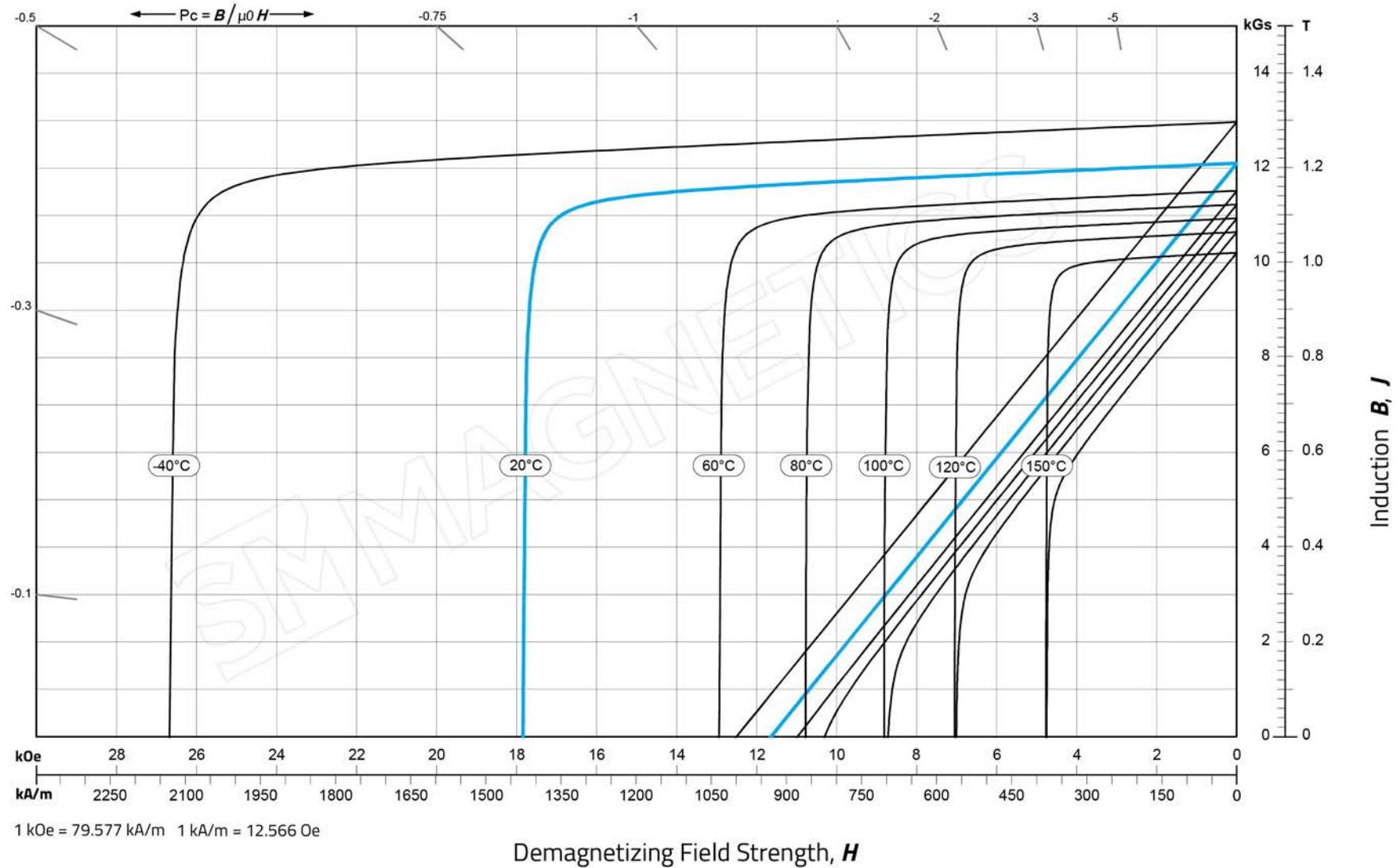
B_r (Remanence):
14.5 - 14.9 kGs
1.45 - 1.49 T

H_{cb} (Normal Coercivity):
 ≥ 13.3 kOe
 ≥ 1059 kA/m

H_{ci} (Intrinsic Coercivity):
 ≥ 14.0 kOe
 ≥ 1114 kA/m

$(BH)_{max}$ (Max Energy Product):
51 - 55 MGOe
406 - 438 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N35H

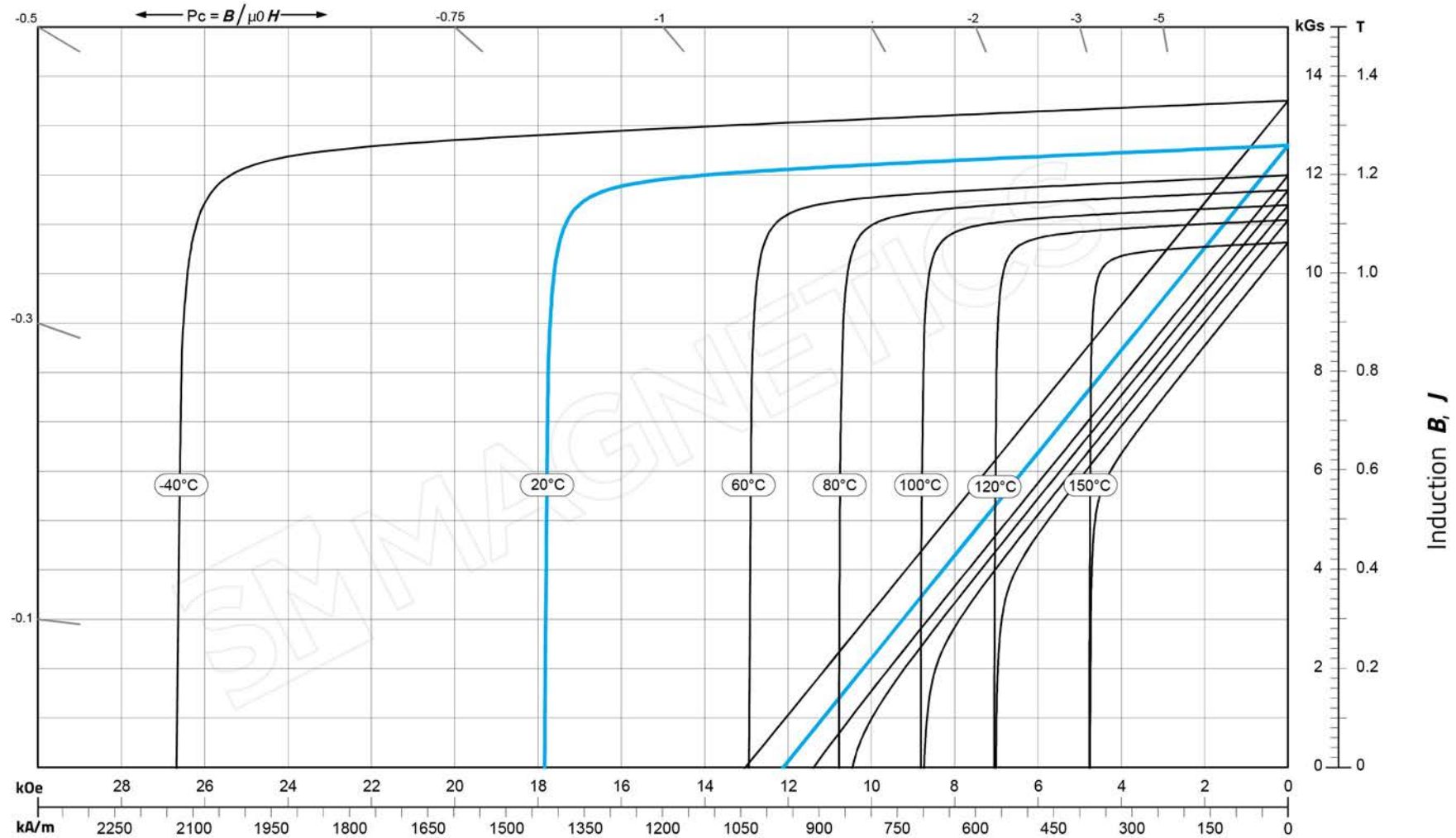
B_r (Remanence):
11.7 - 12.2 kGs
1.17 - 1.22 T

H_{cb} (Normal Coercivity):
 ≥ 10.9 kOe
 ≥ 868 kA/m

H_d (Intrinsic Coercivity):
 ≥ 17.0 kOe
 ≥ 1353 kA/m

$(BH)_{max}$ (Max Energy Product):
33 - 36 MGOe
263 - 287 kJ/m³

Demagnetization Curves for Sintered NdFeB



1 kOe = 79.577 kA/m 1 kA/m = 12.566 Oe

Demagnetizing Field Strength, H

Magnetic Properties (20°C):

N38H

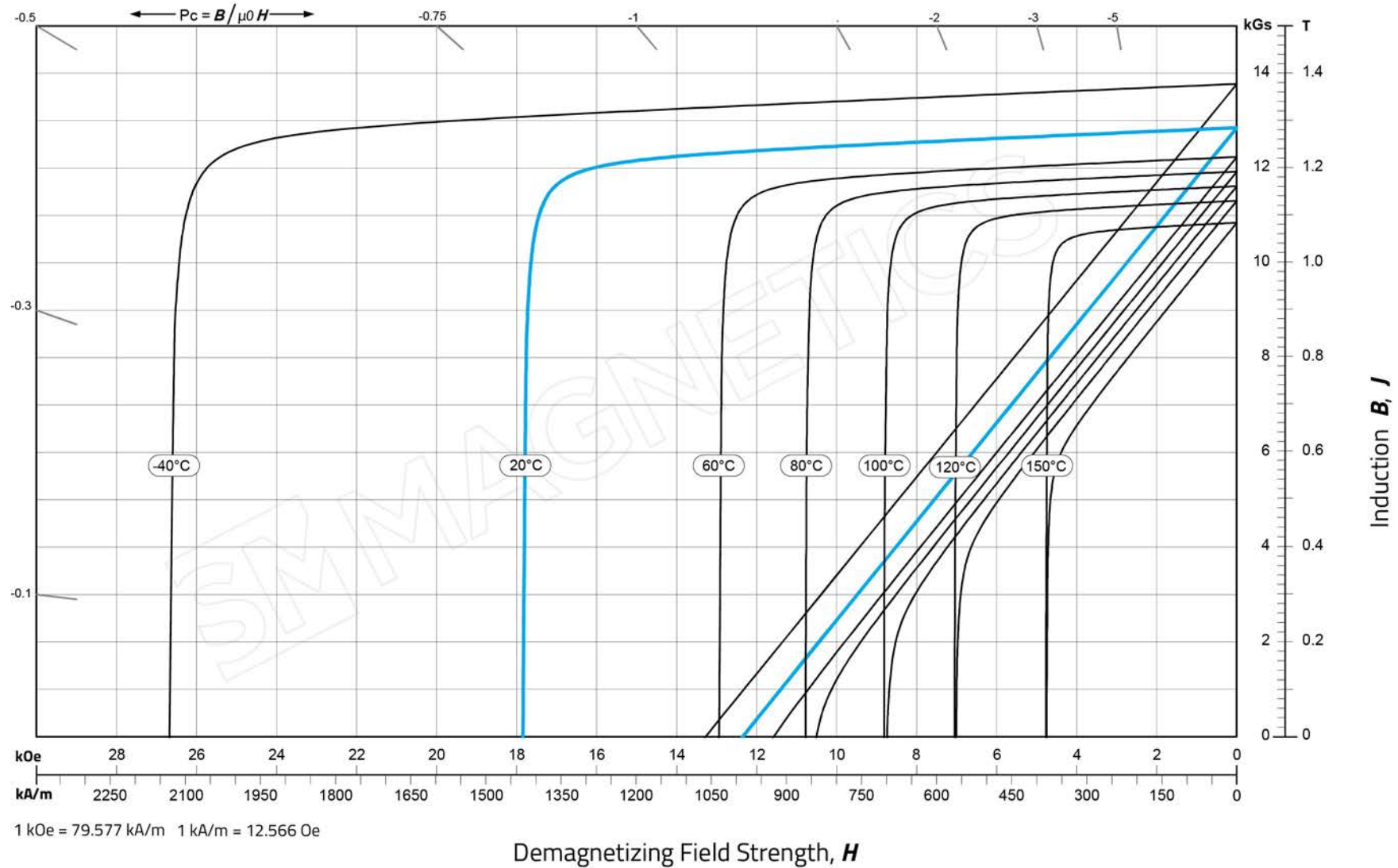
B_r (Remanence):
12.2 - 12.5 kGs
1.22 - 1.25 T

H_{cb} (Normal Coercivity):
 ≥ 11.3 kOe
 ≥ 899 kA/m

H_d (Intrinsic Coercivity):
 ≥ 17.0 kOe
 ≥ 1353 kA/m

$(BH)_{max}$ (Max Energy Product):
36 - 39 MGOe
287 - 310 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N40H

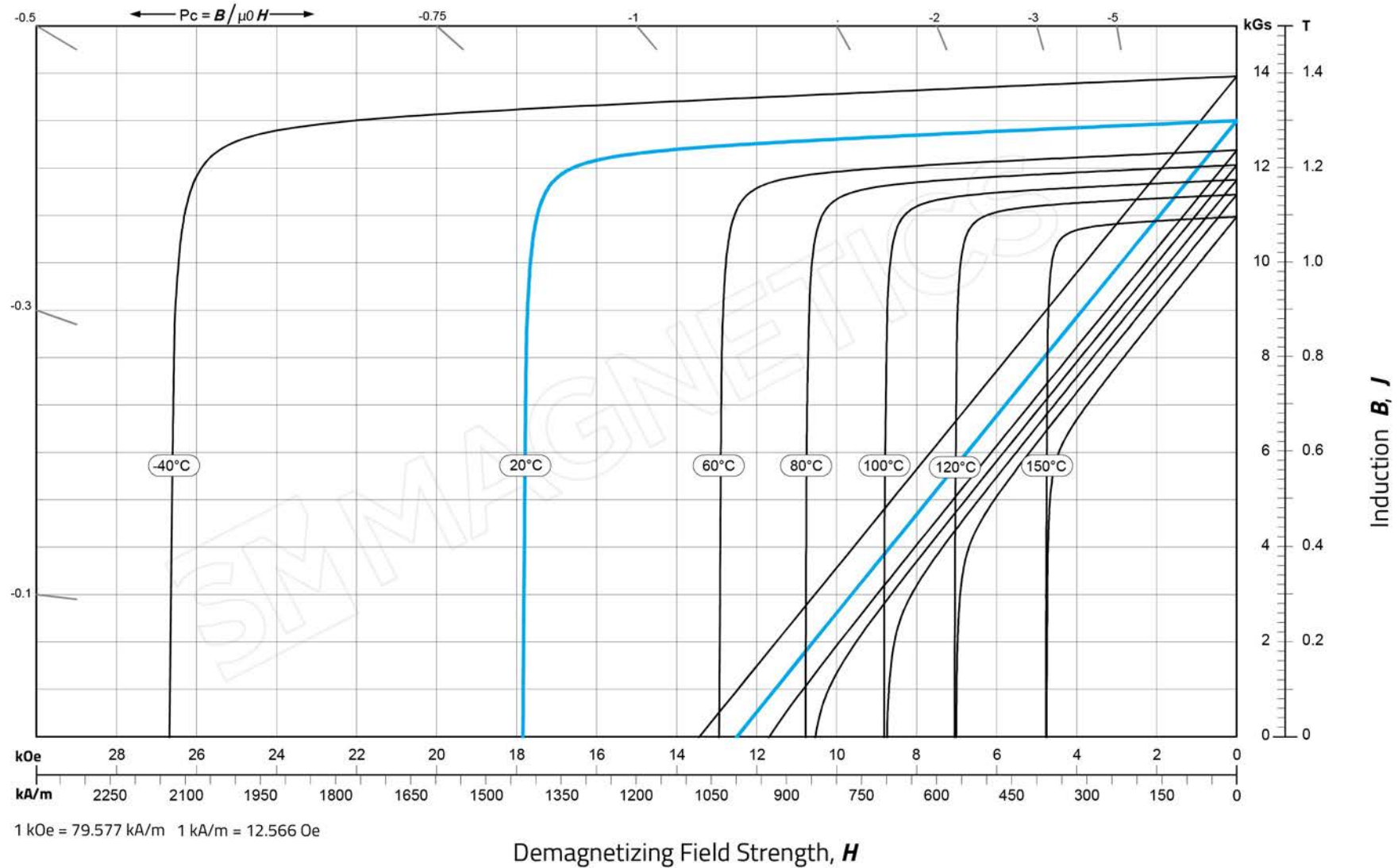
B_r (Remanence):
12.5 - 12.8 kGs
1.25 - 1.28 T

H_{cb} (Normal Coercivity):
≥ 11.6 kOe
≥ 923 kA/m

H_d (Intrinsic Coercivity):
≥ 17.0 kOe
≥ 1353 kA/m

$(BH)_{max}$ (Max Energy Product):
38 - 41 MGOe
302 - 326 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N42H

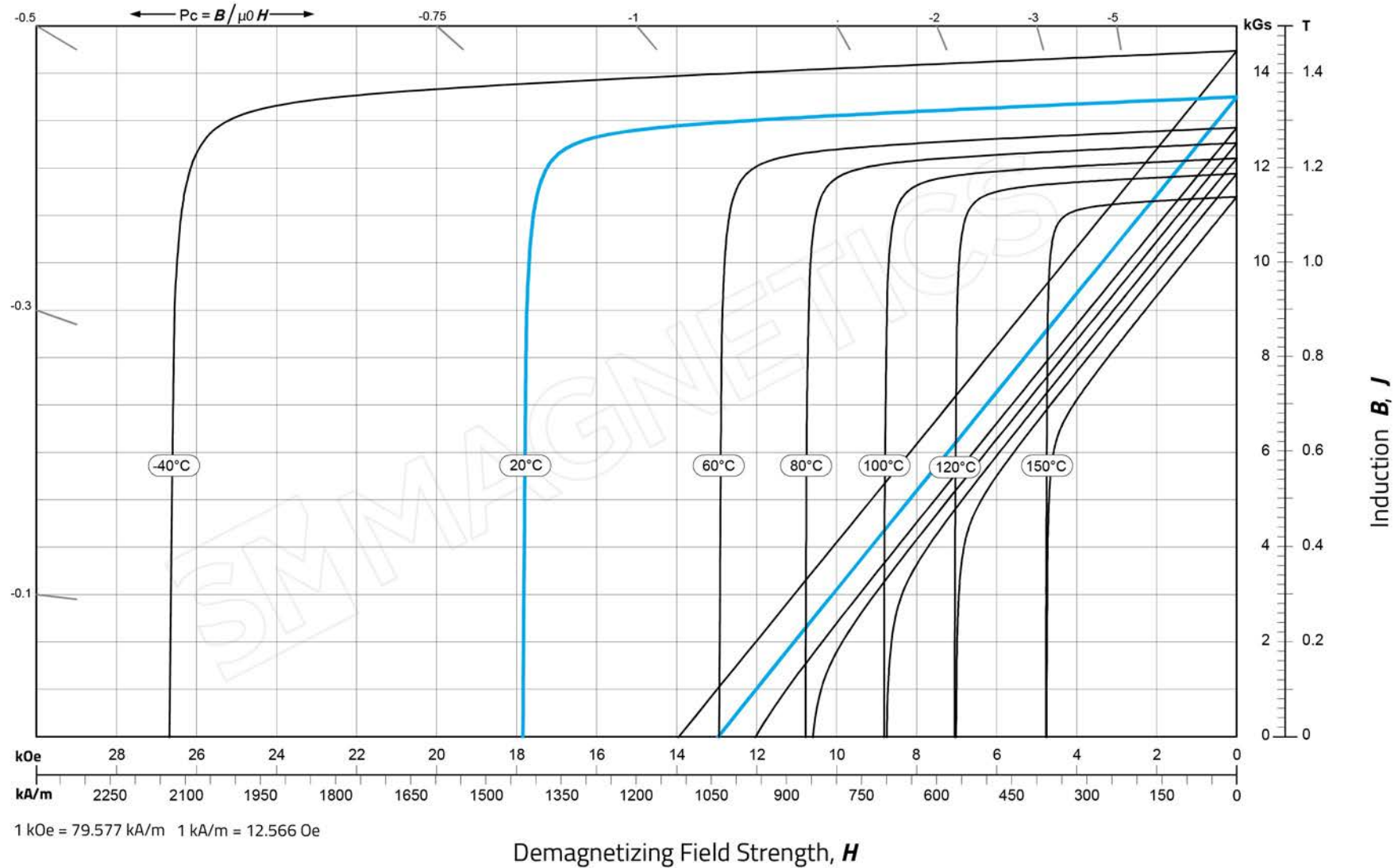
B_r (Remanence):
12.8 - 13.2 kGs
1.28 - 1.32 T

H_{cb} (Normal Coercivity):
 ≥ 12.0 kOe
 ≥ 955 kA/m

H_d (Intrinsic Coercivity):
 ≥ 17.0 kOe
 ≥ 1353 kA/m

$(BH)_{max}$ (Max Energy Product):
40 - 43 MGOe
318 - 342 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N45H

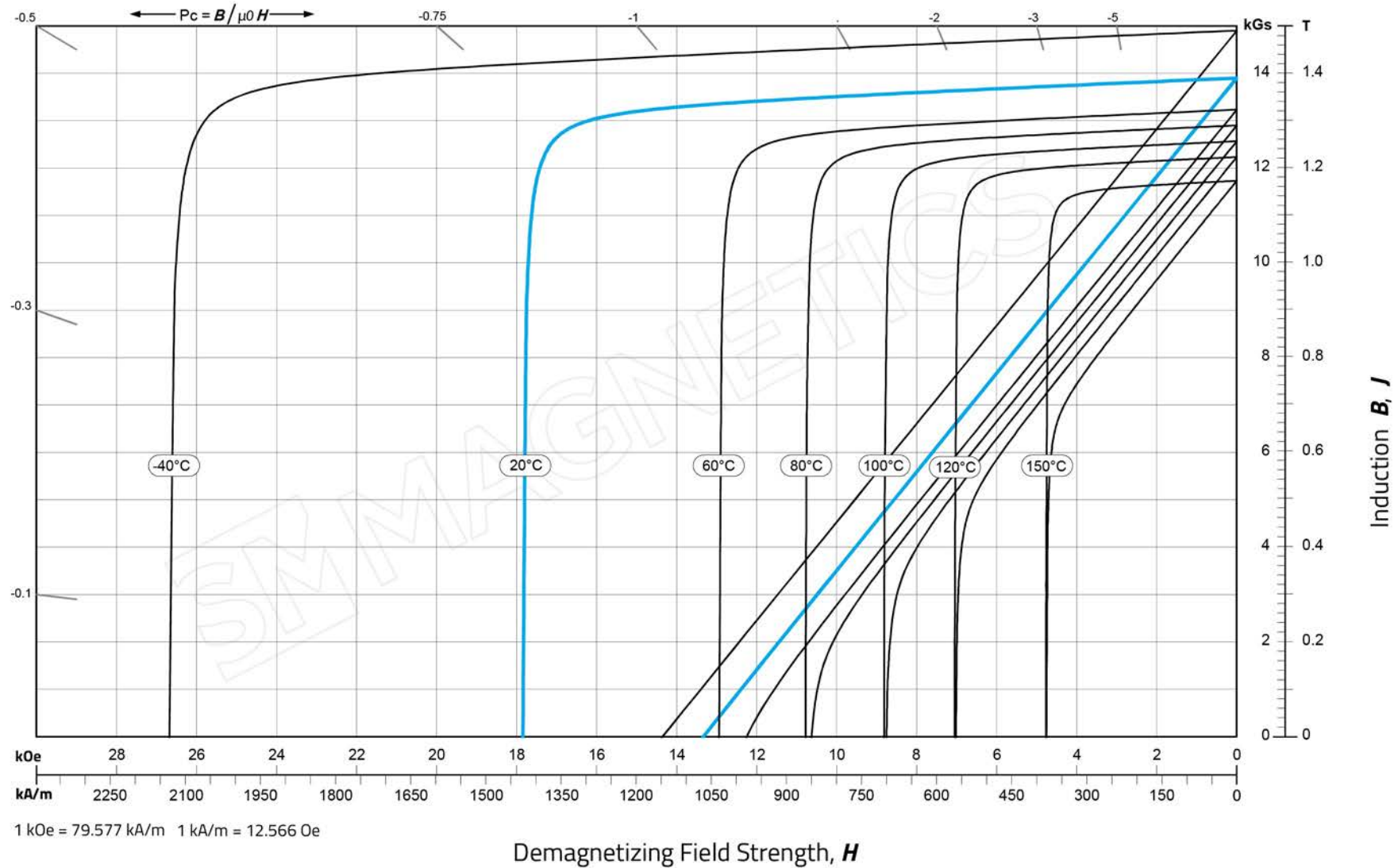
B_r (Remanence):
13.2 - 13.7 kGs
1.32 - 1.37 T

H_{cB} (Normal Coercivity):
≥ 12.2 kOe
≥ 971 kA/m

H_{ci} (Intrinsic Coercivity):
≥ 17.0 kOe
≥ 1353 kA/m

$(BH)_{max}$ (Max Energy Product):
43 - 46 MGOe
344 - 366 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N48H

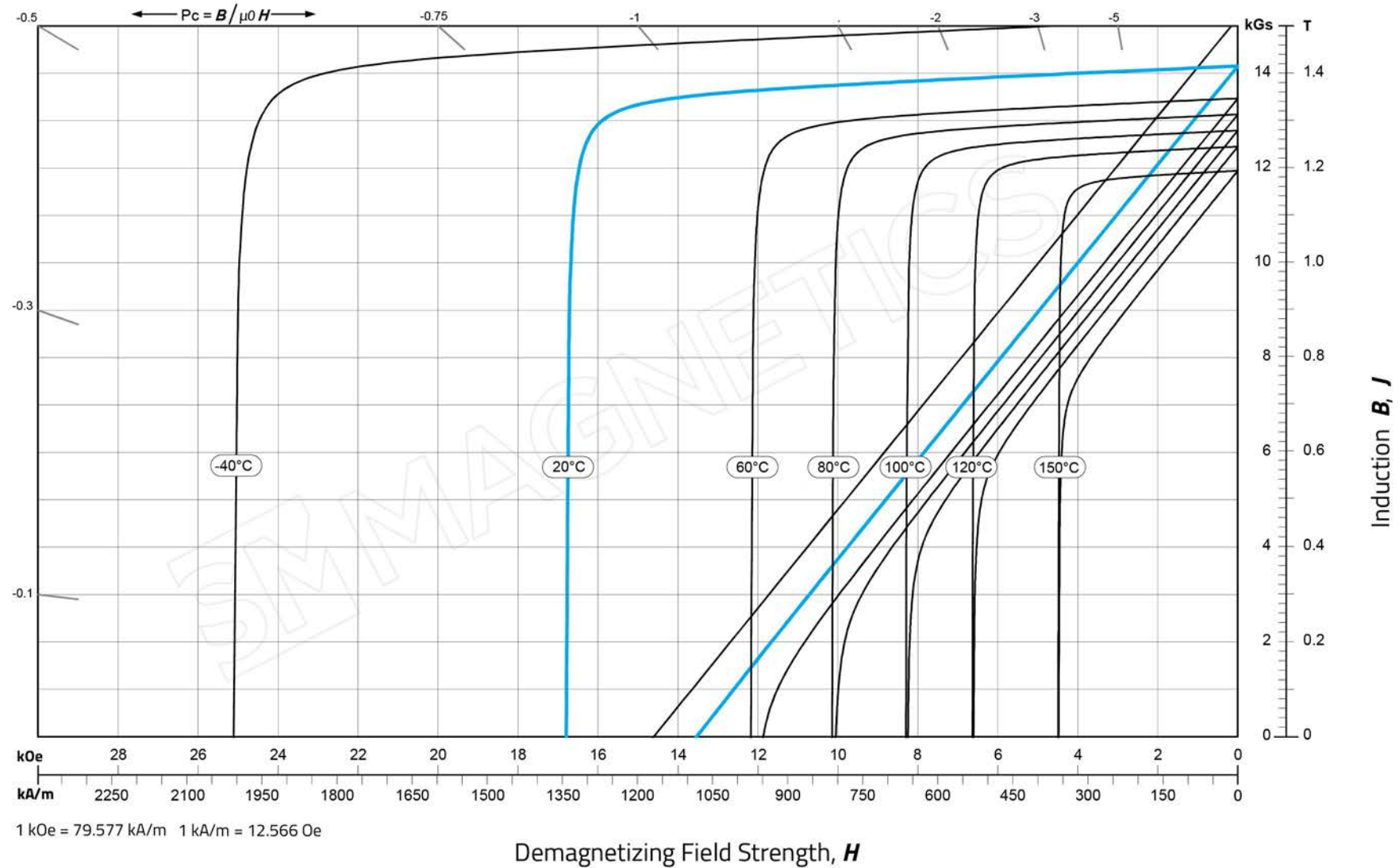
B_r (Remanence):
13.6 - 14.2 kGs
1.36 - 1.42 T

H_{cB} (Normal Coercivity):
 ≥ 12.7 kOe
 ≥ 1011 kA/m

H_{di} (Intrinsic Coercivity):
 ≥ 17.0 kOe
 ≥ 1353 kA/m

$(BH)_{max}$ (Max Energy Product):
46 - 49 MGOe
366 - 392 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N50H

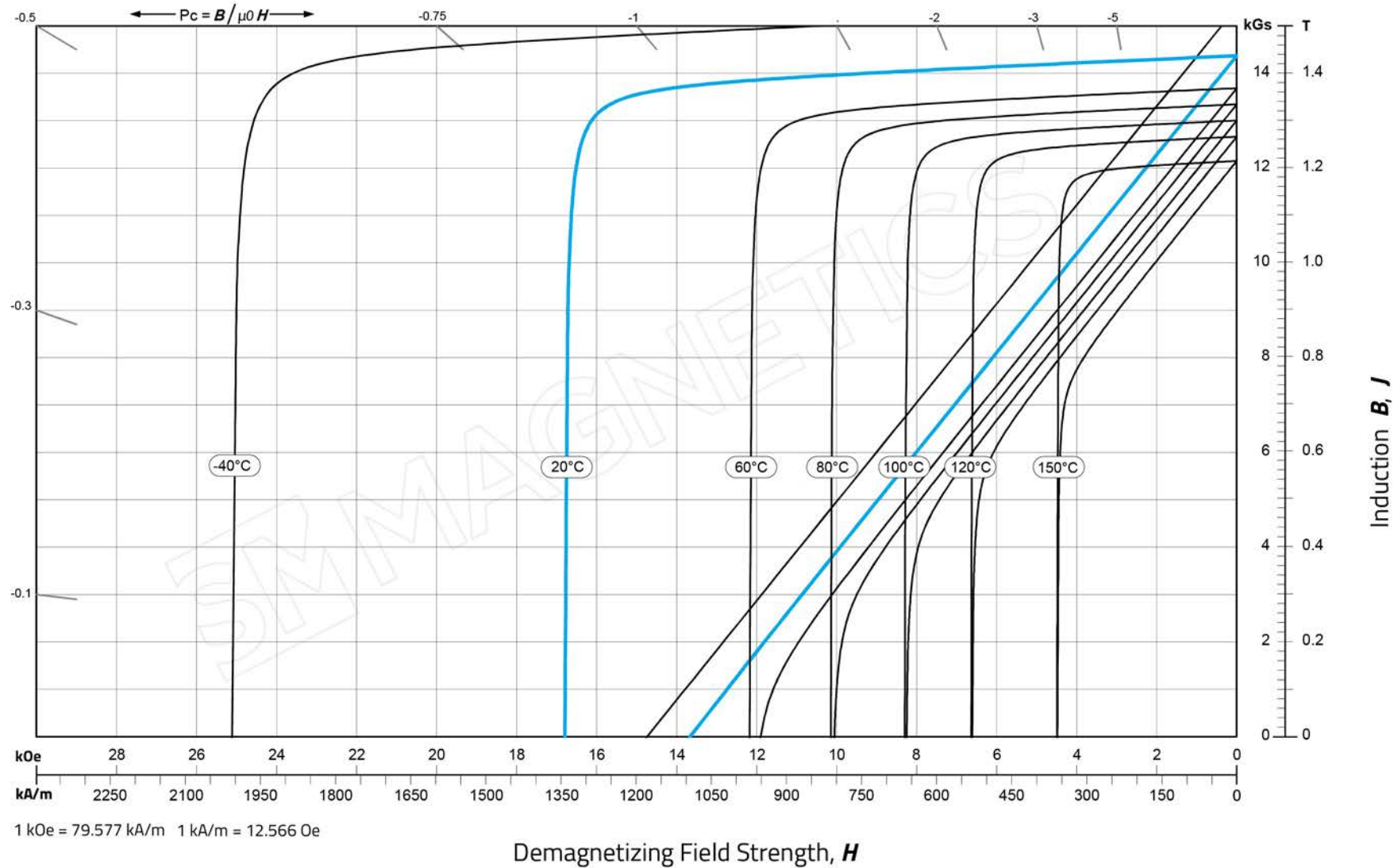
B_r (Remanence):
13.9 - 14.4 kGs
1.39 - 1.44 T

H_{cb} (Normal Coercivity):
 ≥ 13.0 kOe
 ≥ 1035 kA/m

H_d (Intrinsic Coercivity):
 ≥ 17.0 kOe
 ≥ 1353 kA/m

$(BH)_{max}$ (Max Energy Product):
47 - 51 MGOe
374 - 406 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N52H

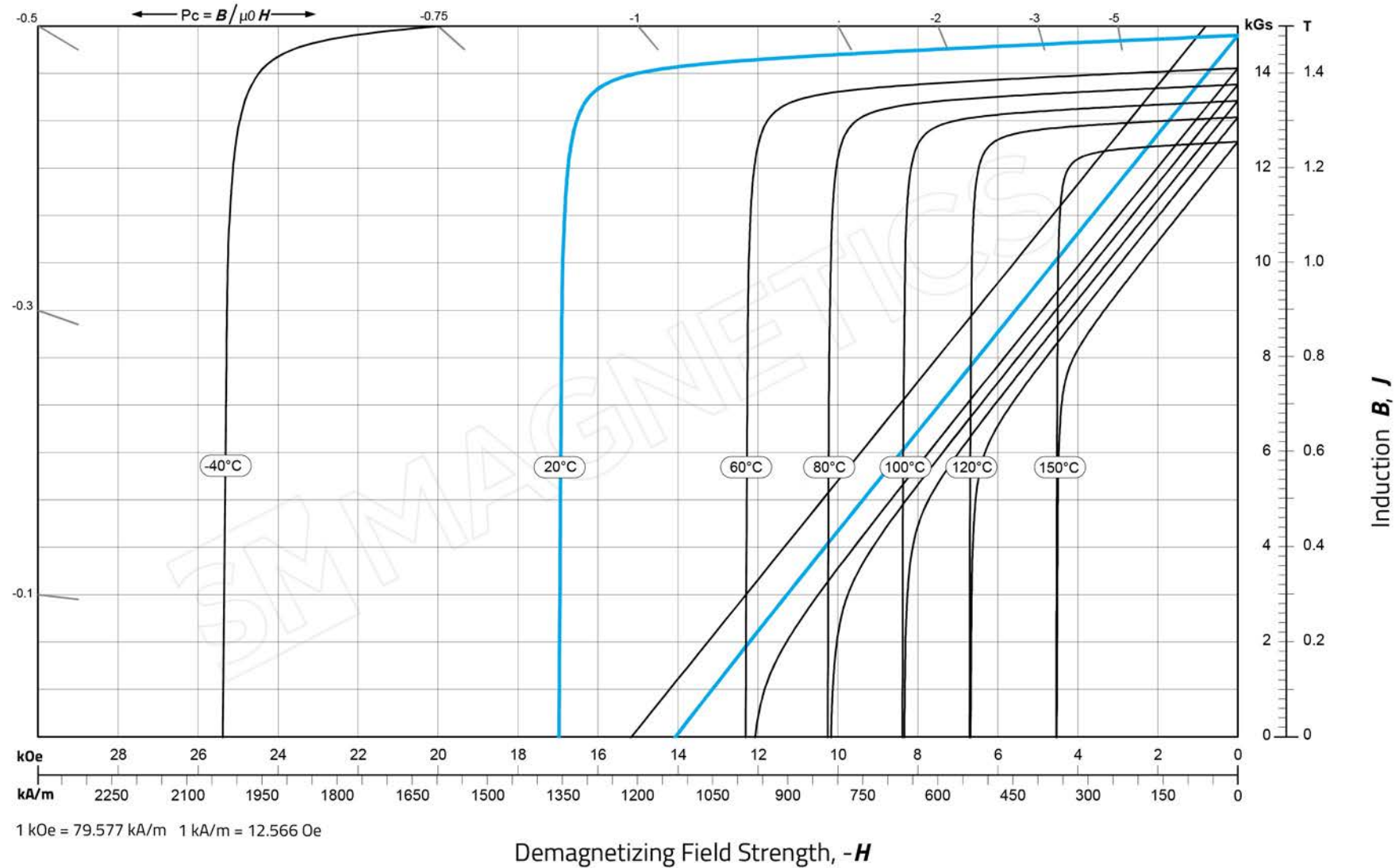
B_r (Remanence):
14.2 - 14.7 kGs
1.42 - 1.47 T

H_{cB} (Normal Coercivity):
 ≥ 13.0 kOe
 ≥ 1035 kA/m

H_d (Intrinsic Coercivity):
 ≥ 17.0 kOe
 ≥ 1353 kA/m

$(BH)_{max}$ (Max Energy Product):
49 - 53 MGOe
390 - 422 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N54H

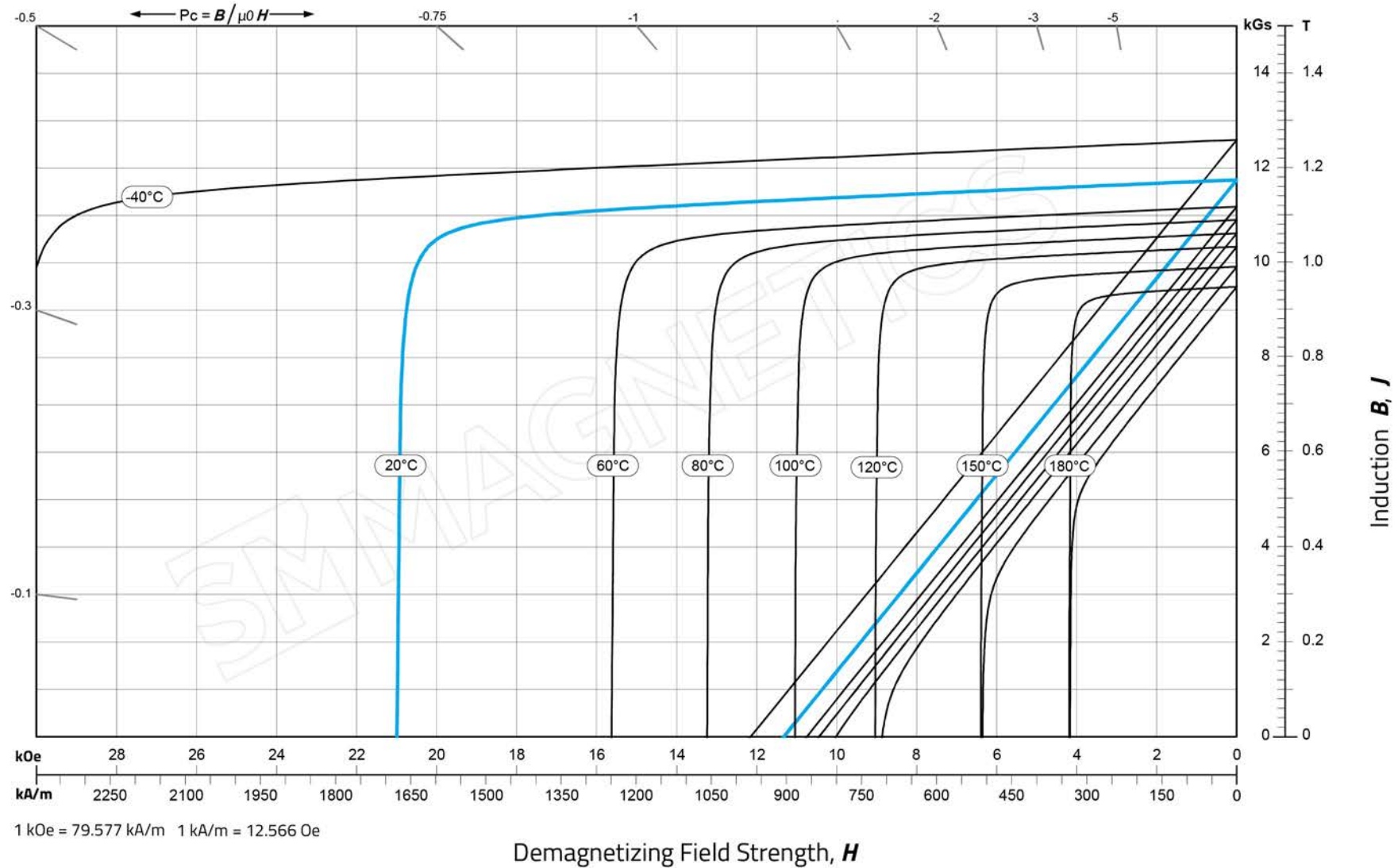
B_r (Remanence):
14.5 - 14.9 kGs
1.45 - 1.49 T

H_{cB} (Normal Coercivity):
 $\geq 13.3 \text{ kOe}$
 $\geq 1059 \text{ kA/m}$

H_{cJ} (Intrinsic Coercivity):
 $\geq 16.0 \text{ kOe}$
 $\geq 1273 \text{ kA/m}$

$(BH)_{max}$ (Max Energy Product):
51 - 55 MGOe
406 - 438 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N33SH

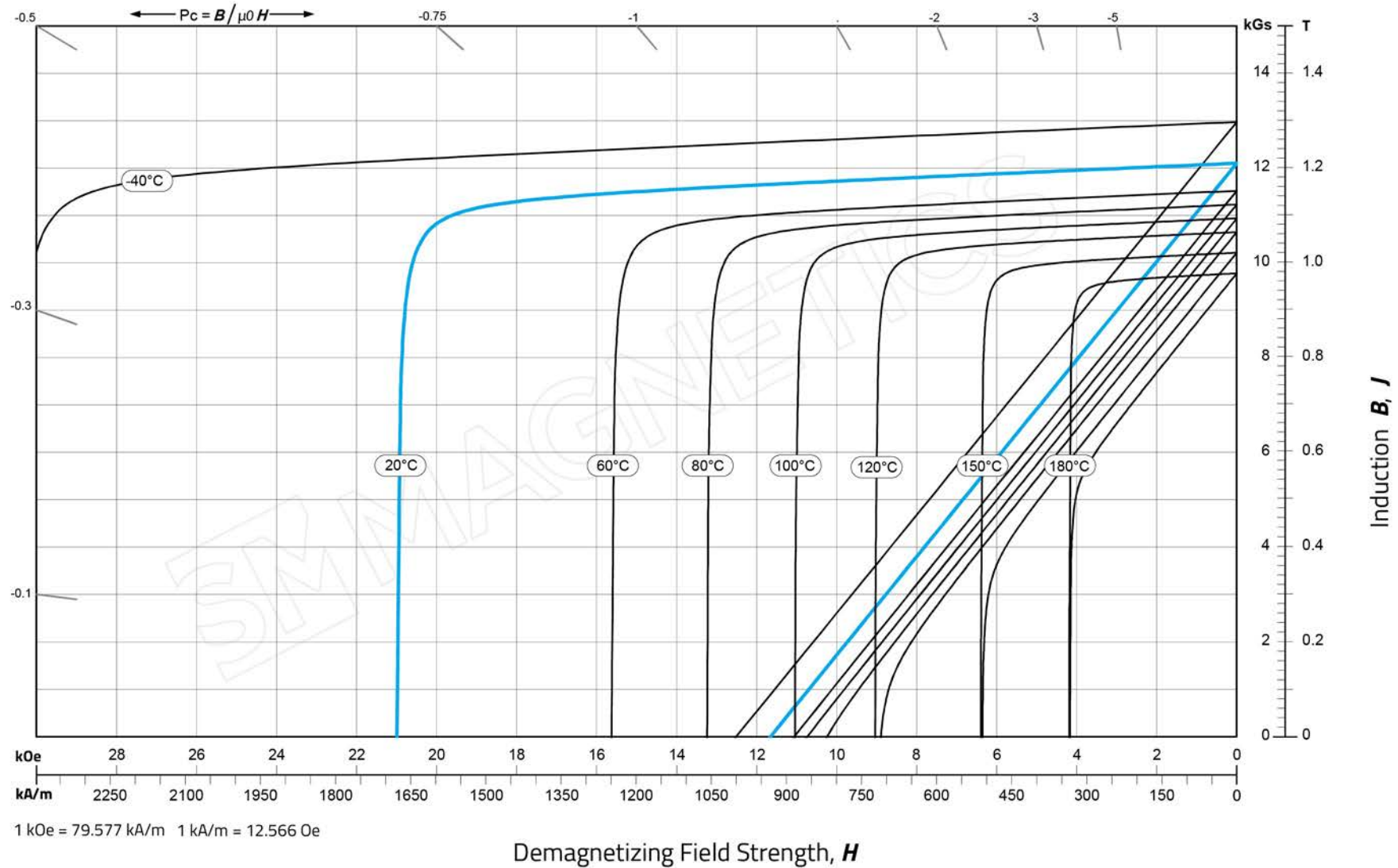
B_r (Remanence):
11.3 - 11.7 kGs
1.13 - 1.17 T

H_{cB} (Normal Coercivity):
 ≥ 10.6 kOe
 ≥ 844 kA/m

H_d (Intrinsic Coercivity):
 ≥ 20.0 kOe
 ≥ 1592 kA/m

$(BH)_{max}$ (Max Energy Product):
31 - 34 MGOe
247 - 272 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N35SH

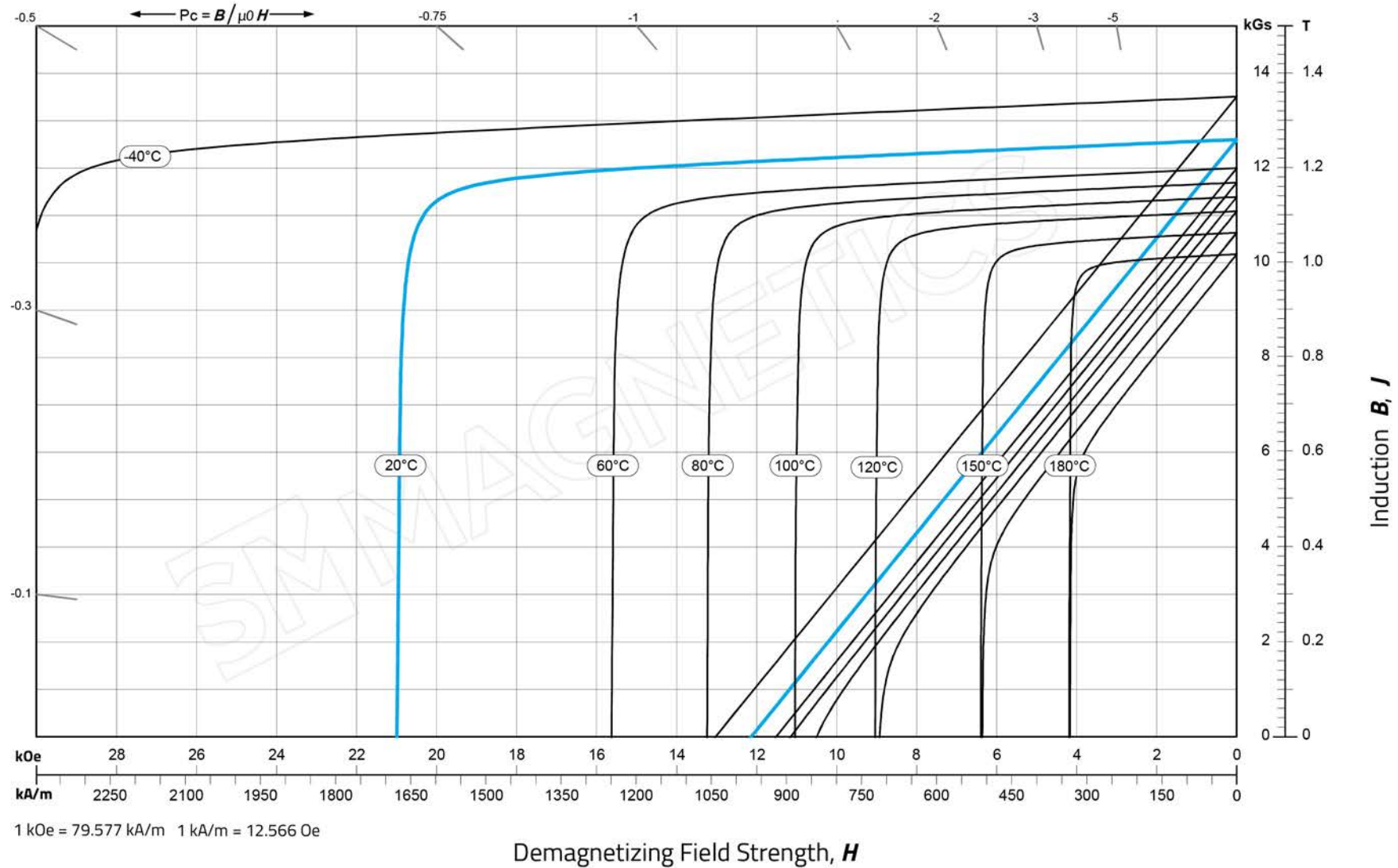
B_r (Remanence):
11.7 - 12.2 kGs
1.17 - 1.22 T

H_{cb} (Normal Coercivity):
 ≥ 11.0 kOe
 ≥ 876 kA/m

H_d (Intrinsic Coercivity):
 ≥ 20.0 kOe
 ≥ 1592 kA/m

$(BH)_{max}$ (Max Energy Product):
33 - 36 MGOe
263 - 287 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N38SH

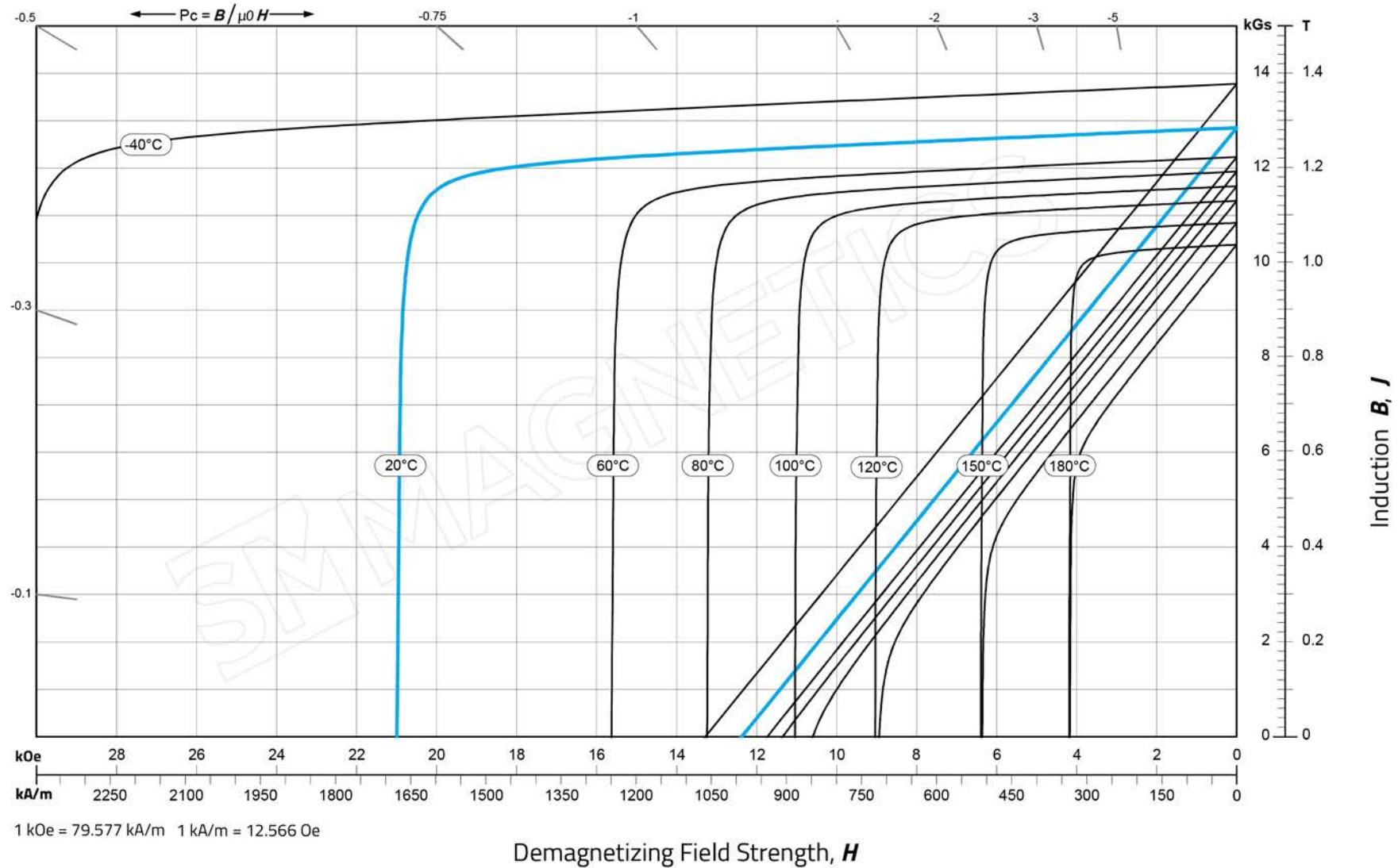
B_r (Remanence):
12.2 - 12.5 kGs
1.22 - 1.25 T

H_{cb} (Normal Coercivity):
 ≥ 11.4 kOe
 ≥ 907 kA/m

H_d (Intrinsic Coercivity):
 ≥ 20.0 kOe
 ≥ 1592 kA/m

$(BH)_{max}$ (Max Energy Product):
36 - 39 MGOe
287 - 310 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N40SH

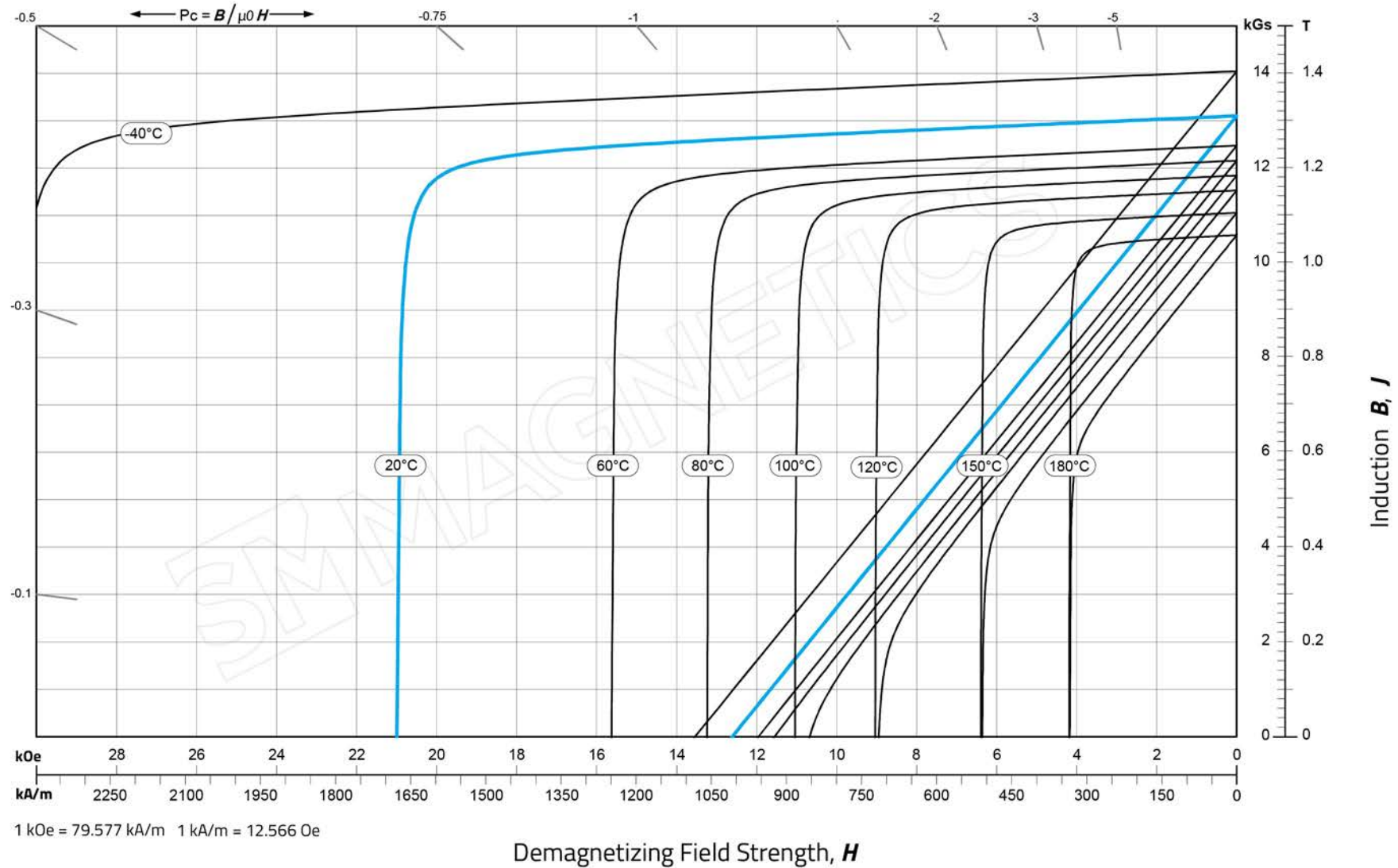
B_r (Remanence):
12.5 - 12.8 kGs
1.25 - 1.28 T

H_{cb} (Normal Coercivity):
 ≥ 11.8 kOe
 ≥ 939 kA/m

H_d (Intrinsic Coercivity):
 ≥ 20.0 kOe
 ≥ 1592 kA/m

$(BH)_{max}$ (Max Energy Product):
38 - 41 MGOe
302 - 326 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N42SH

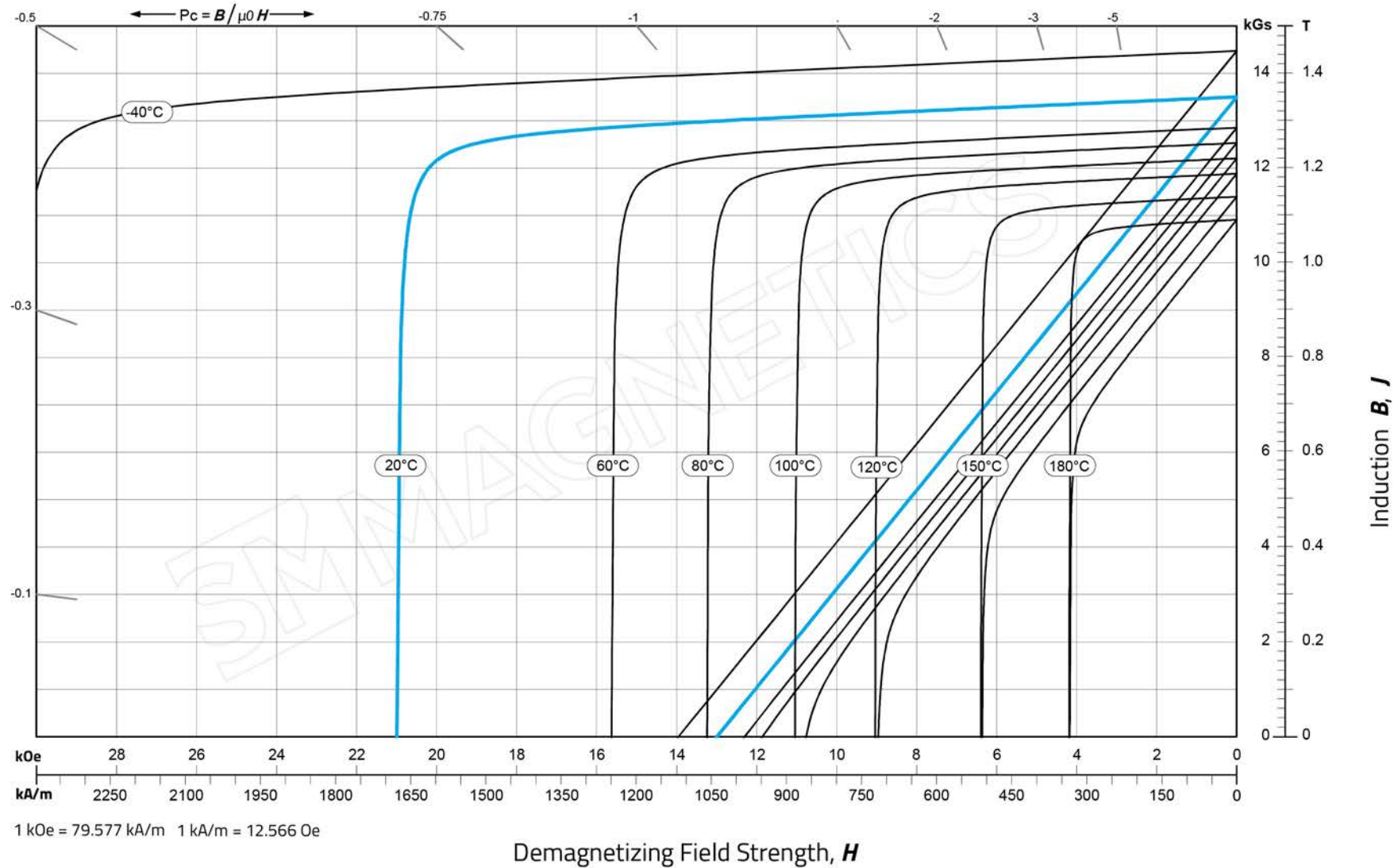
B_r (Remanence):
12.8 - 13.2 kGs
1.28 - 1.32 T

H_{cb} (Normal Coercivity):
 ≥ 12.0 kOe
 ≥ 955 kA/m

H_d (Intrinsic Coercivity):
 ≥ 20.0 kOe
 ≥ 1592 kA/m

$(BH)_{max}$ (Max Energy Product):
40 - 43 MGOe
318 - 342 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N45SH

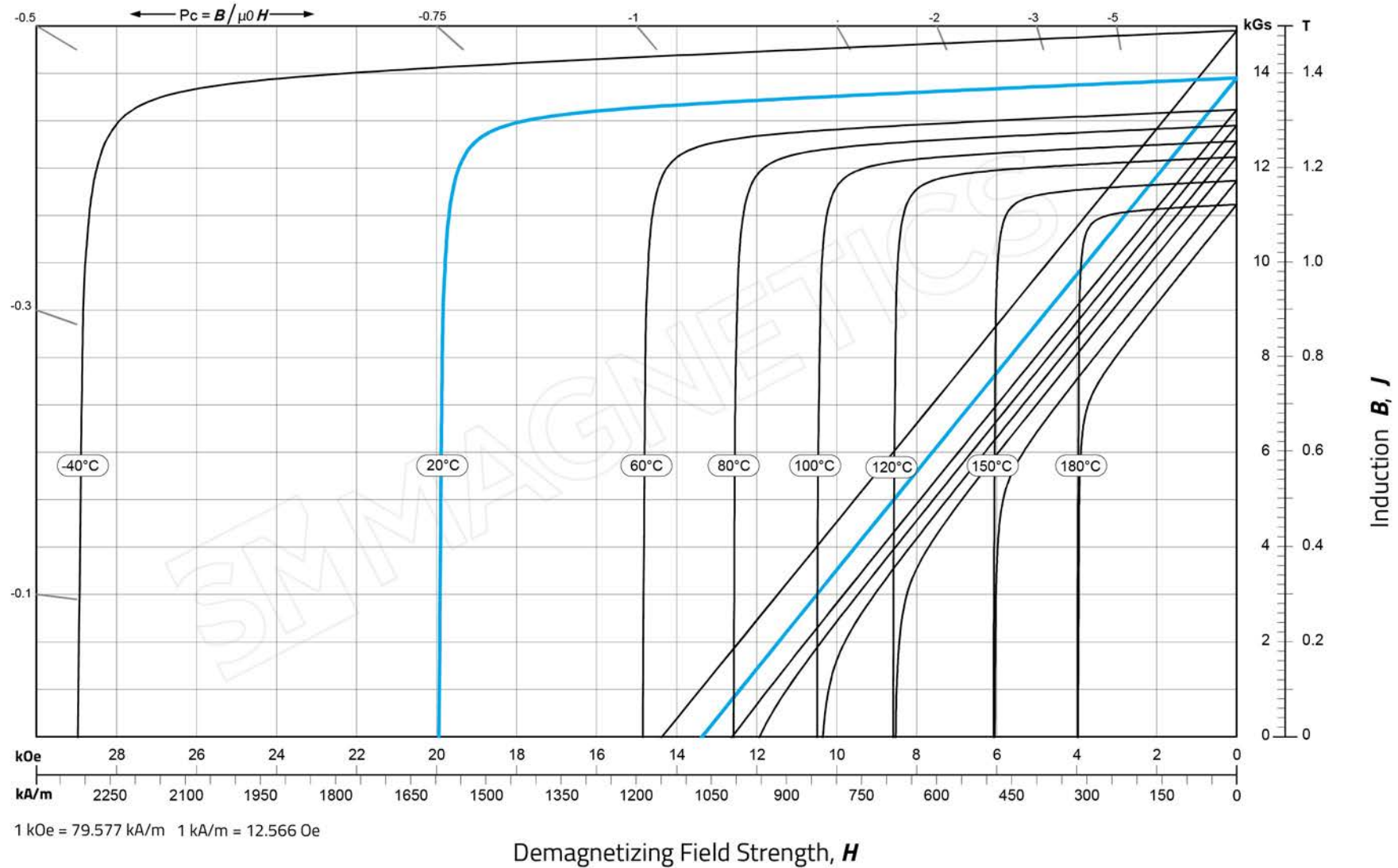
B_r (Remanence):
13.2 - 13.7 kGs
1.32 - 1.37 T

H_{cb} (Normal Coercivity):
 ≥ 12.3 kOe
 ≥ 979 kA/m

H_d (Intrinsic Coercivity):
 ≥ 20.0 kOe
 ≥ 1592 kA/m

$(BH)_{max}$ (Max Energy Product):
43 - 46 MGOe
342 - 366 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N48SH

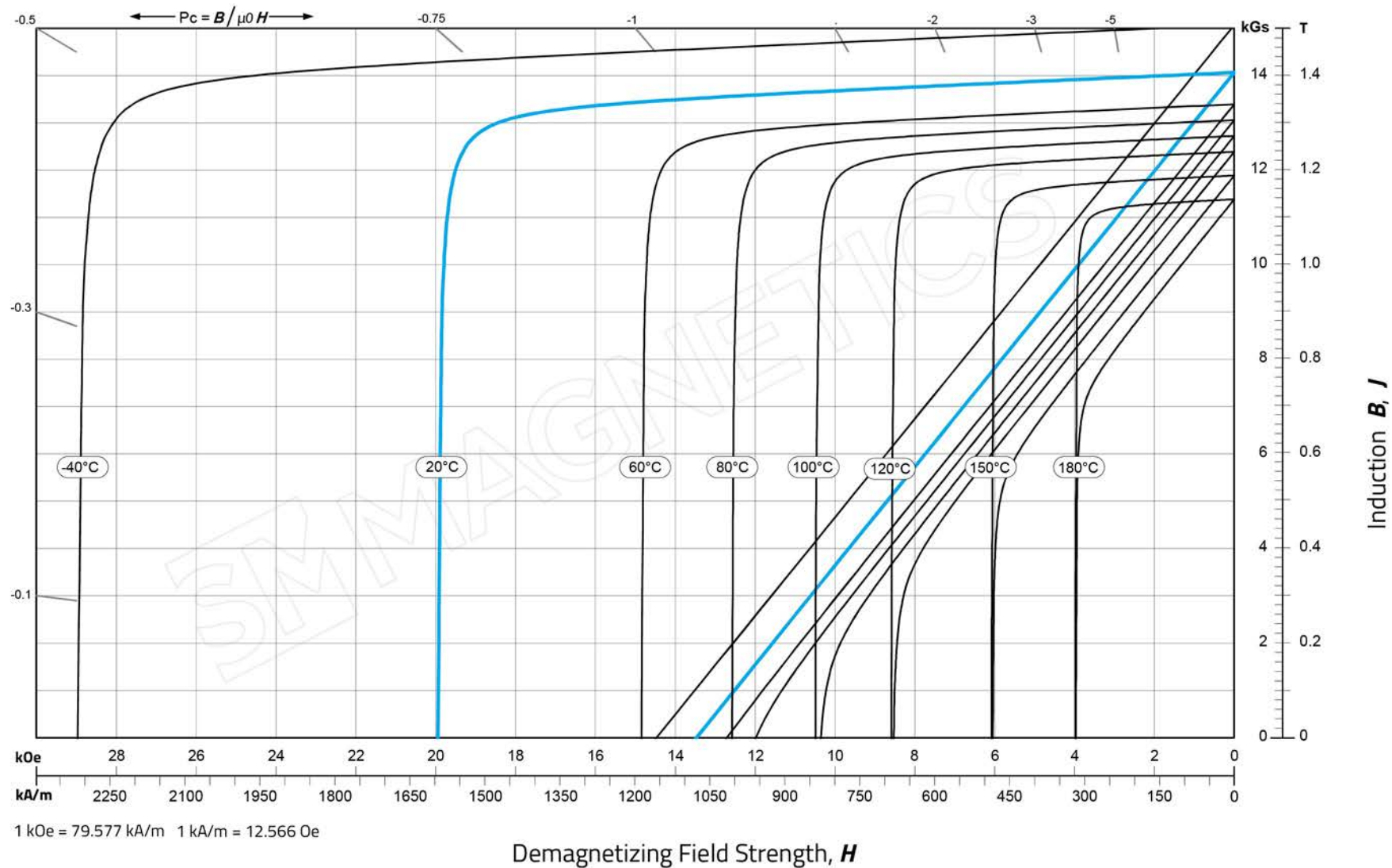
B_r (Remanence):
13.6 - 14.2 kGs
1.36 - 1.42 T

H_{cb} (Normal Coercivity):
 ≥ 12.5 kOe
 ≥ 995 kA/m

H_d (Intrinsic Coercivity):
 ≥ 20.0 kOe
 ≥ 1592 kA/m

$(BH)_{max}$ (Max Energy Product):
45 - 49 MGOe
366 - 390 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N50SH

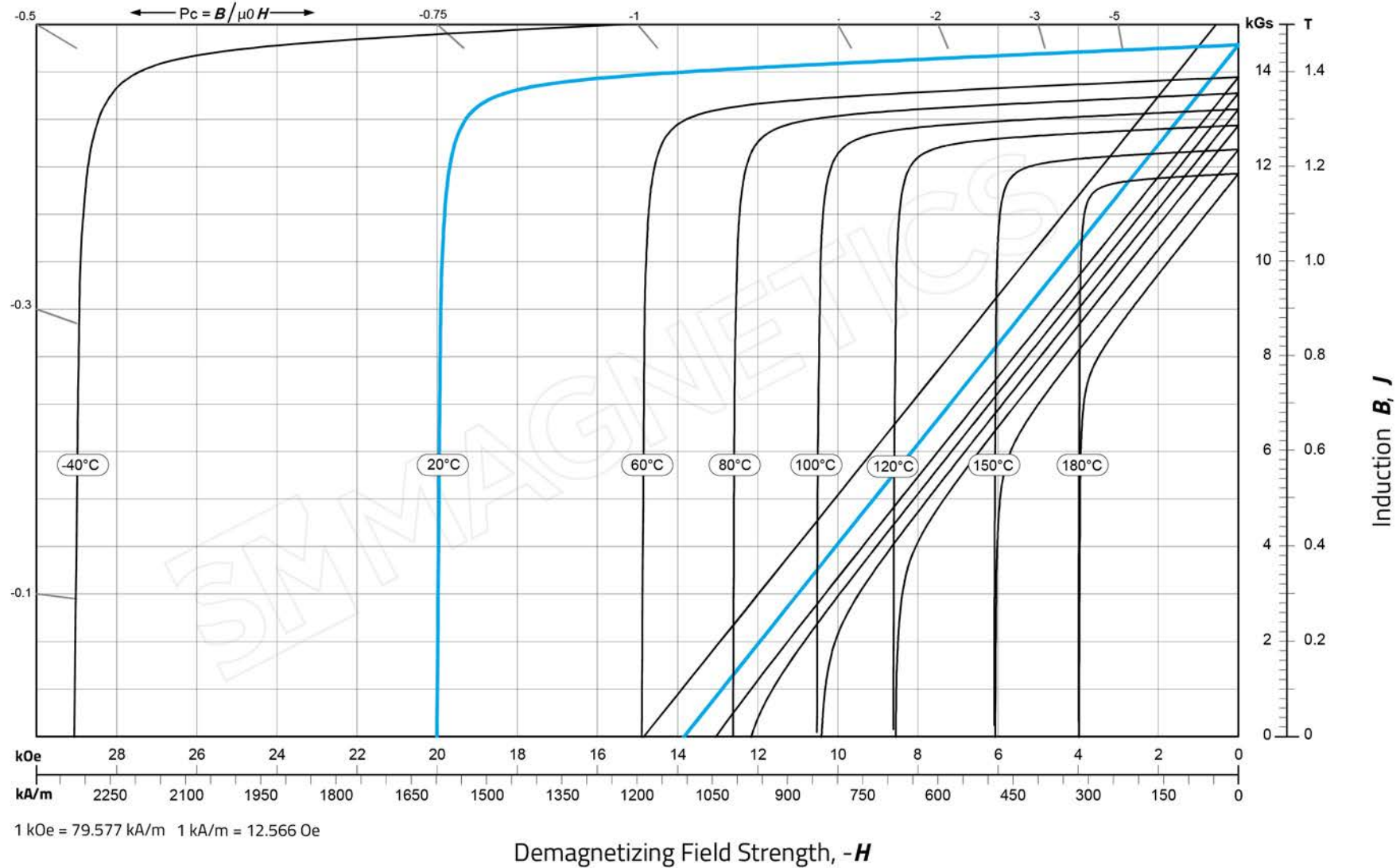
B_r (Remanence):
13.9 - 14.5 kGs
1.39 - 1.45 T

H_{cb} (Normal Coercivity):
 ≥ 12.5 kOe
 ≥ 995 kA/m

H_d (Intrinsic Coercivity):
 ≥ 20.0 kOe
 ≥ 1592 kA/m

$(BH)_{max}$ (Max Energy Product):
47 - 51 MGOe
374 - 406 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N52SH

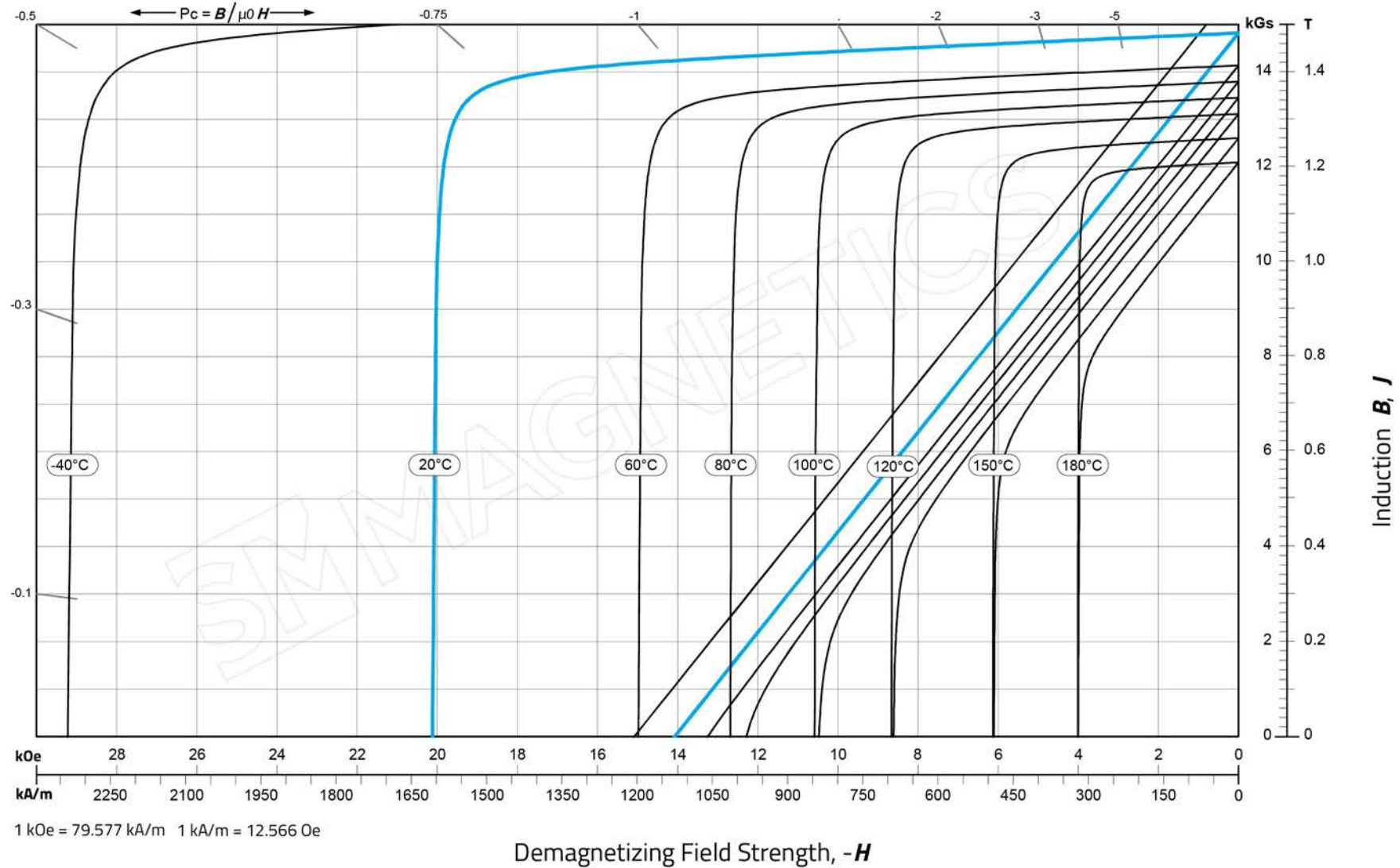
B_r (Remanence):
14.2 - 14.7 kGs
1.42 - 1.47 T

H_{cB} (Normal Coercivity):
 ≥ 13.0 kOe
 ≥ 1035 kA/m

H_d (Intrinsic Coercivity):
 ≥ 20.0 kOe
 ≥ 1592 kA/m

$(BH)_{max}$ (Max Energy Product):
49 - 53 MGOe
390 - 422 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N54SH

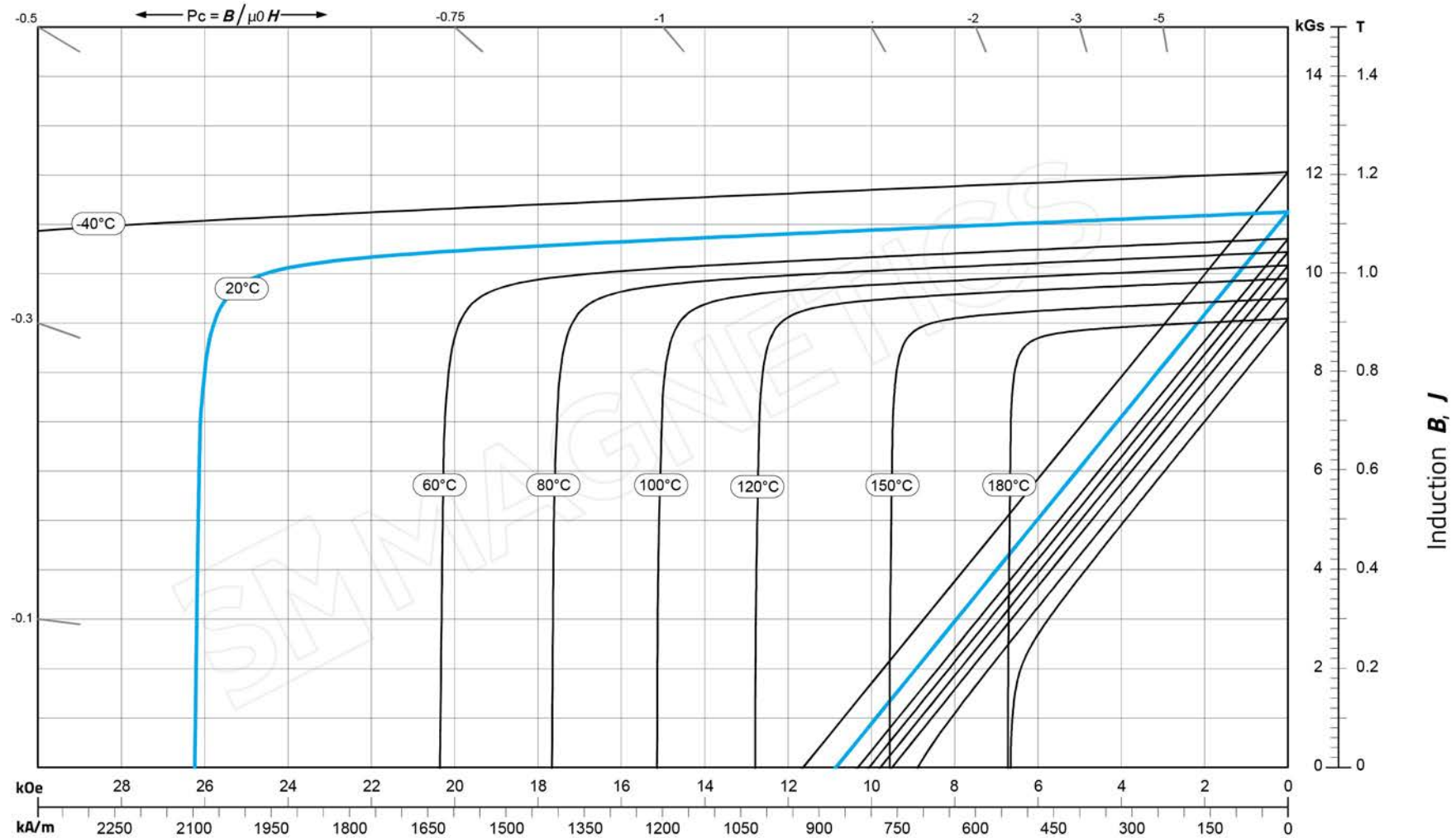
B_r (Remanence):
14.5 - 14.9 kGs
1.45 - 1.49 T

H_{cb} (Normal Coercivity):
≥ 13.3 kOe
≥ 1059 kA/m

H_d (Intrinsic Coercivity):
≥ 20.0 kOe
≥ 1592 kA/m

$(BH)_{max}$ (Max Energy Product):
51 - 55 MGOe
406 - 438 kJ/m³

Demagnetization Curves for Sintered NdFeB



1 kOe = 79.577 kA/m 1 kA/m = 12.566 Oe

Demagnetizing Field Strength, H

Magnetic Properties (20°C):

N30UH

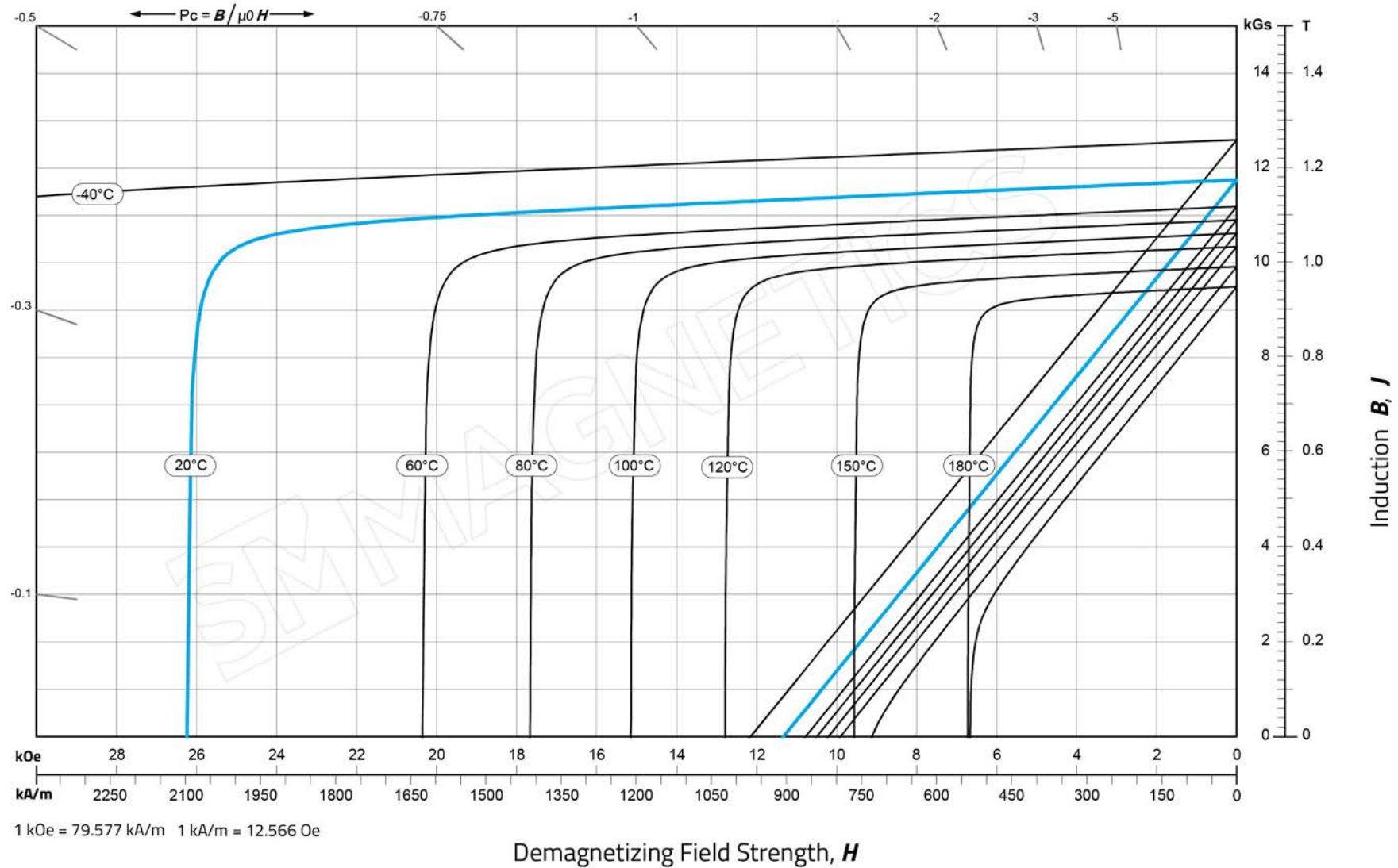
B_r (Remanence):
10.8 - 11.3 kGs
1.08 - 1.13 T

H_{cb} (Normal Coercivity):
 ≥ 10.2 kOe
 ≥ 812 kA/m

H_d (Intrinsic Coercivity):
 ≥ 25.0 kOe
 ≥ 1990 kA/m

$(BH)_{max}$ (Max Energy Product):
28 - 31 MGOe
223 - 247 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N33UH

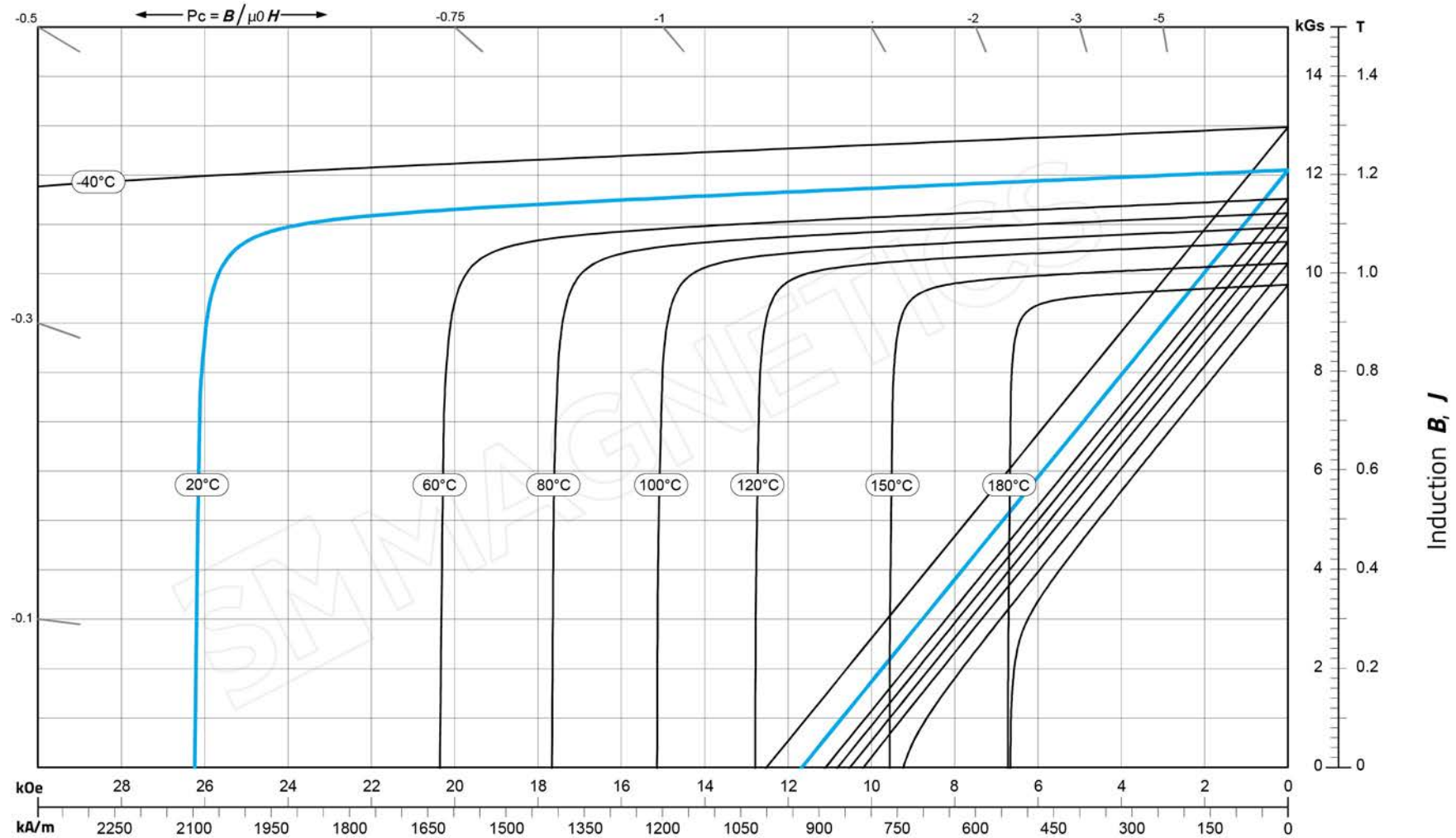
B_r (Remanence):
11.3 - 11.7 kGs
1.13 - 1.17 T

H_{cB} (Normal Coercivity):
≥ 10.7 kOe
≥ 852 kA/m

H_d (Intrinsic Coercivity):
≥ 25.0 kOe
≥ 1990 kA/m

$(BH)_{max}$ (Max Energy Product):
31 - 34 MGOe
247 - 271 kJ/m³

Demagnetization Curves for Sintered NdFeB



1 kOe = 79.577 kA/m 1 kA/m = 12.566 Oe

Demagnetizing Field Strength, H

Magnetic Properties (20°C):

N35UH

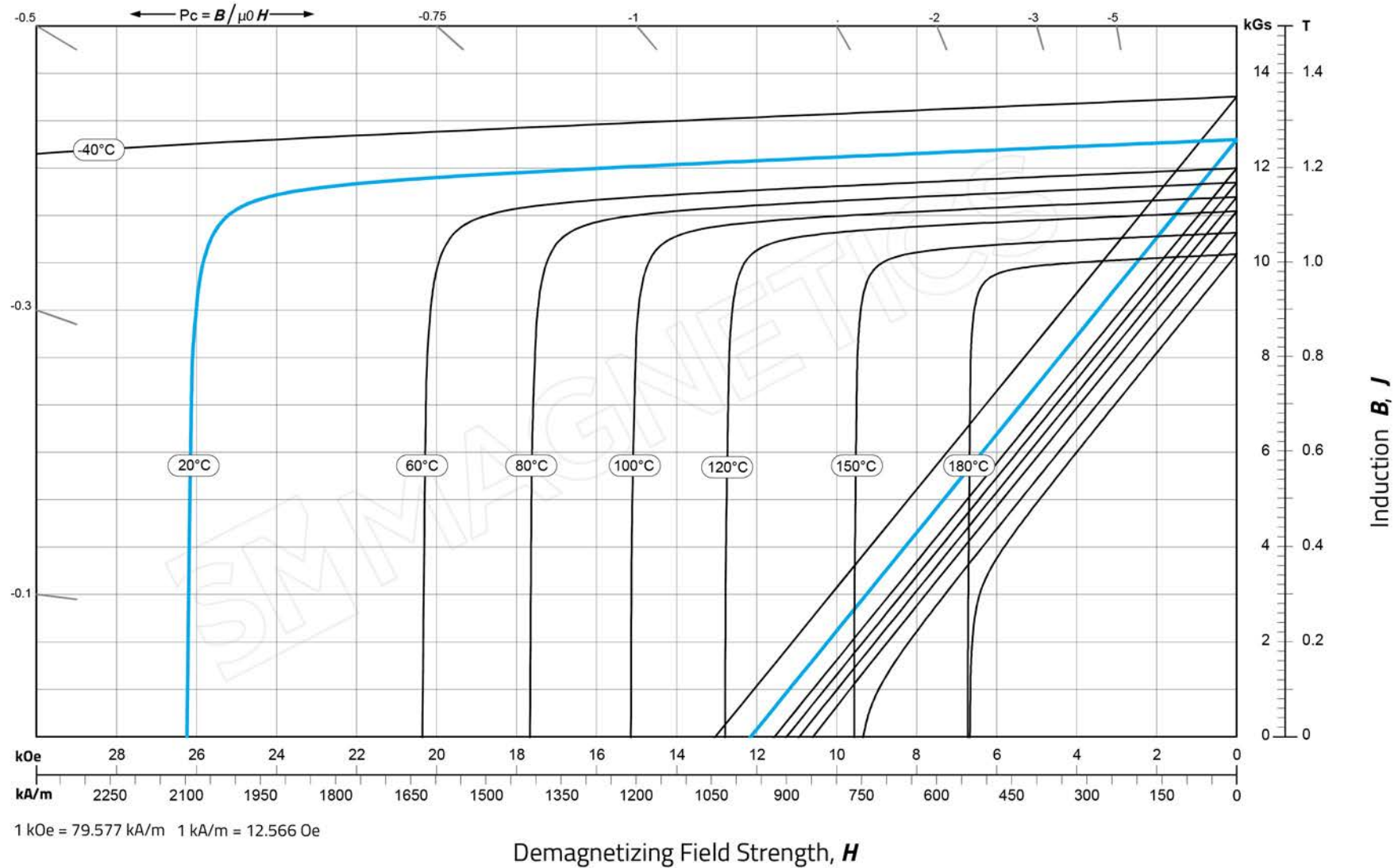
B_r (Remanence):
11.7 - 12.2 kGs
1.17 - 1.22 T

H_{cB} (Normal Coercivity):
 ≥ 10.8 kOe
 ≥ 860 kA/m

H_d (Intrinsic Coercivity):
 ≥ 25.0 kOe
 ≥ 1990 kA/m

$(BH)_{max}$ (Max Energy Product):
33 - 36 MGOe
263 - 287 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N38UH

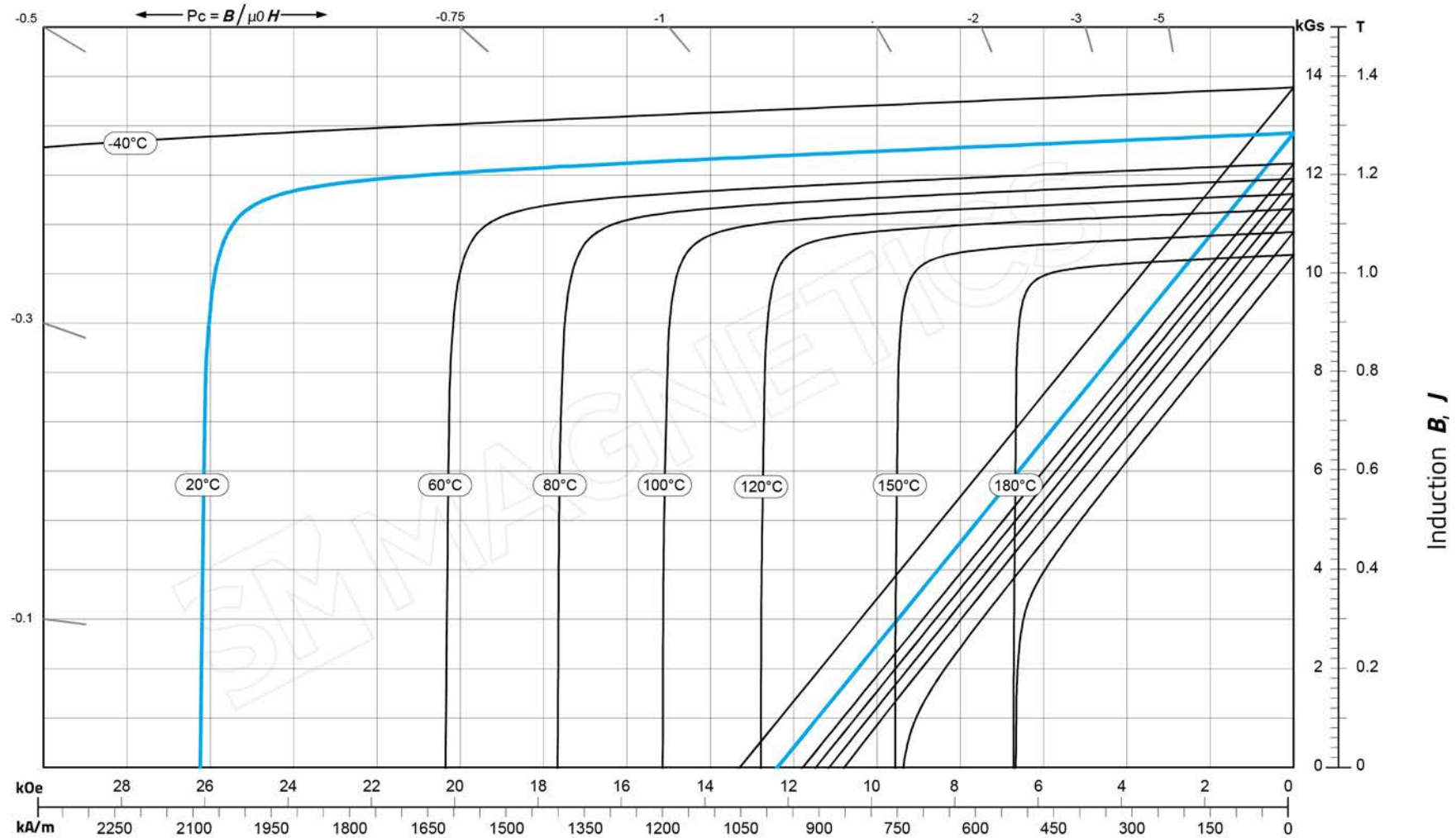
B_r (Remanence):
12.2 - 12.5 kGs
1.22 - 1.25 T

H_{cb} (Normal Coercivity):
 ≥ 11.0 kOe
 ≥ 876 kA/m

H_d (Intrinsic Coercivity):
 ≥ 25.0 kOe
 ≥ 1990 kA/m

$(BH)_{max}$ (Max Energy Product):
36 - 39 MGOe
287 - 310 kJ/m³

Demagnetization Curves for Sintered NdFeB



1 kOe = 79.577 kA/m 1 kA/m = 12.566 Oe

Demagnetizing Field Strength, H

Magnetic Properties (20°C):

N40UH

B_r (Remanence):

12.5 - 12.8 kGs
1.25 - 1.28 T

H_{cB} (Normal Coercivity):

≥ 11.5 kOe
≥ 915 kA/m

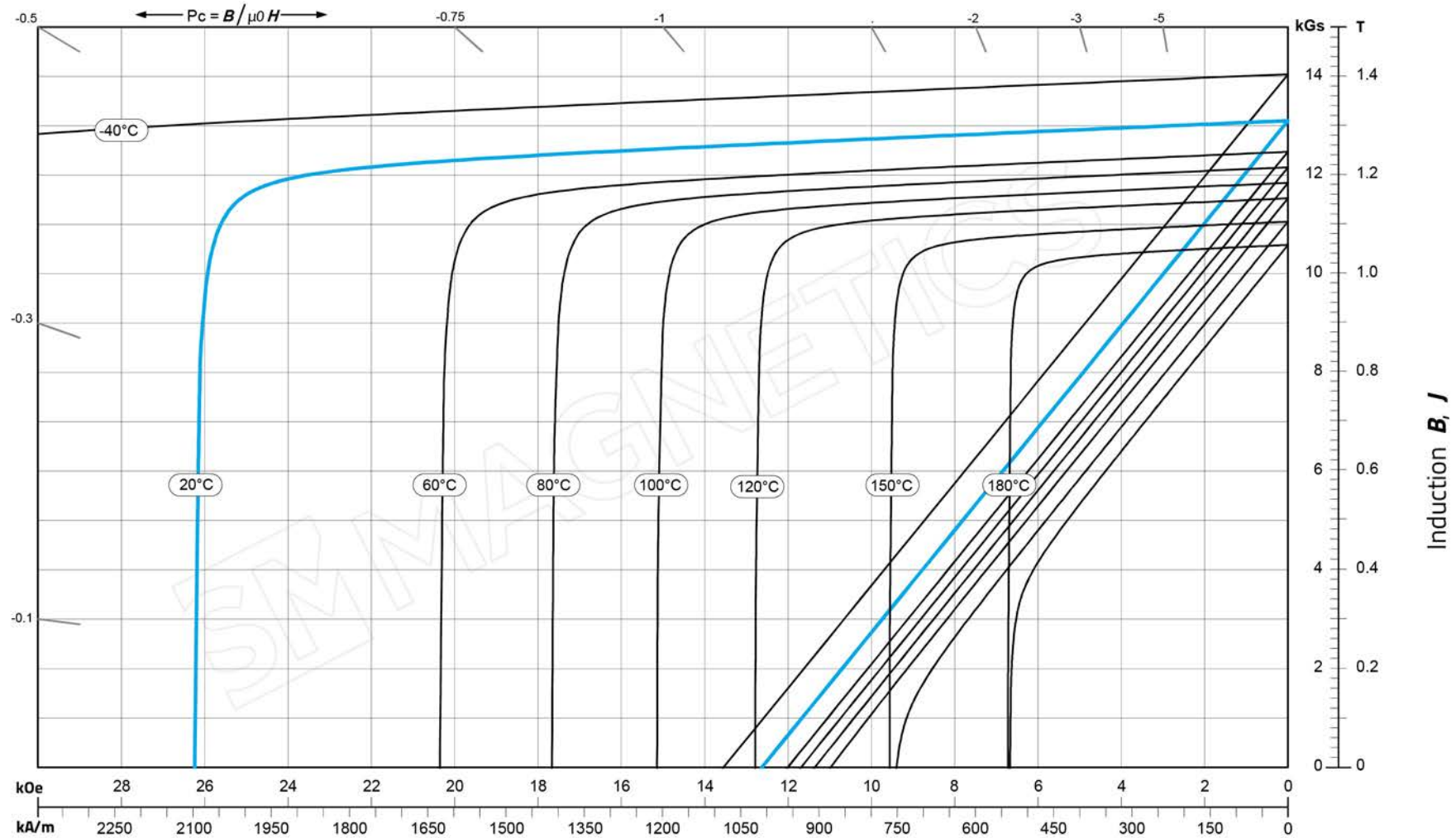
H_d (Intrinsic Coercivity):

≥ 25.0 kOe
≥ 1990 kA/m

$(BH)_{max}$ (Max Energy Product):

38 - 41 MGOe
302 - 326 kJ/m³

Demagnetization Curves for Sintered NdFeB



1 kOe = 79.577 kA/m 1 kA/m = 12.566 Oe

Demagnetizing Field Strength, H

Magnetic Properties (20°C):

N42UH

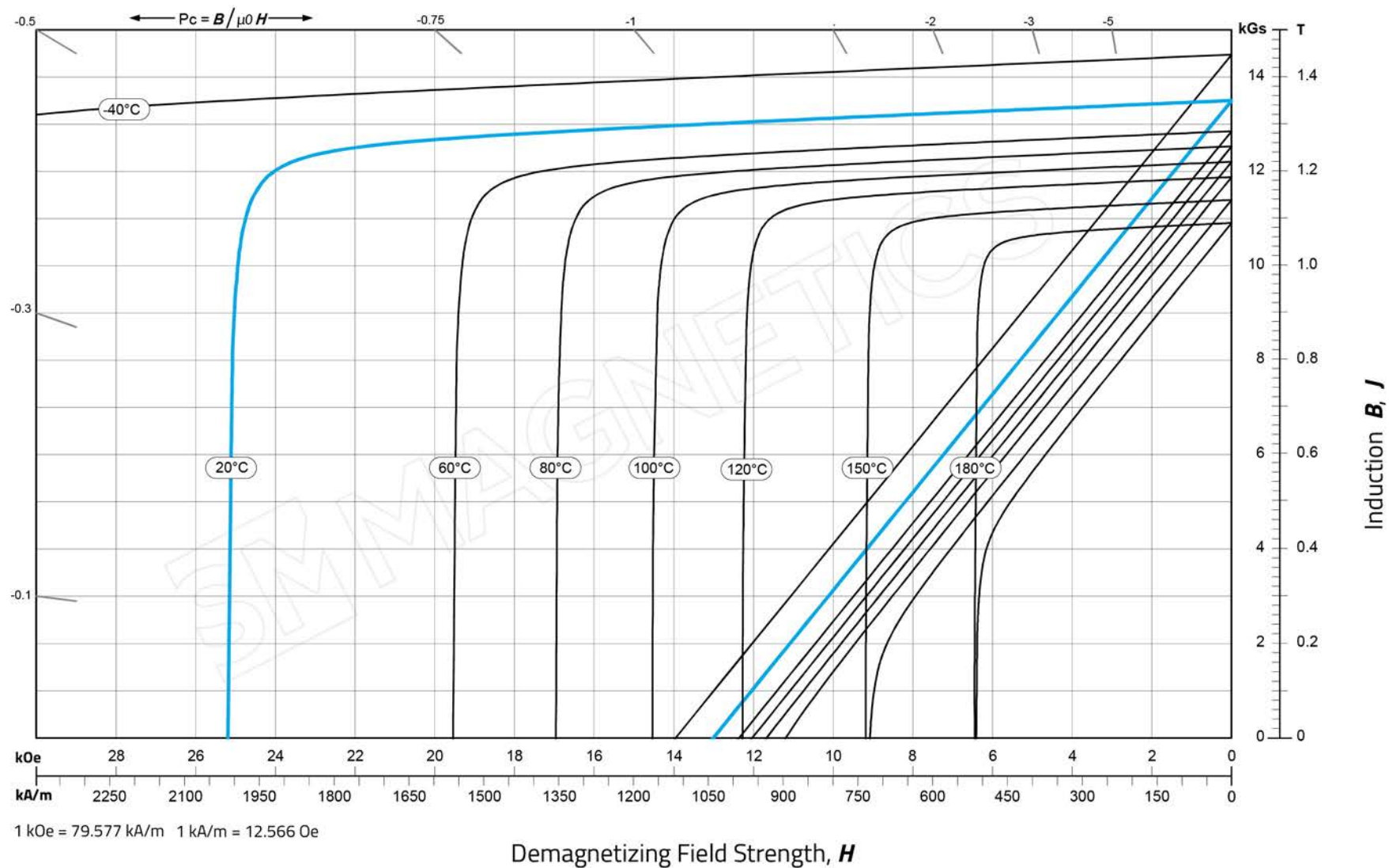
B_r (Remanence):
12.7 - 13.2 kGs
1.27 - 1.32 T

H_{cb} (Normal Coercivity):
 ≥ 12.0 kOe
 ≥ 955 kA/m

H_d (Intrinsic Coercivity):
 ≥ 25.0 kOe
 ≥ 1990 kA/m

$(BH)_{max}$ (Max Energy Product):
40 - 43 MGOe
318 - 342 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N45UH

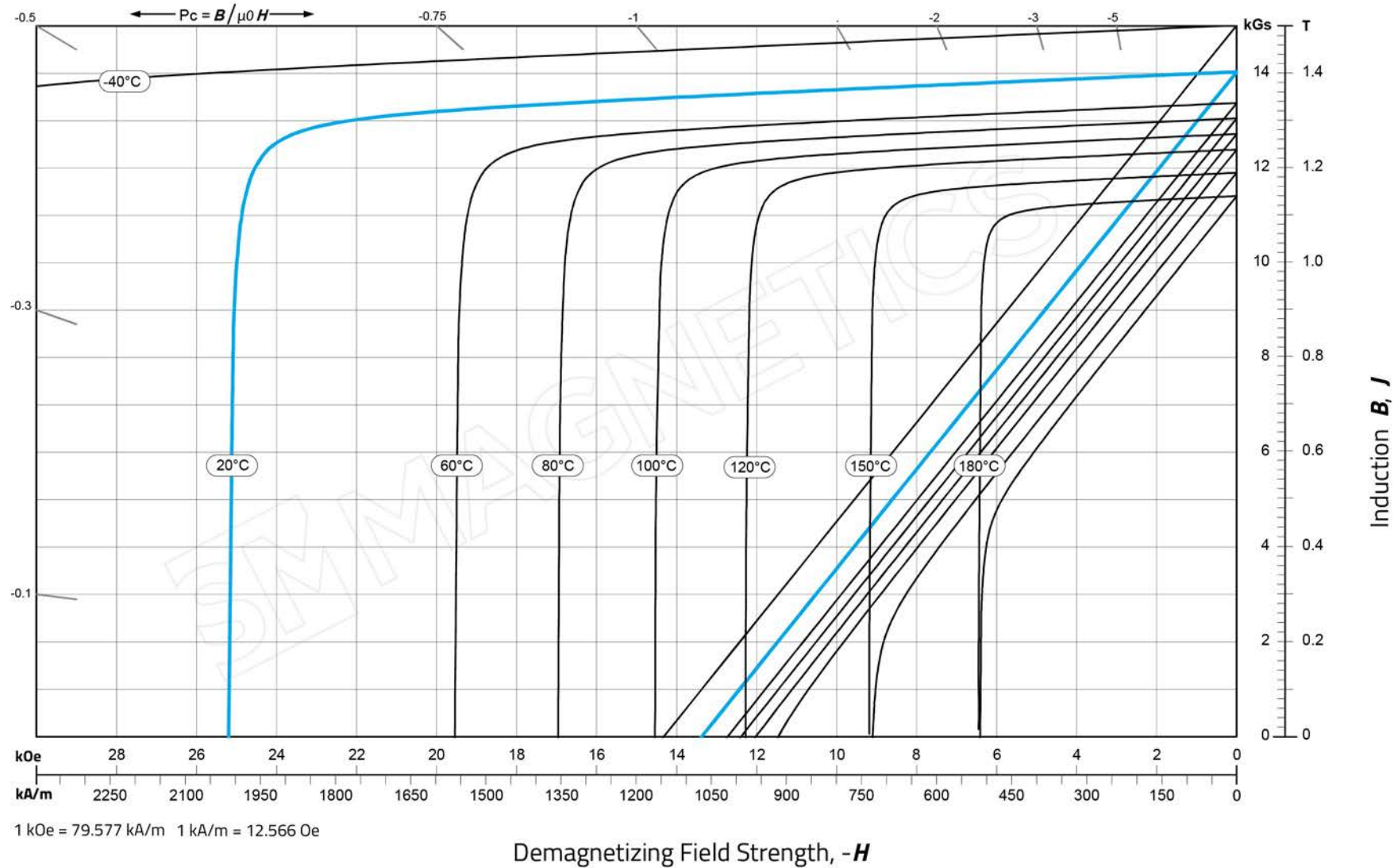
B_r (Remanence):
13.2 - 13.7 kGs
1.32 - 1.37 T

H_{cb} (Normal Coercivity):
 ≥ 12.5 kOe
 ≥ 995 kA/m

H_d (Intrinsic Coercivity):
 ≥ 25.0 kOe
 ≥ 1990 kA/m

$(BH)_{max}$ (Max Energy Product):
43 - 46 MGOe
342 - 366 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N48UH

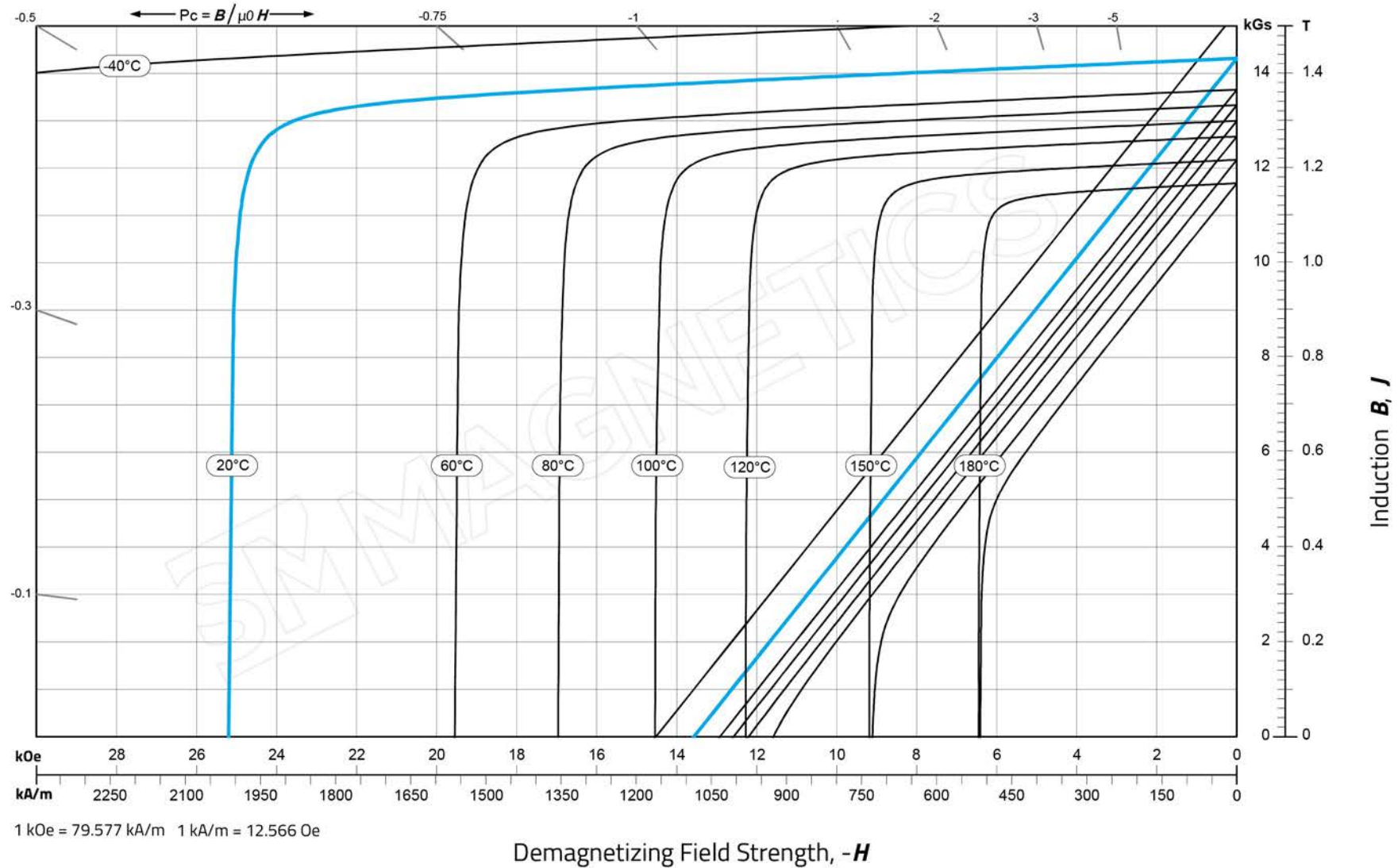
B_r (Remanence):
13.8 - 14.2 kGs
1.38 - 1.42 T

H_{cB} (Normal Coercivity):
≥ 12.9 kOe
≥ 1031 kA/m

H_d (Intrinsic Coercivity):
≥ 25.0 kOe
≥ 1990 kA/m

$(BH)_{max}$ (Max Energy Product):
46 - 49 MGOe
366 - 390 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N50UH

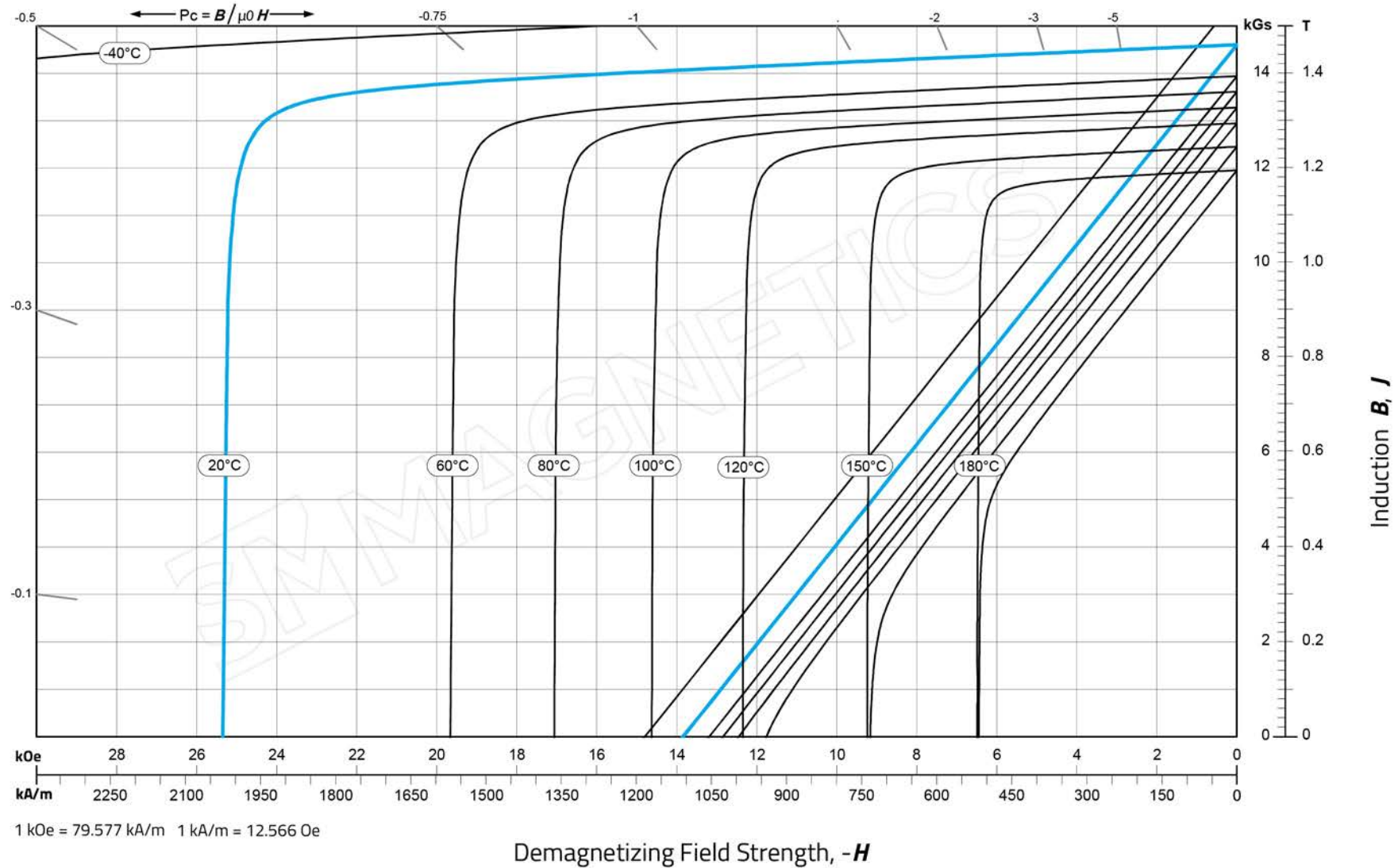
B_r (Remanence):
13.9 - 14.4 kGs
1.39 - 1.44 T

H_{cb} (Normal Coercivity):
 ≥ 13.0 kOe
 ≥ 1035 kA/m

H_d (Intrinsic Coercivity):
 ≥ 25.0 kOe
 ≥ 1990 kA/m

$(BH)_{max}$ (Max Energy Product):
47 - 51 MGOe
374 - 406 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N52UH

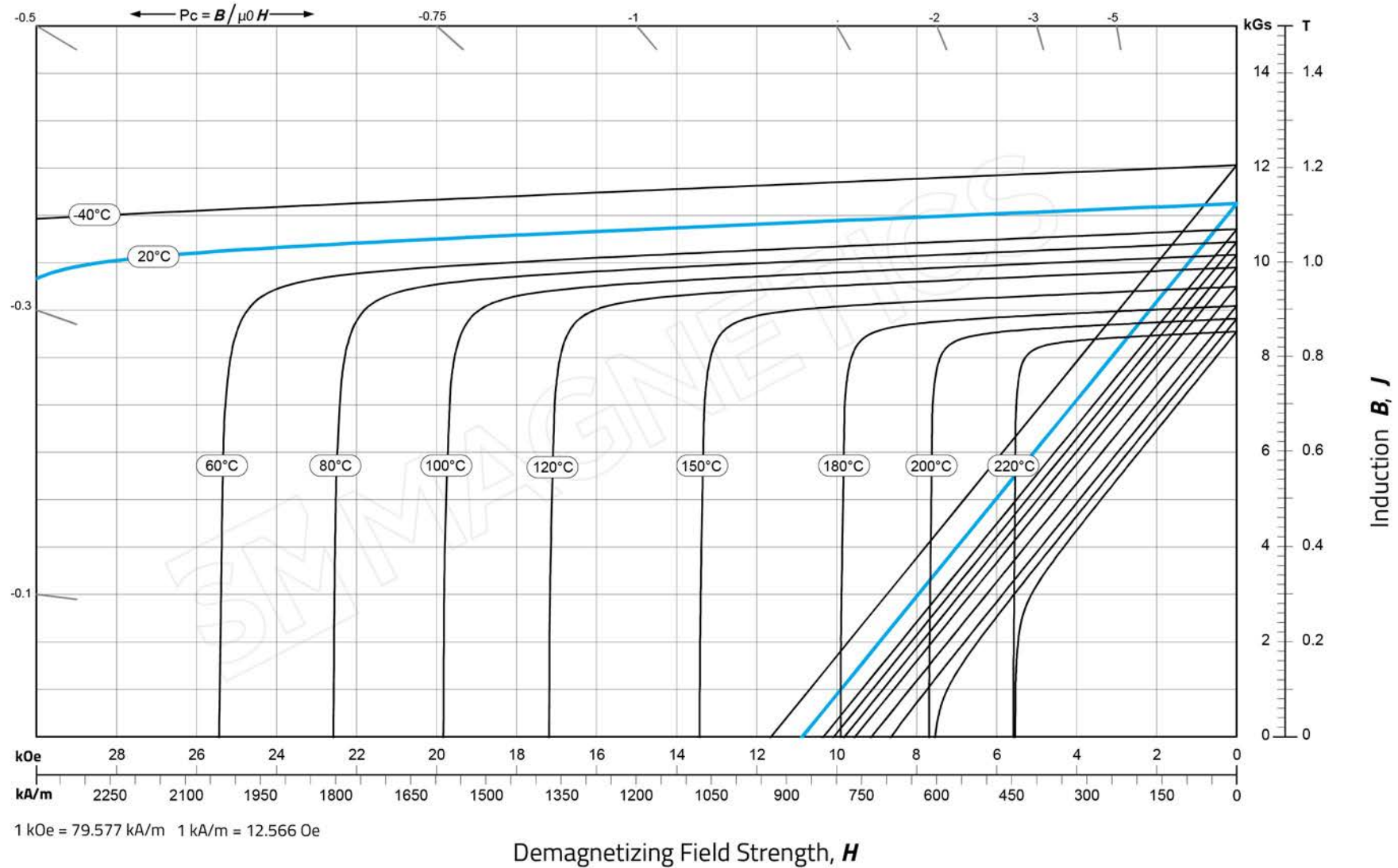
B_r (Remanence):
14.2 - 14.7 kGs
1.42 - 1.47 T

H_{cB} (Normal Coercivity):
 ≥ 13.0 kOe
 ≥ 1035 kA/m

H_d (Intrinsic Coercivity):
 ≥ 25.0 kOe
 ≥ 1990 kA/m

$(BH)_{max}$ (Max Energy Product):
49 - 53 MGOe
390 - 422 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N30EH

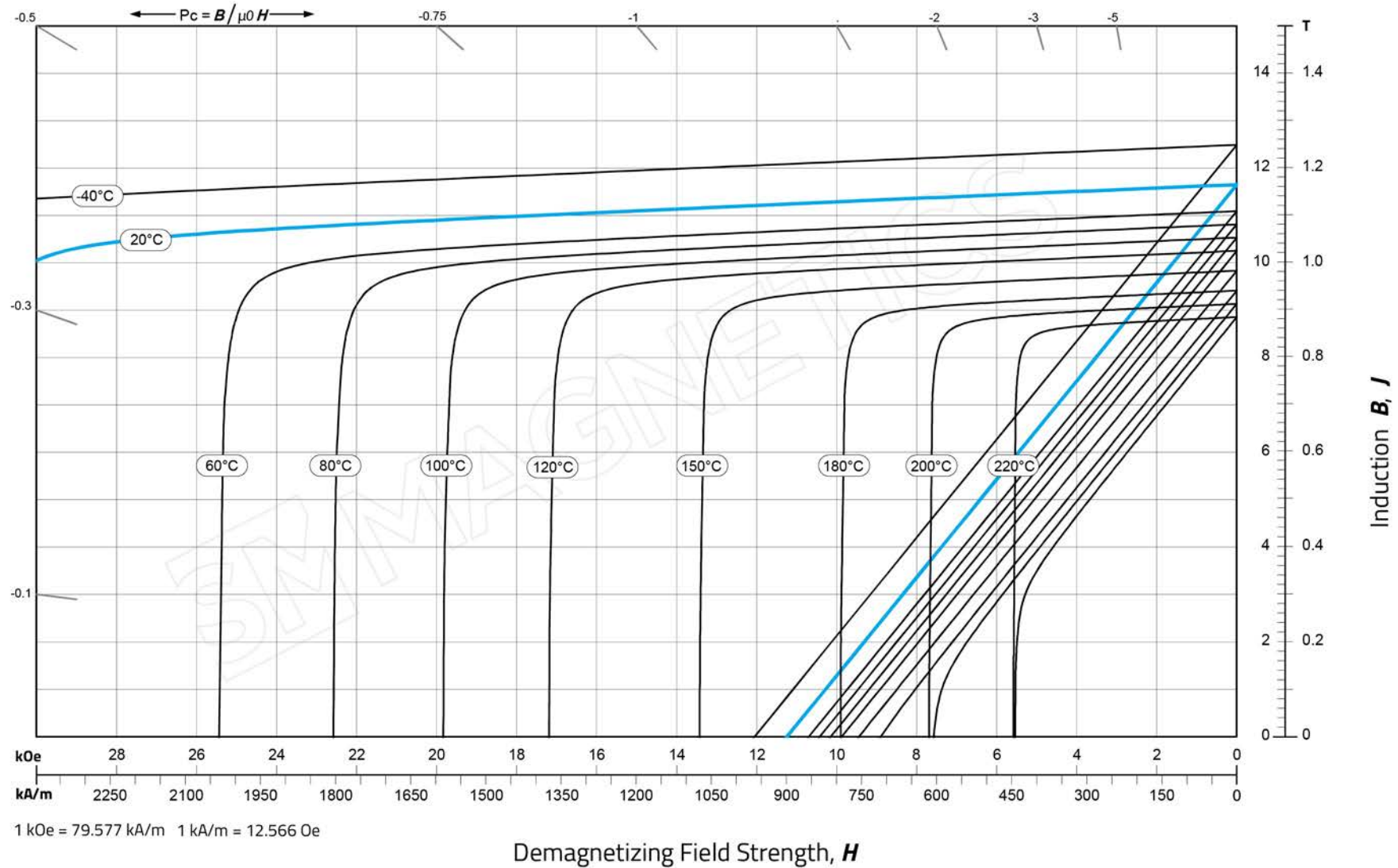
B_r (Remanence):
10.8 - 11.3 kGs
1.08 - 1.13 T

H_{cb} (Normal Coercivity):
 ≥ 10.2 kOe
 ≥ 812 kA/m

H_d (Intrinsic Coercivity):
 ≥ 30.0 kOe
 ≥ 2388 kA/m

$(BH)_{max}$ (Max Energy Product):
28 - 31 MGOe
223 - 247 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N33EH

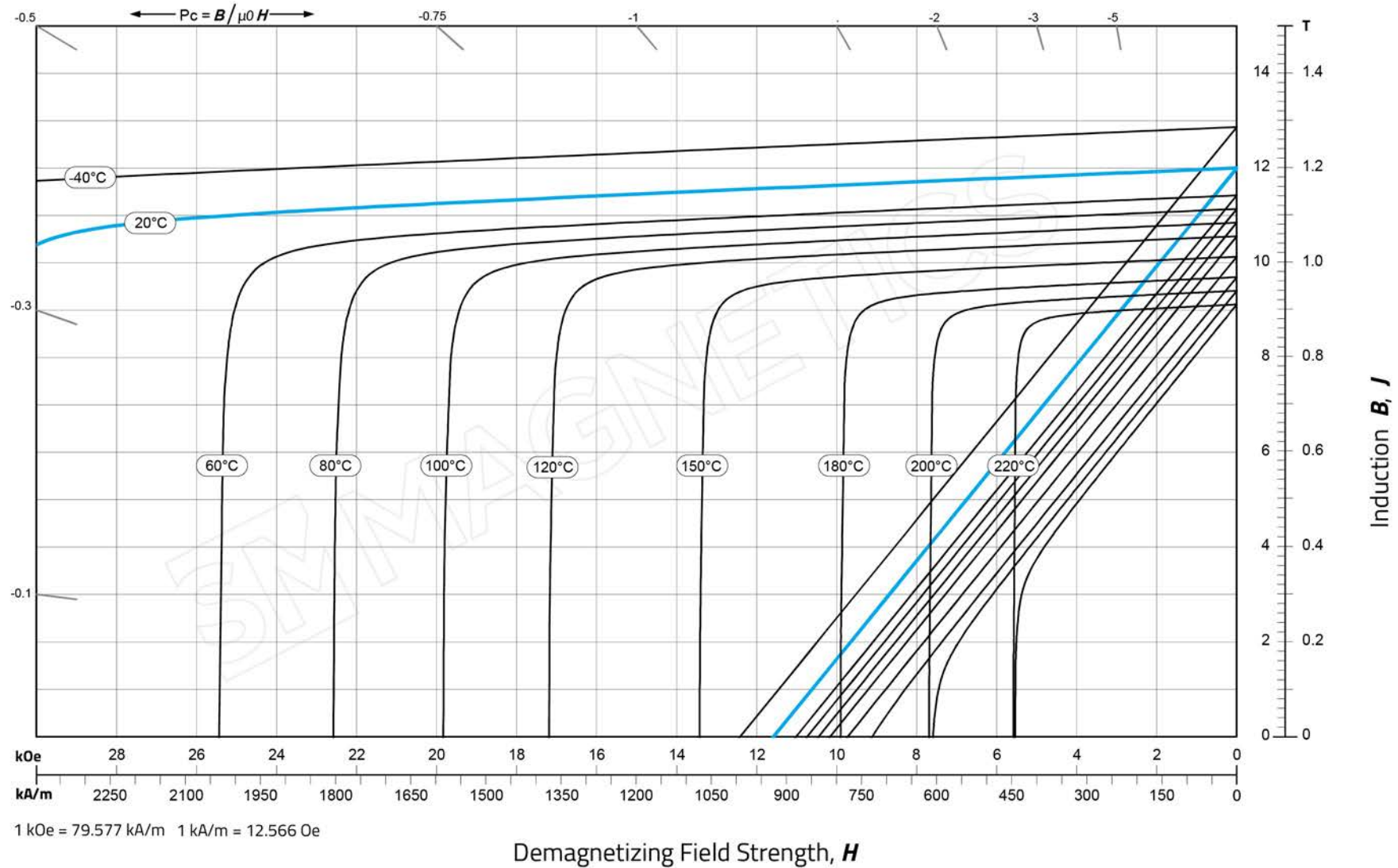
B_r (Remanence):
11.3 - 11.7 kGs
1.13 - 1.17 T

H_{cb} (Normal Coercivity):
 ≥ 10.3 kOe
 ≥ 820 kA/m

H_d (Intrinsic Coercivity):
 ≥ 30.0 kOe
 ≥ 2388 kA/m

$(BH)_{max}$ (Max Energy Product):
31 - 34 MGOe
248 - 272 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N35EH

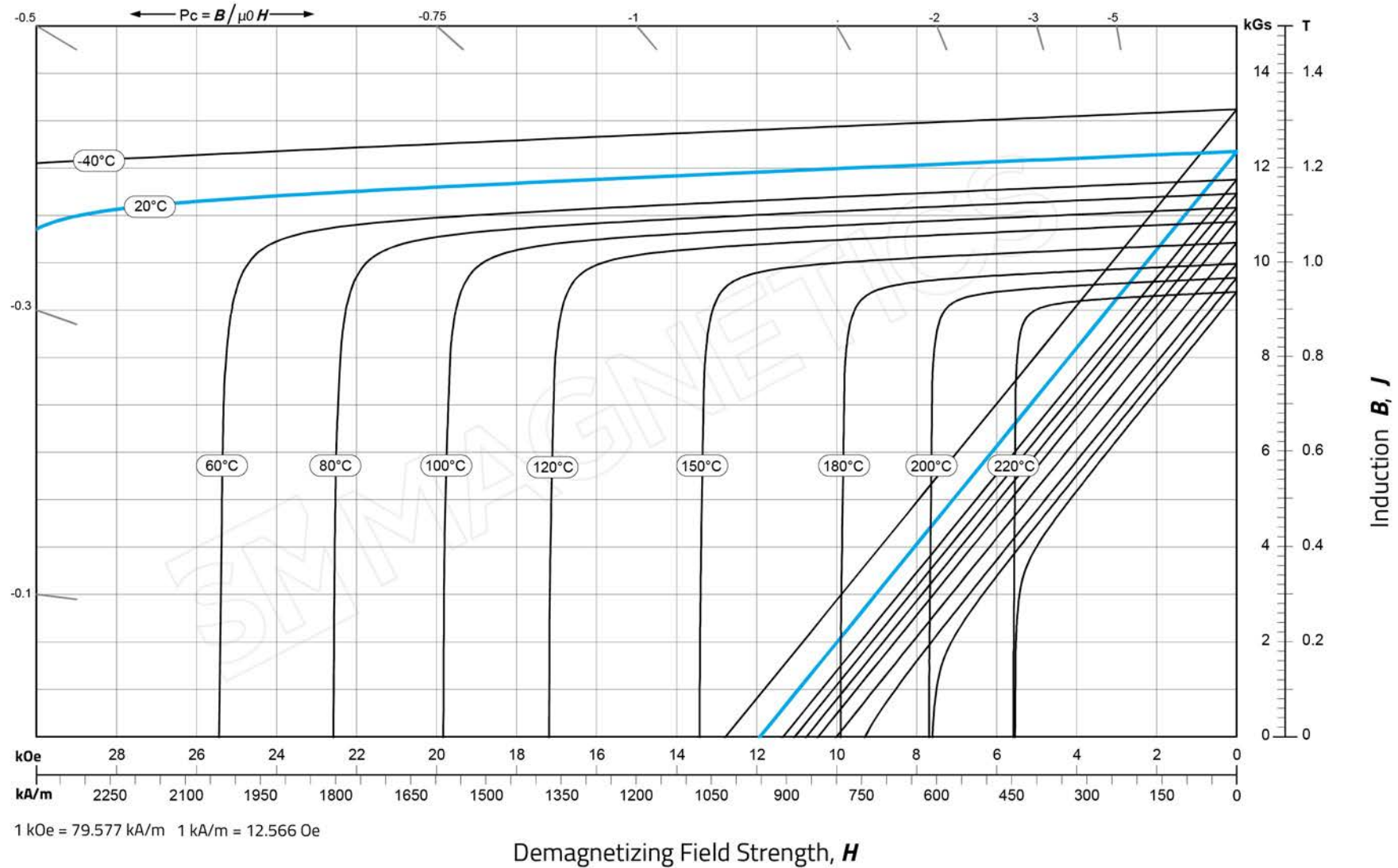
B_r (Remanence):
11.7 - 12.2 kGs
1.17 - 1.22 T

H_{cb} (Normal Coercivity):
 ≥ 10.5 kOe
 ≥ 836 kA/m

H_d (Intrinsic Coercivity):
 ≥ 30.0 kOe
 ≥ 2388 kA/m

$(BH)_{max}$ (Max Energy Product):
33 - 36 MGOe
263 - 287 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N38EH

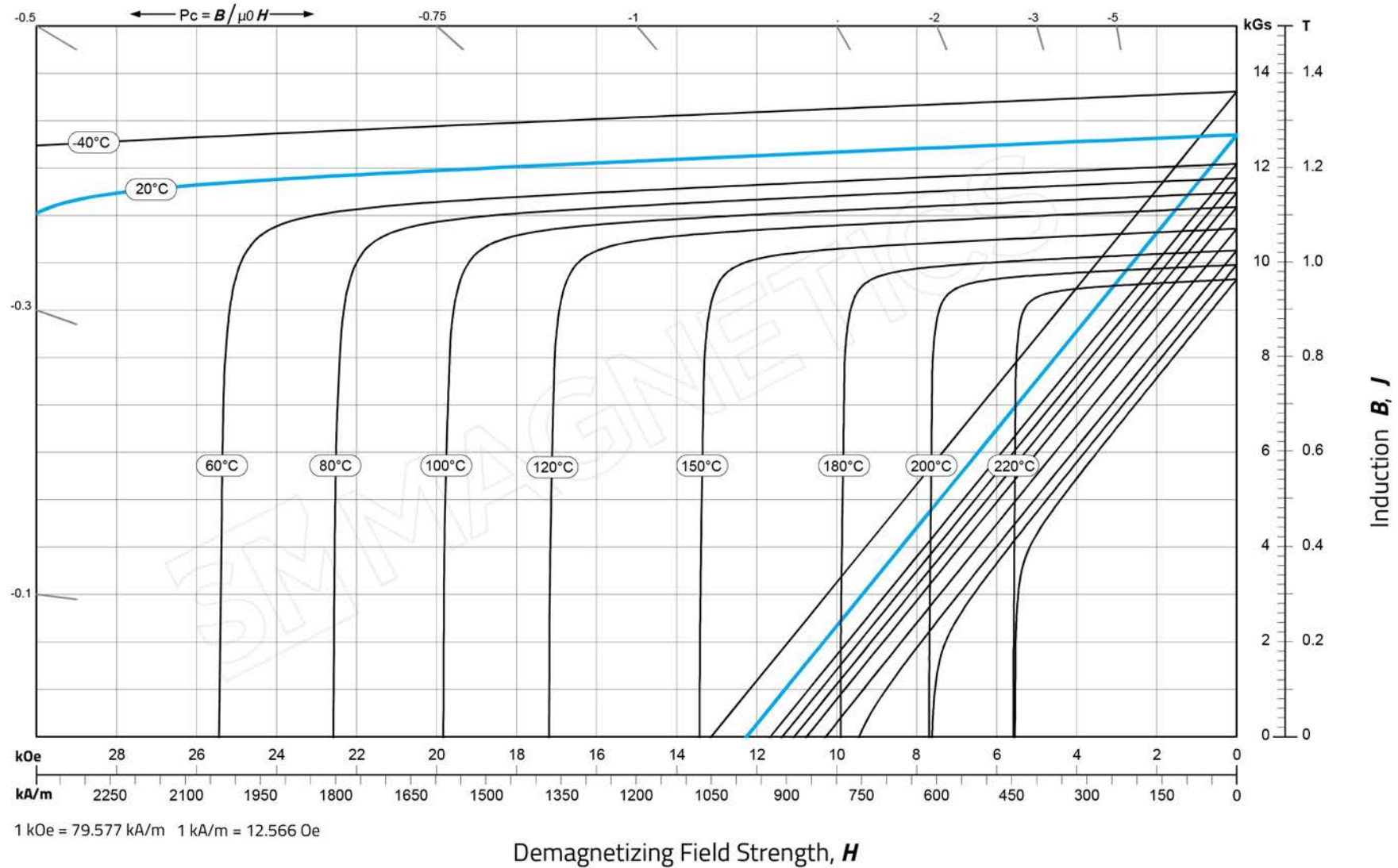
B_r (Remanence):
12.0 - 12.5 kGs
1.20 - 1.25 T

H_{cB} (Normal Coercivity):
 ≥ 11.3 kOe
 ≥ 899 kA/m

H_d (Intrinsic Coercivity):
 ≥ 30.0 kOe
 ≥ 2388 kA/m

$(BH)_{max}$ (Max Energy Product):
36 - 39 MGOe
287 - 310 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N40EH

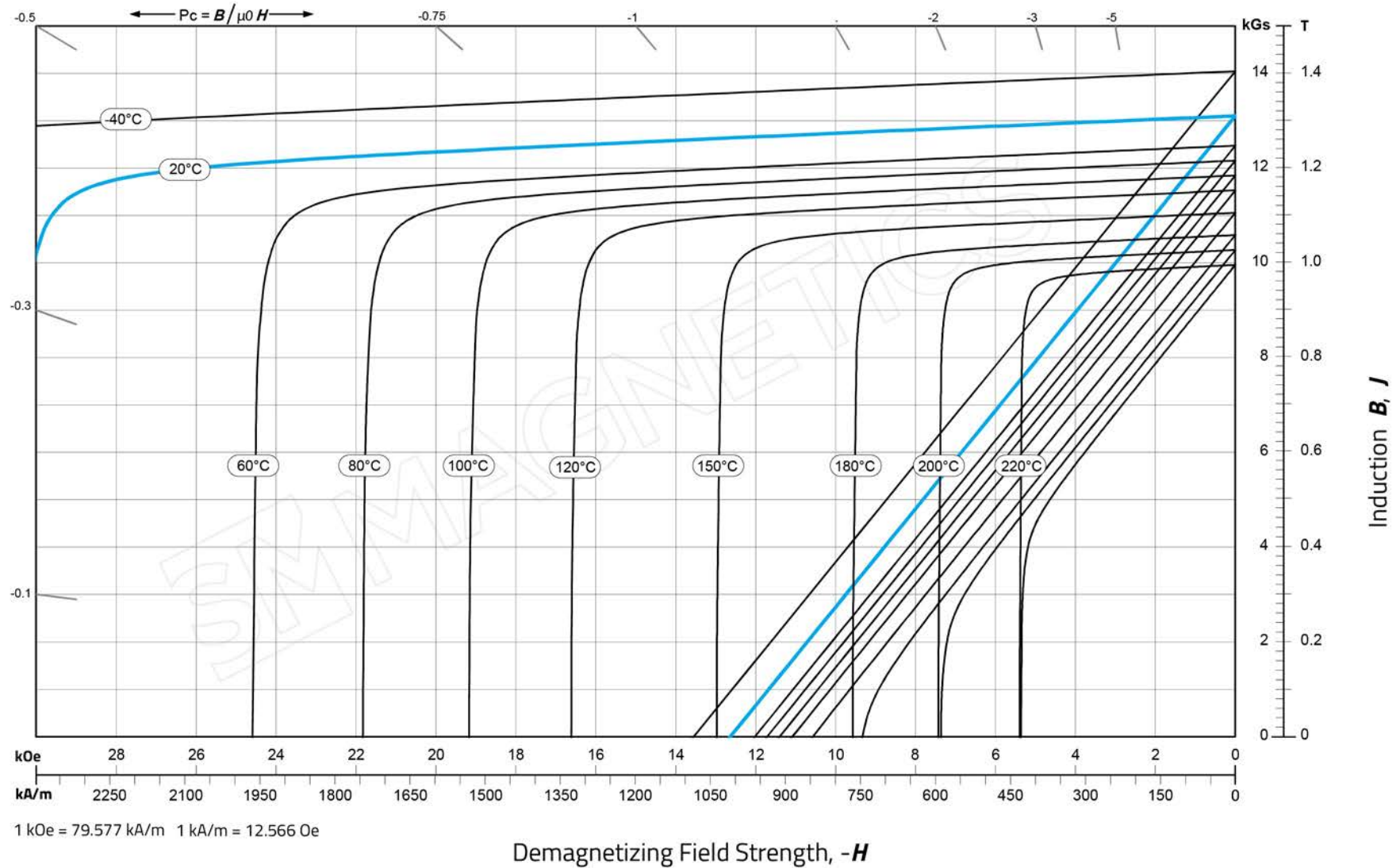
B_r (Remanence):
12.5 - 12.8 kGs
1.25 - 1.28 T

H_{cb} (Normal Coercivity):
 ≥ 11.5 kOe
 ≥ 915 kA/m

H_d (Intrinsic Coercivity):
 ≥ 30.0 kOe
 ≥ 2388 kA/m

$(BH)_{max}$ (Max Energy Product):
38 - 41 MGOe
302 - 326 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N42EH

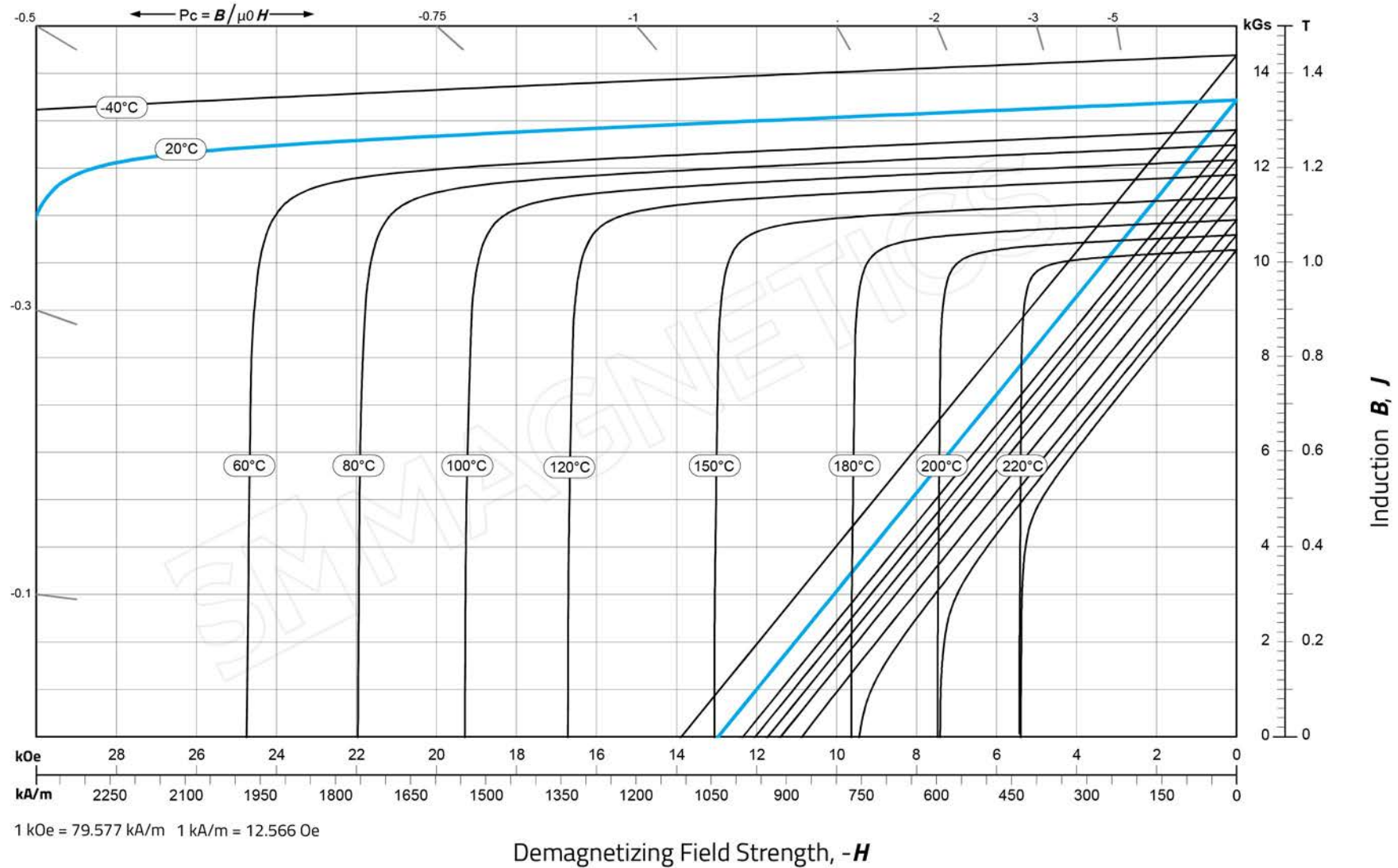
B_r (Remanence):
12.8 - 13.2 kGs
1.28 - 1.32 T

H_{cb} (Normal Coercivity):
 ≥ 12.2 kOe
 ≥ 970 kA/m

H_d (Intrinsic Coercivity):
 ≥ 30.0 kOe
 ≥ 2388 kA/m

$(BH)_{max}$ (Max Energy Product):
40 - 43 MGOe
318 - 342 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N45EH

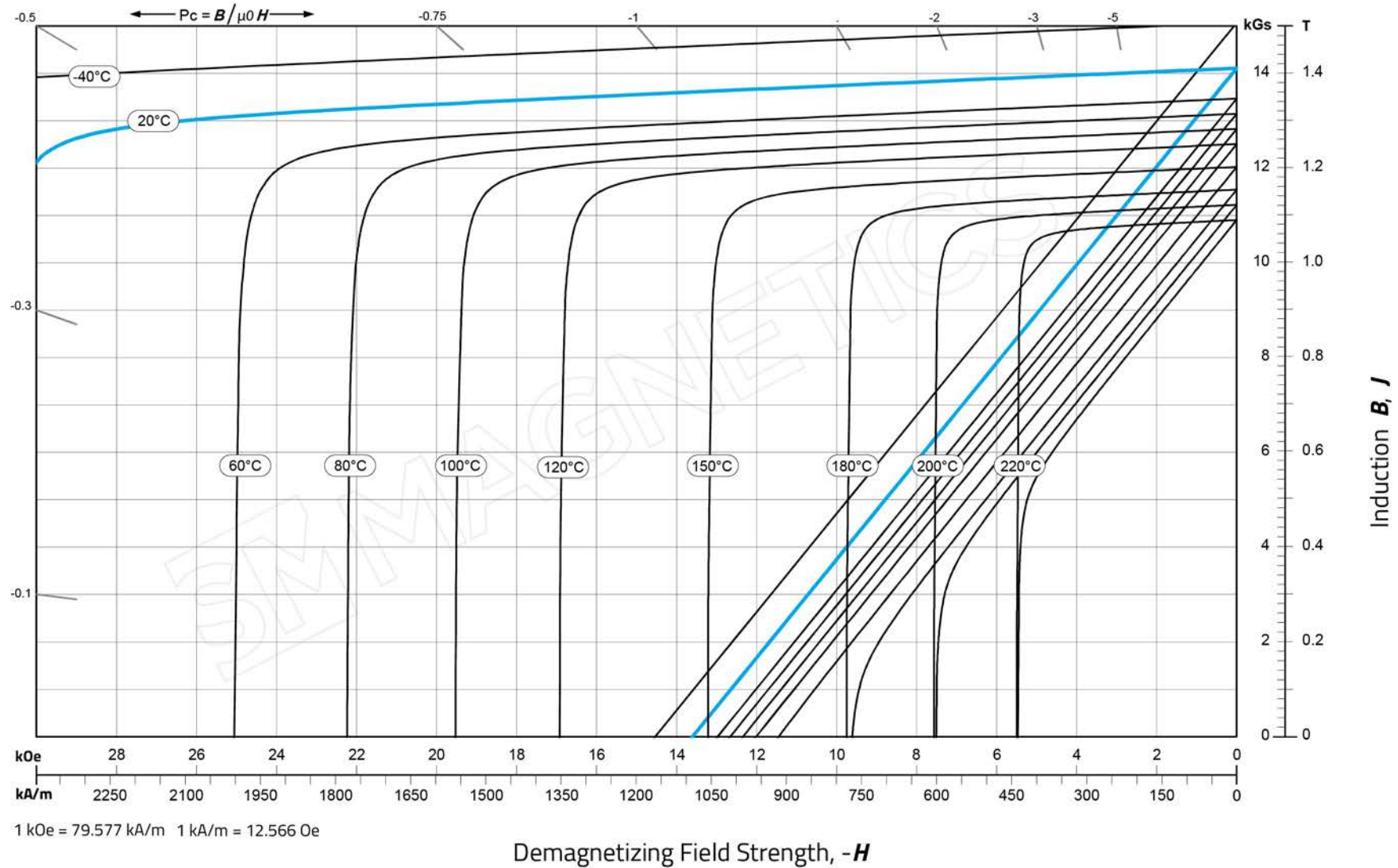
B_r (Remanence):
13.2 - 13.6 kGs
1.32 - 1.36 T

H_{cB} (Normal Coercivity):
 ≥ 12.6 kOe
 ≥ 1003 kA/m

H_d (Intrinsic Coercivity):
 ≥ 30.0 kOe
 ≥ 2388 kA/m

$(BH)_{max}$ (Max Energy Product):
43 - 46 MGOe
342 - 366 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N48EH

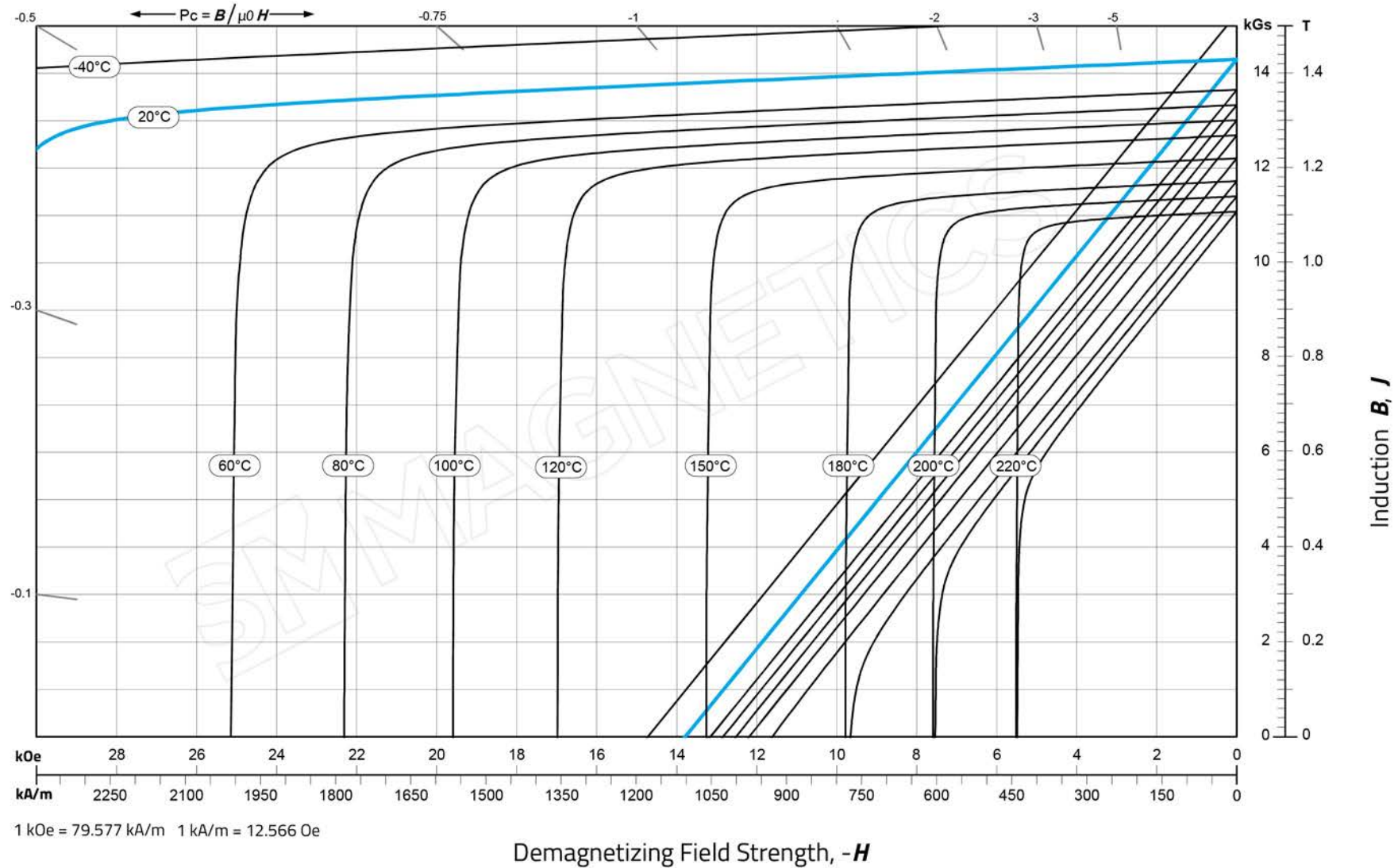
B_r (Remanence):
13.8 - 14.2 kGs
1.38 - 1.42 T

H_{cb} (Normal Coercivity):
 ≥ 12.9 kOe
 ≥ 1031 kA/m

H_d (Intrinsic Coercivity):
 ≥ 30.0 kOe
 ≥ 2388 kA/m

$(BH)_{max}$ (Max Energy Product):
46 - 49 MGOe
366 - 390 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N50EH

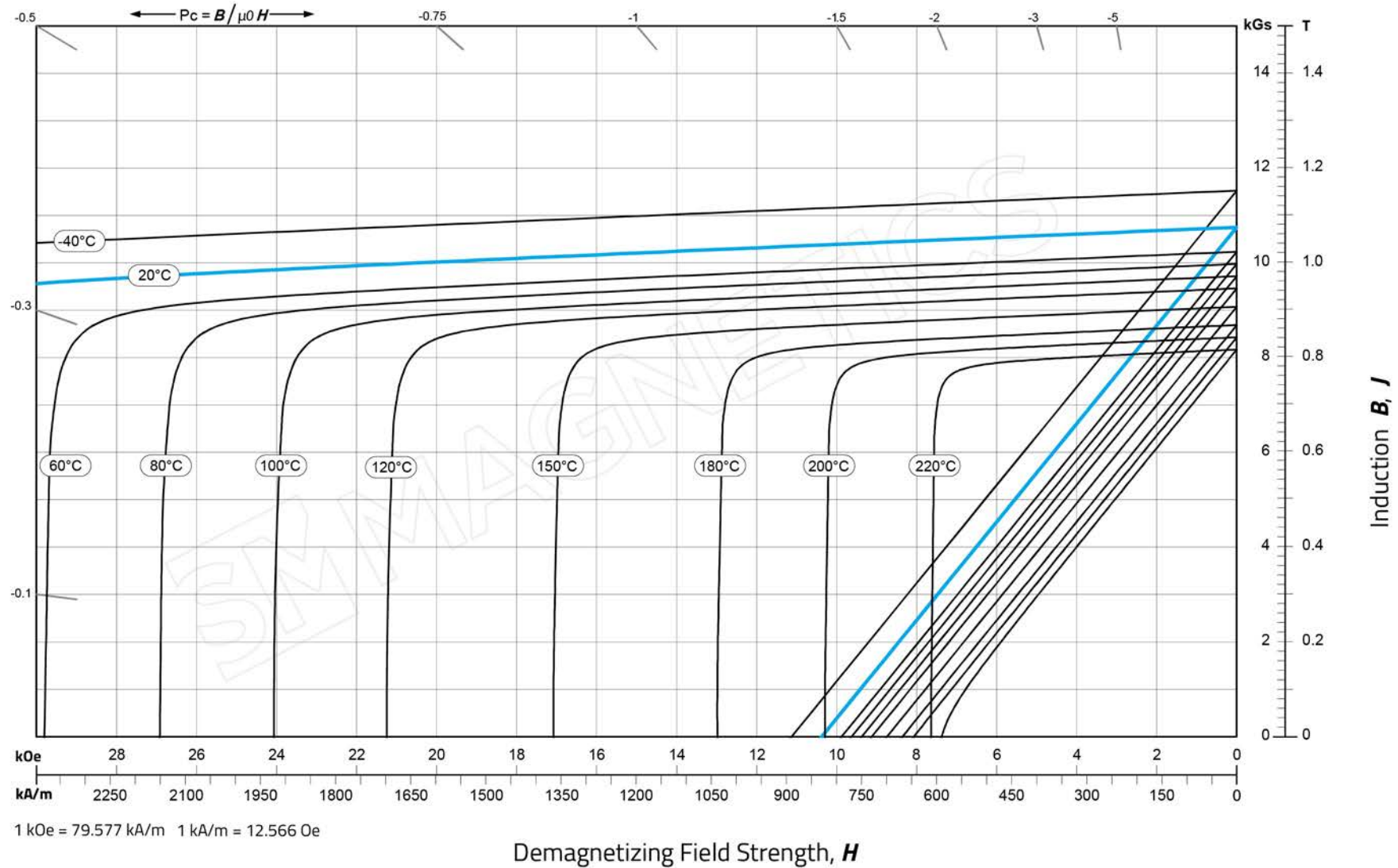
B_r (Remanence):
13.9 - 14.4 kGs
1.39 - 1.44 T

H_{cb} (Normal Coercivity):
 ≥ 13.0 kOe
 ≥ 1035 kA/m

H_d (Intrinsic Coercivity):
 ≥ 30.0 kOe
 ≥ 2388 kA/m

$(BH)_{max}$ (Max Energy Product):
47 - 51 MGOe
374 - 406 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N28AH

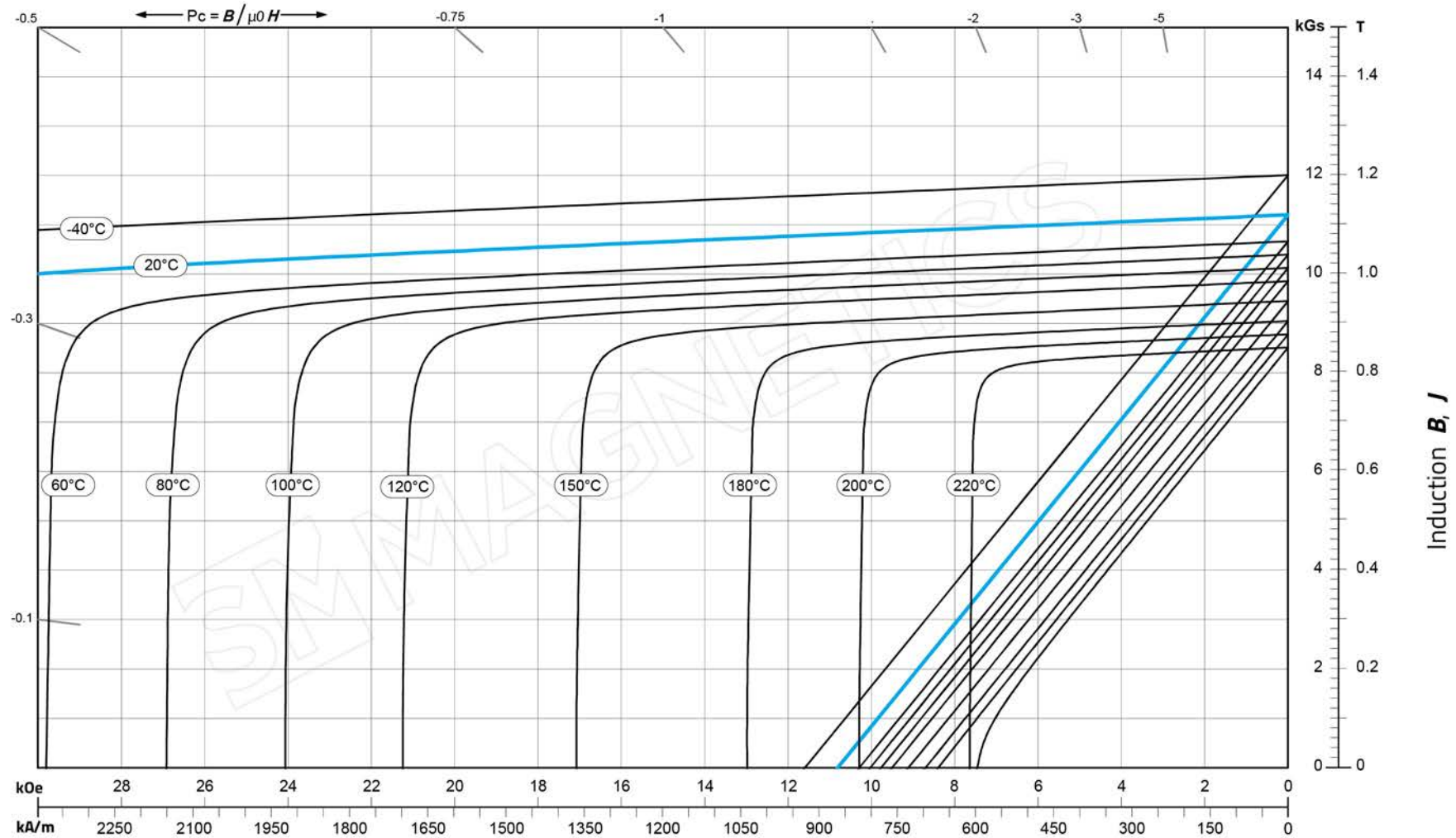
B_r (Remanence):
10.5 - 10.9 kGs
1.05 - 1.09 T

H_{cB} (Normal Coercivity):
≥ 9.8 kOe
≥ 780 kA/m

H_{di} (Intrinsic Coercivity):
≥ 34.0 kOe
≥ 2706 kA/m

$(BH)_{max}$ (Max Energy Product):
26 - 29 MGOe
207 - 230 kJ/m³

Demagnetization Curves for Sintered NdFeB



1 kOe = 79.577 kA/m 1 kA/m = 12.566 Oe

Demagnetizing Field Strength, H

Magnetic Properties (20°C):

N30AH

B_r (Remanence):

11.0 - 11.4 kGs
1.10 - 1.14 T

H_{cb} (Normal Coercivity):

≥ 10.2 kOe
≥ 812 kA/m

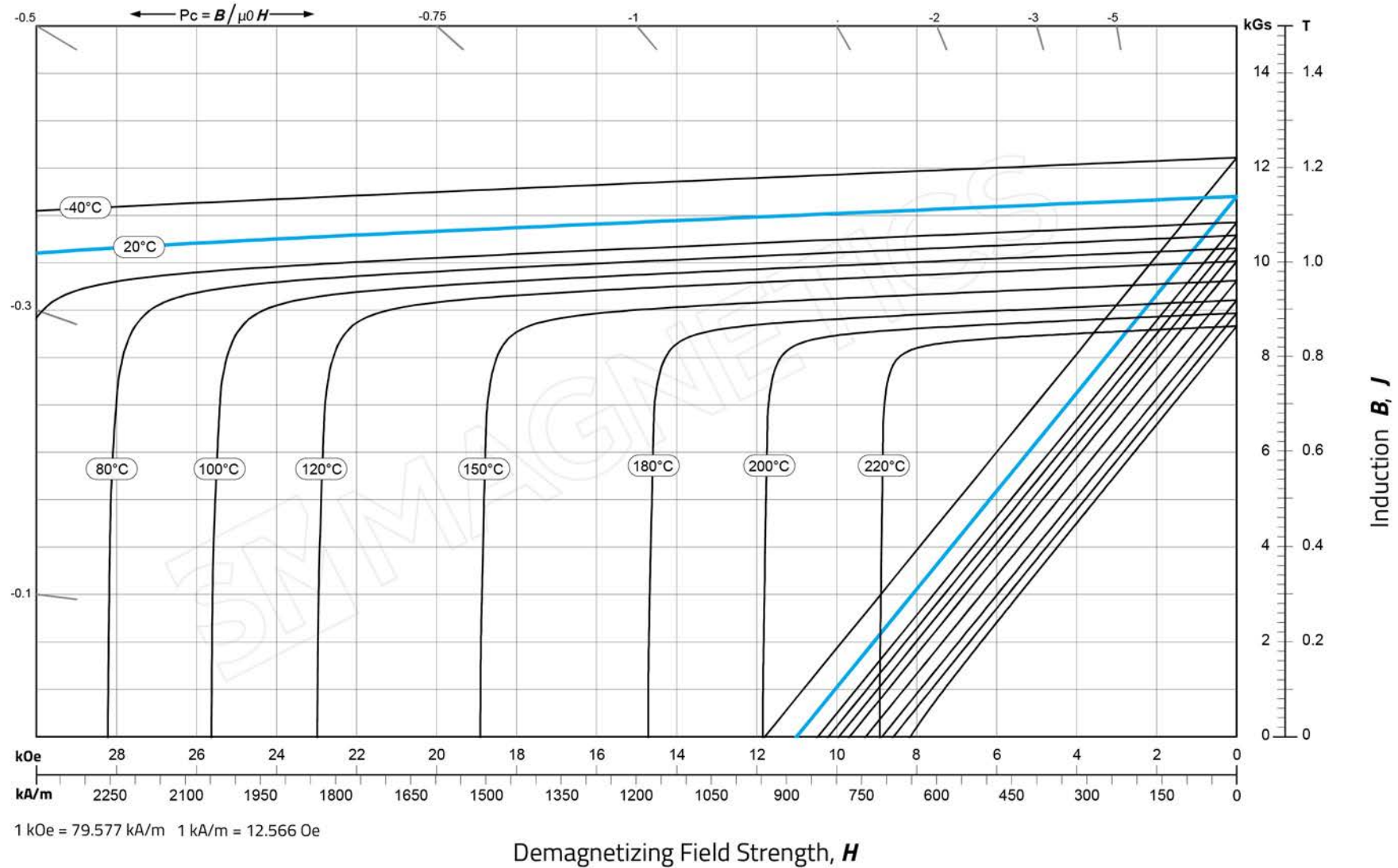
H_d (Intrinsic Coercivity):

≥ 34.0 kOe
≥ 2706 kA/m

$(BH)_{max}$ (Max Energy Product):

28 - 31 MGOe
223 - 247 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N33AH

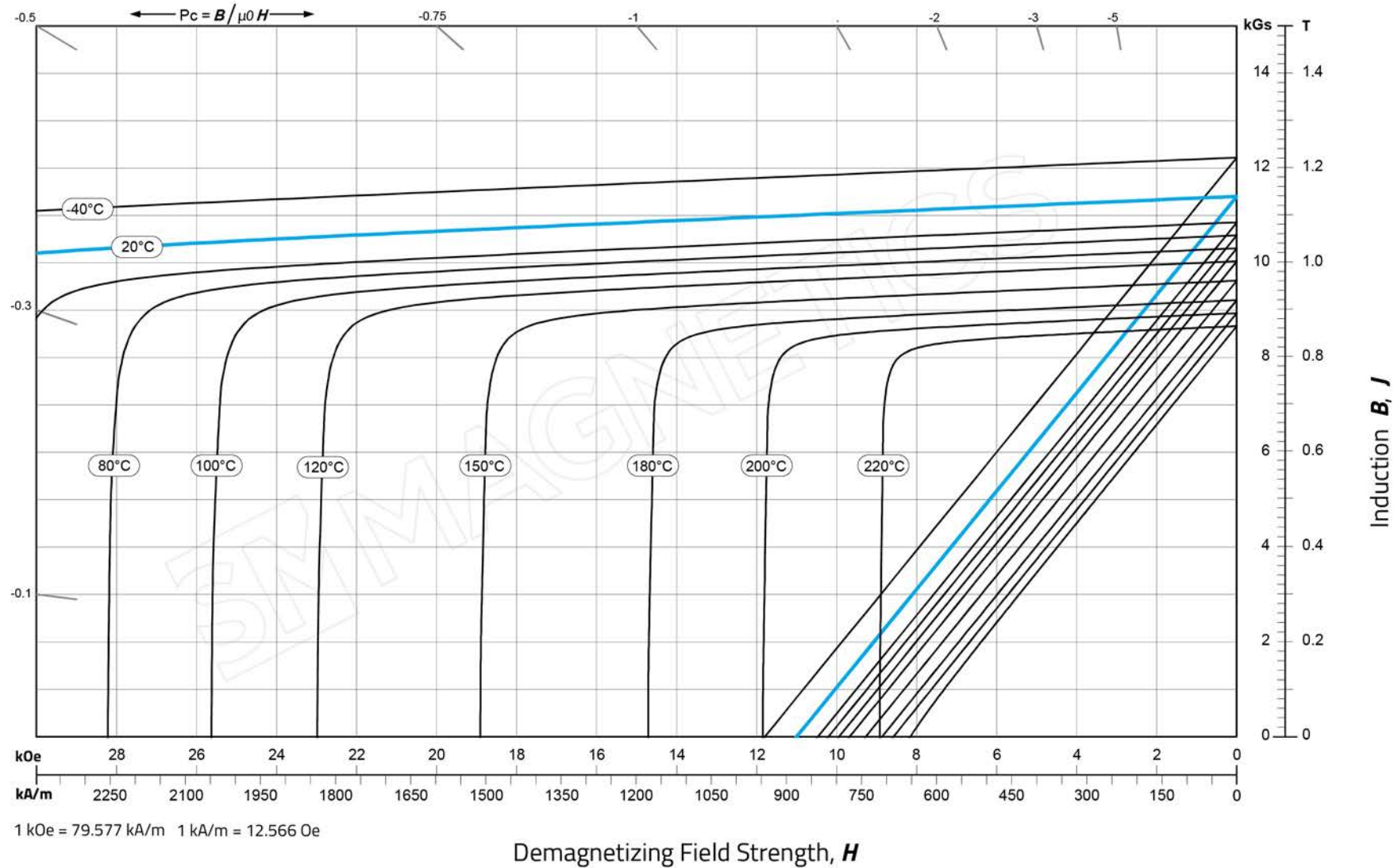
B_r (Remanence):
11.4 - 11.7 kGs
1.14 - 1.17 T

H_{cB} (Normal Coercivity):
 ≥ 10.2 kOe
 ≥ 812 kA/m

H_d (Intrinsic Coercivity):
 ≥ 34.0 kOe
 ≥ 2706 kA/m

$(BH)_{max}$ (Max Energy Product):
31 - 34 MGOe
247 - 271 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C):

N35AH

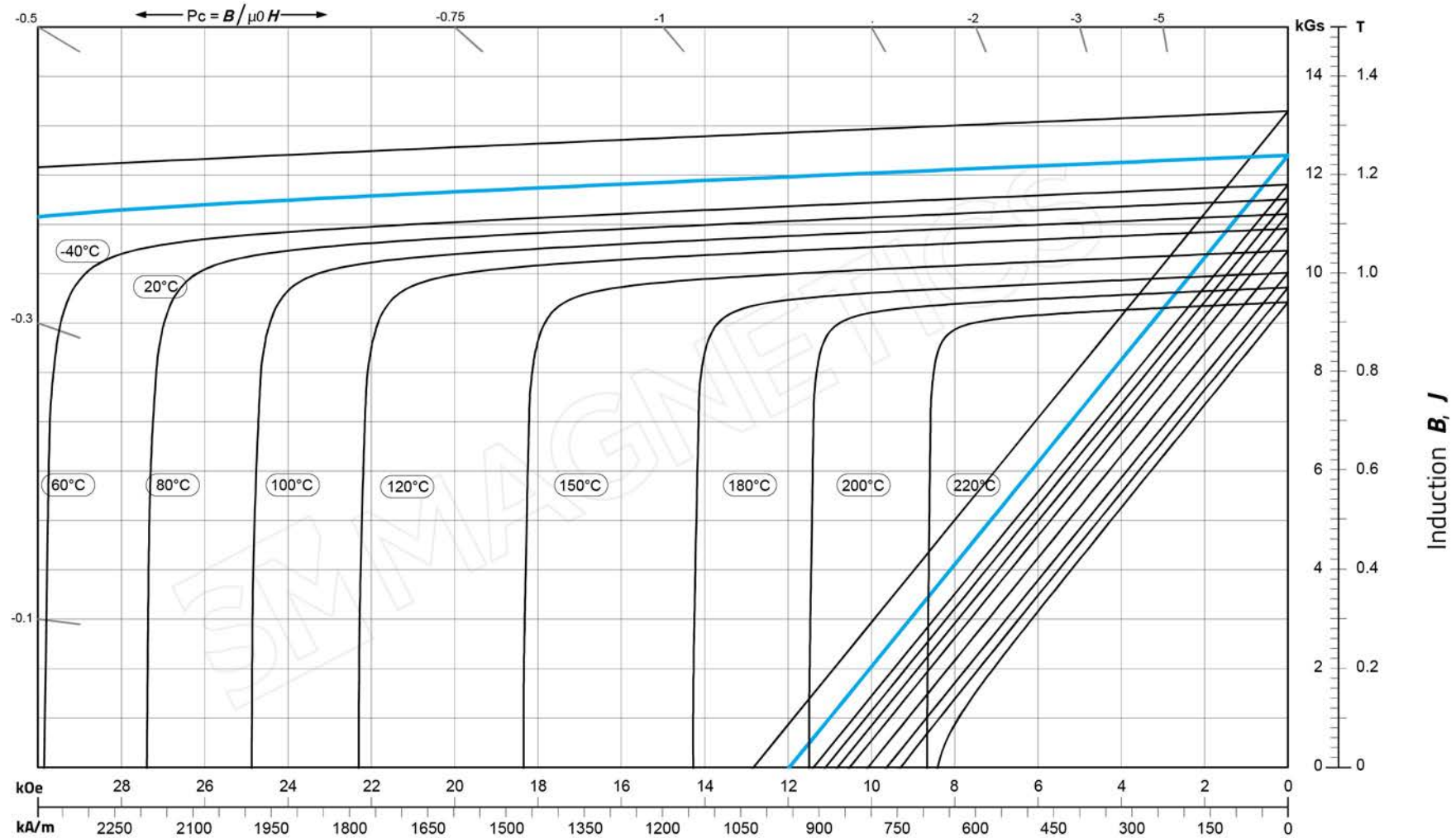
B_r (Remanence):
11.7 - 12.2 kGs
1.17 - 1.22 T

H_{cB} (Normal Coercivity):
 ≥ 11.1 kOe
 ≥ 883 kA/m

H_d (Intrinsic Coercivity):
 ≥ 34.0 kOe
 ≥ 2706 kA/m

$(BH)_{max}$ (Max Energy Product):
33 - 36 MGOe
263 - 287 kJ/m³

Demagnetization Curves for Sintered NdFeB



1 kOe = 79.577 kA/m 1 kA/m = 12.566 Oe

Demagnetizing Field Strength, H

Magnetic Properties (20°C):

N38AH

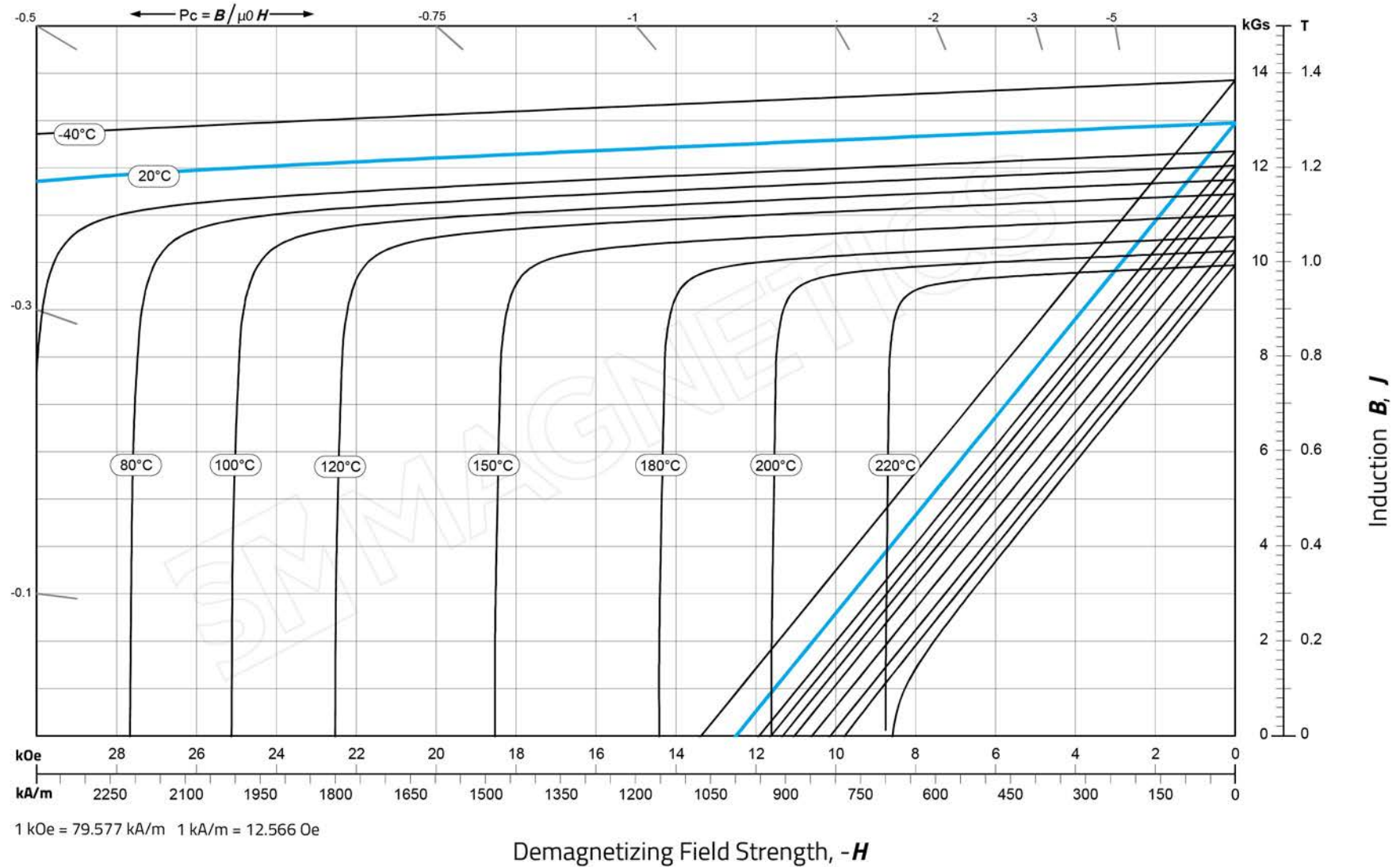
B_r (Remanence):
12.0 - 12.5 kGs
1.20 - 1.25 T

H_{cb} (Normal Coercivity):
 ≥ 11.6 kOe
 ≥ 923 kA/m

H_d (Intrinsic Coercivity):
 ≥ 34.0 kOe
 ≥ 2706 kA/m

$(BH)_{max}$ (Max Energy Product):
36 - 39 MGOe
287 - 310 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N40AH

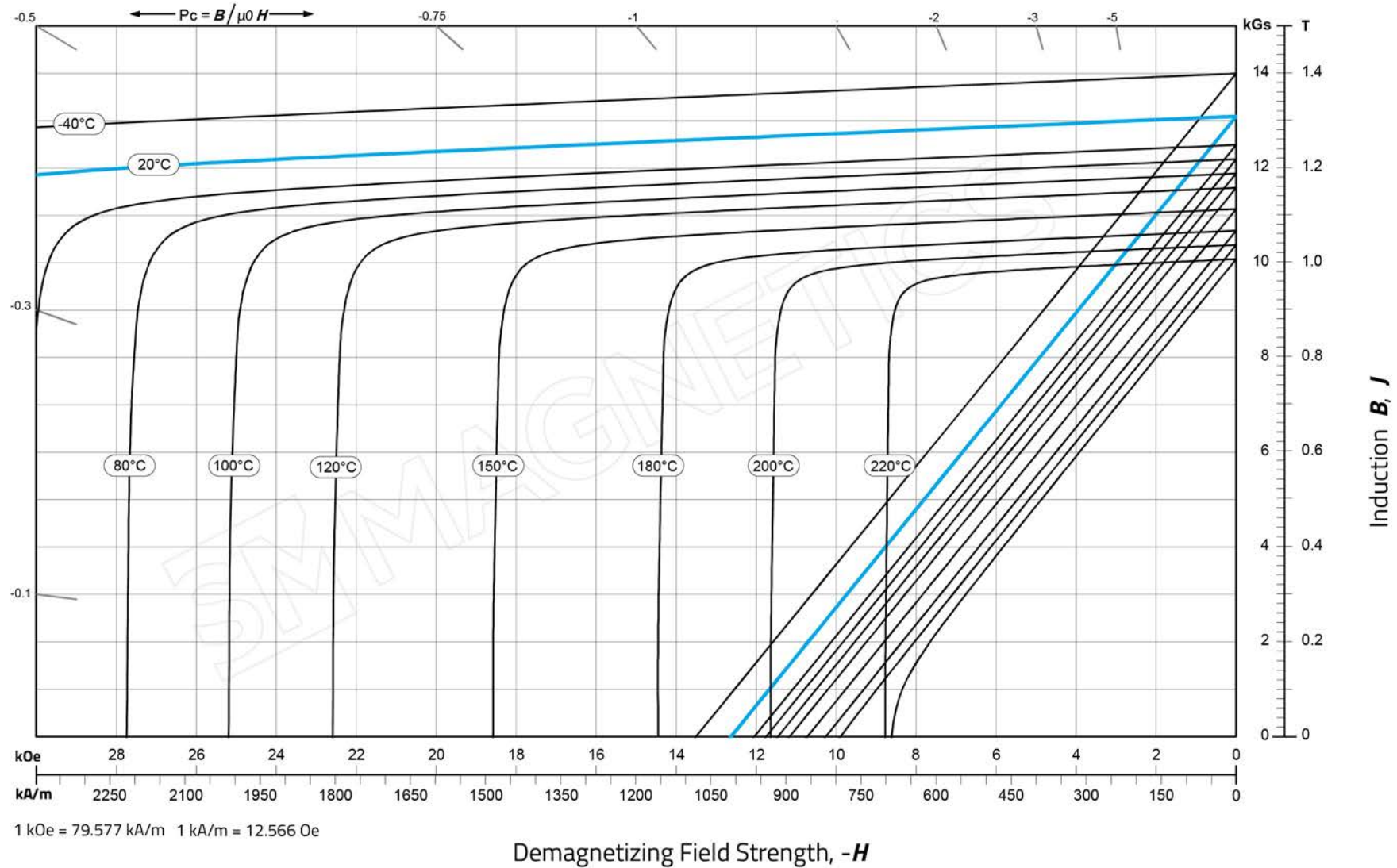
B_r (Remanence):
12.5 - 13.0 kGs
1.25 - 1.30 T

H_{cB} (Normal Coercivity):
 ≥ 11.6 kOe
 ≥ 923 kA/m

H_d (Intrinsic Coercivity):
 ≥ 34.0 kOe
 ≥ 2706 kA/m

$(BH)_{max}$ (Max Energy Product):
38 - 41 MGOe
302 - 326 kJ/m³

Demagnetization Curves for Sintered NdFeB



Magnetic Properties (20°C) :

N42AH

B_r (Remanence):
12.8 - 13.2 kGs
1.28 - 1.32 T

H_{cb} (Normal Coercivity):
≥ 12.2 kOe
≥ 970 kA/m

H_d (Intrinsic Coercivity):
≥ 34.0 kOe
≥ 2706 kA/m

$(BH)_{max}$ (Max Energy Product):
40 - 43 MGOe
318 - 342 kJ/m³