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Typical Magnetic Properties for Sintered NdFeB Magnets

Grade	Remanence		Coercivity				Max Energy Product		Temperature Coefficient		Max Working Temperature
	B_r		H_{cB}		H_{cJ}		$(BH)_{max}$		a (Br)	β (HcJ)	T_wMax
	T	kGs	kA/m	kOe	kA/m	kOe	kJ/m³	MGOe	%/°C	%/°C	°C
N35	1.17-1.22	11.7-12.2	≥868	≥10.9	≥955	≥12	263-287	33-36	-0.12	-0.6	80
N38	1.22-1.26	12.2-12.6	≥899	≥11.3	≥955	≥12	287-310	36-39	-0.12	-0.6	80
N40	1.26-1.29	12.6-12.9	≥907	≥11.4	≥955	≥12	302-326	38-41	-0.12	-0.6	80
N42	1.29-1.33	12.9-13.3	≥915	≥11.5	≥955	≥12	318-342	40-43	-0.12	-0.6	80
N45	1.33-1.37	13.3-13.7	≥915	≥11.5	≥955	≥12	342-366	43-46	-0.12	-0.6	80
N48	1.37-1.40	13.7-14.0	≥876	≥11.0	≥955	≥12	358-390	45-49	-0.12	-0.6	80
N50	1.39-1.42	13.9-14.2	≥836	≥10.5	≥955	≥12	374-406	47-51	-0.12	-0.6	80
N52	1.42-1.45	14.2-14.5	≥836	≥10.5	≥955	≥12	382-414	48-52	-0.12	-0.6	80
N54	1.44-1.47	14.4-14.7	≥796	≥10.0	≥875	≥11	398-422	50-53	-0.12	-0.6	60
N56	1.46-1.50	14.6-15.0	≥796	≥10.0	≥875	≥11	406-438	51-55	-0.12	-0.6	60
N35M	1.17-1.22	11.7-12.2	≥868	≥10.9	≥1114	≥14	263-287	33-36	-0.11	-0.6	100
N38M	1.22-1.26	12.2-12.6	≥899	≥11.3	≥1114	≥14	287-310	36-39	-0.11	-0.6	100
N40M	1.26-1.29	12.6-12.9	≥923	≥11.6	≥1114	≥14	302-326	38-41	-0.11	-0.6	100
N42M	1.29-1.33	12.9-13.3	≥955	≥12.0	≥1114	≥14	318-342	40-43	-0.11	-0.6	100
N45M	1.33-1.37	13.3-13.7	≥995	≥12.5	≥1114	≥14	342-366	43-46	-0.11	-0.6	100
N48M	1.37-1.40	13.7-14.0	≥1035	≥13.0	≥1114	≥14	358-390	45-49	-0.11	-0.6	100
N50M	1.39-1.42	13.9-14.2	≥1035	≥13.0	≥1114	≥14	374-406	47-51	-0.11	-0.6	100
N52M	1.42-1.45	14.2-14.5	≥1035	≥13.0	≥1114	≥14	382-414	48-52	-0.11	-0.6	100
N54M	1.44-1.47	14.4-14.7	≥1035	≥13.0	≥1114	≥14	398-422	50-53	-0.11	-0.6	100
N35H	1.17-1.22	11.7-12.2	≥868	≥10.9	≥1353	≥17	263-287	33-36	-0.11	-0.58	120
N38H	1.22-1.26	12.2-12.6	≥899	≥11.3	≥1353	≥17	287-310	36-39	-0.11	-0.58	120
N40H	1.26-1.29	12.6-12.9	≥923	≥11.6	≥1353	≥17	302-326	38-41	-0.11	-0.58	120
N42H	1.29-1.33	12.9-13.3	≥955	≥12.0	≥1353	≥17	318-342	40-43	-0.11	-0.58	120
N45H	1.33-1.37	13.3-13.7	≥971	≥12.2	≥1353	≥17	342-366	43-46	-0.11	-0.58	120
N48H	1.37-1.40	13.7-14.0	≥995	≥12.5	≥1353	≥17	358-390	45-49	-0.11	-0.58	120
N50H	1.39-1.42	13.9-14.2	≥1035	≥13.0	≥1353	≥17	374-406	47-51	-0.11	-0.58	120
N52H	1.42-1.45	14.2-14.5	≥1035	≥13.3	≥1353	≥17	382-414	48-52	-0.11	-0.58	120
N54H	1.44-1.47	14.4-14.7	≥1035	≥13.5	≥1353	≥17	398-422	50-53	-0.11	-0.58	120
N35SH	1.17-1.22	11.7-12.2	≥876	≥11.0	≥1592	≥20	263-287	33-36	-0.11	-0.55	150
N38SH	1.22-1.26	12.2-12.6	≥907	≥11.4	≥1592	≥20	287-310	36-39	-0.11	-0.55	150
N40SH	1.26-1.29	12.6-12.9	≥939	≥11.8	≥1592	≥20	302-326	38-41	-0.11	-0.55	150
N42SH	1.29-1.33	12.9-13.3	≥955	≥12.0	≥1592	≥20	318-342	40-43	-0.11	-0.55	150
N45SH	1.33-1.37	13.3-13.7	≥995	≥12.5	≥1592	≥20	342-366	43-46	-0.11	-0.55	150
N48SH	1.37-1.40	13.7-14.0	≥995	≥12.5	≥1592	≥20	358-390	45-49	-0.11	-0.55	150
N50SH	1.39-1.42	13.9-14.2	≥1035	≥13.0	≥1592	≥20	374-406	47-51	-0.11	-0.55	150
N52SH	1.42-1.45	14.2-14.5	≥1035	≥13.3	≥1512	≥19	382-414	48-52	-0.11	-0.55	150
N54SH	1.44-1.47	14.4-14.7	≥1035	≥13.5	≥1592	≥20	398-422	50-53	-0.11	-0.55	150
N35UH	1.17-1.22	11.7-12.2	≥860	≥10.8	≥1990	≥25	263-287	33-36	-0.1	-0.5	180
N38UH	1.22-1.26	12.2-12.6	≥876	≥11.0	≥1990	≥25	287-310	36-39	-0.1	-0.5	180
N40UH	1.26-1.29	12.6-12.9	≥915	≥11.5	≥1990	≥25	302-326	38-41	-0.1	-0.5	180
N42UH	1.29-1.33	12.9-13.3	≥955	≥12.0	≥1990	≥25	318-342	40-43	-0.1	-0.5	180
N45UH	1.33-1.37	13.3-13.7	≥995	≥12.5	≥1990	≥25	342-366	43-46	-0.1	-0.5	180
N48UH	1.37-1.40	13.7-14.0	≥995	≥12.5	≥1910	≥24	358-390	45-49	-0.1	-0.5	180
N50UH	1.39-1.42	13.9-14.2	≥1035	≥13.0	≥1990	≥25	374-406	47-51	-0.1	-0.5	180
N52UH	1.42-1.45	14.2-14.5	≥1058	≥13.3	≥1990	≥25	382-414	48-52	-0.1	-0.5	180
N35EH	1.17-1.22	11.7-12.2	≥860	≥10.8	≥2388	≥30	263-287	33-36	-0.1	-0.5	200
N38EH	1.22-1.26	12.2-12.6	≥876	≥11.0	≥2388	≥30	287-310	36-39	-0.1	-0.5	200
N40EH	1.26-1.29	12.6-12.9	≥915	≥11.5	≥2388	≥30	302-326	38-41	-0.1	-0.5	200
N42EH	1.29-1.33	12.9-13.3	≥955	≥12.0	≥2388	≥30	318-342	40-43	-0.1	-0.5	200
N45EH	1.33-1.37	13.3-13.7	≥995	≥12.5	≥2308	≥29	342-366	43-46	-0.1	-0.5	200
N48EH	1.37-1.40	13.7-14.0	≥995	≥12.5	≥2388	≥30	358-390	45-49	-0.1	-0.5	200
N50EH	1.39-1.42	13.9-14.2	≥1035	≥13.0	≥2388	≥29	374-406	47-51	-0.1	-0.5	200
N35AH	1.17-1.22	11.7-12.2	≥860	≥10.8	≥2786	≥35	263-287	33-36	-0.1	-0.5	220
N38AH	1.22-1.26	12.2-12.6	≥876	≥11.0	≥2786	≥35	287-310	36-39	-0.1	-0.5	220
N40AH	1.26-1.29	12.6-12.9	≥915	≥11.5	≥2706	≥34	302-326	38-41	-0.1	-0.5	220
N42AH	1.29-1.33	12.9-13.3	≥955	≥12.0	≥2786	≥35	318-342	40-43	-0.1	-0.5	220

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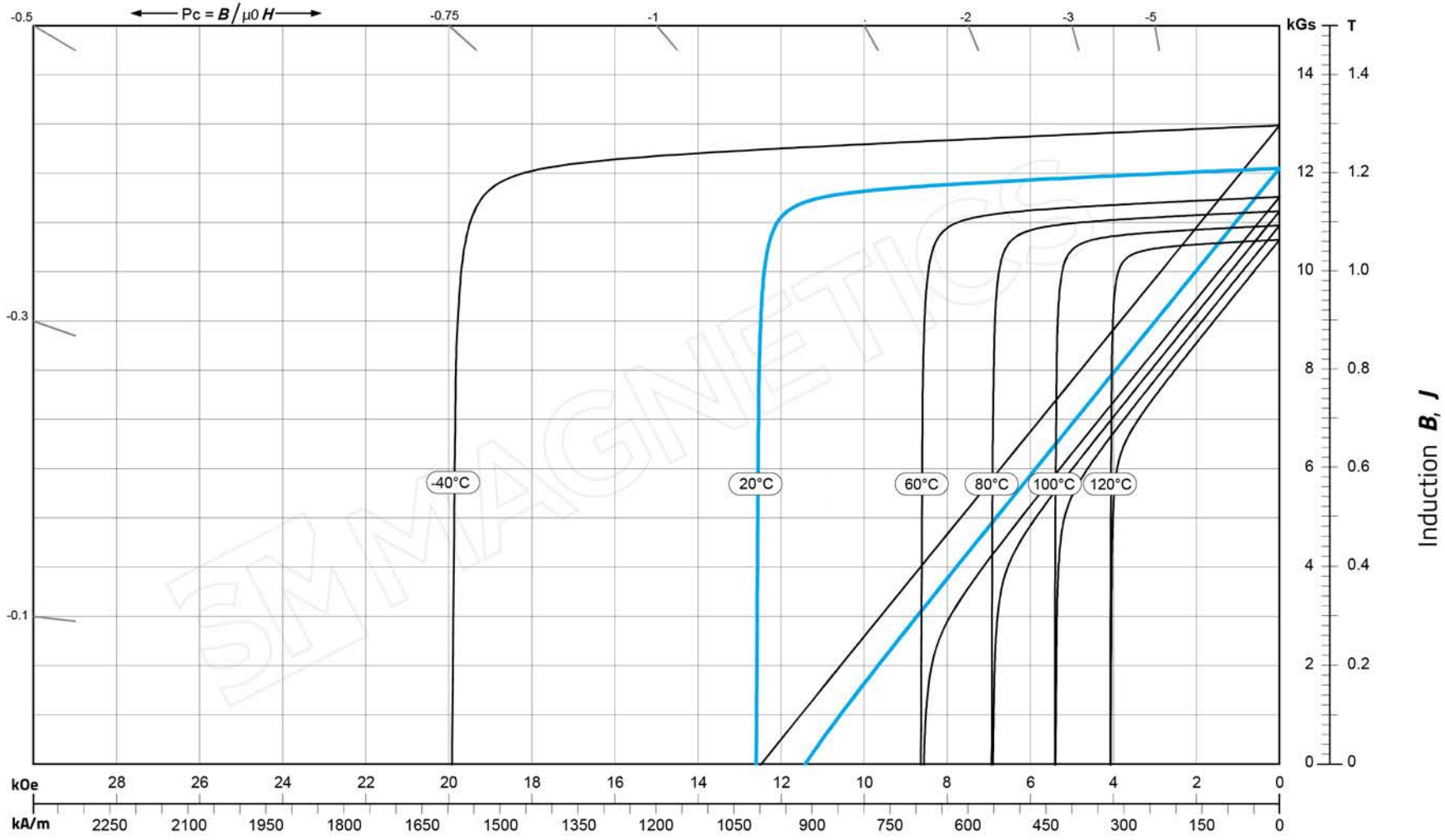
Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

Magnetic Properties (20℃) :

N35

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
11.7 - 12.2 kGs	≥ 10.8 kOe	≥ 12.0 kOe	33 - 36 MGOe
1.17 - 1.22 T	≥ 860 kA/m	≥ 955 kA/m	263 - 287 kJ/m³

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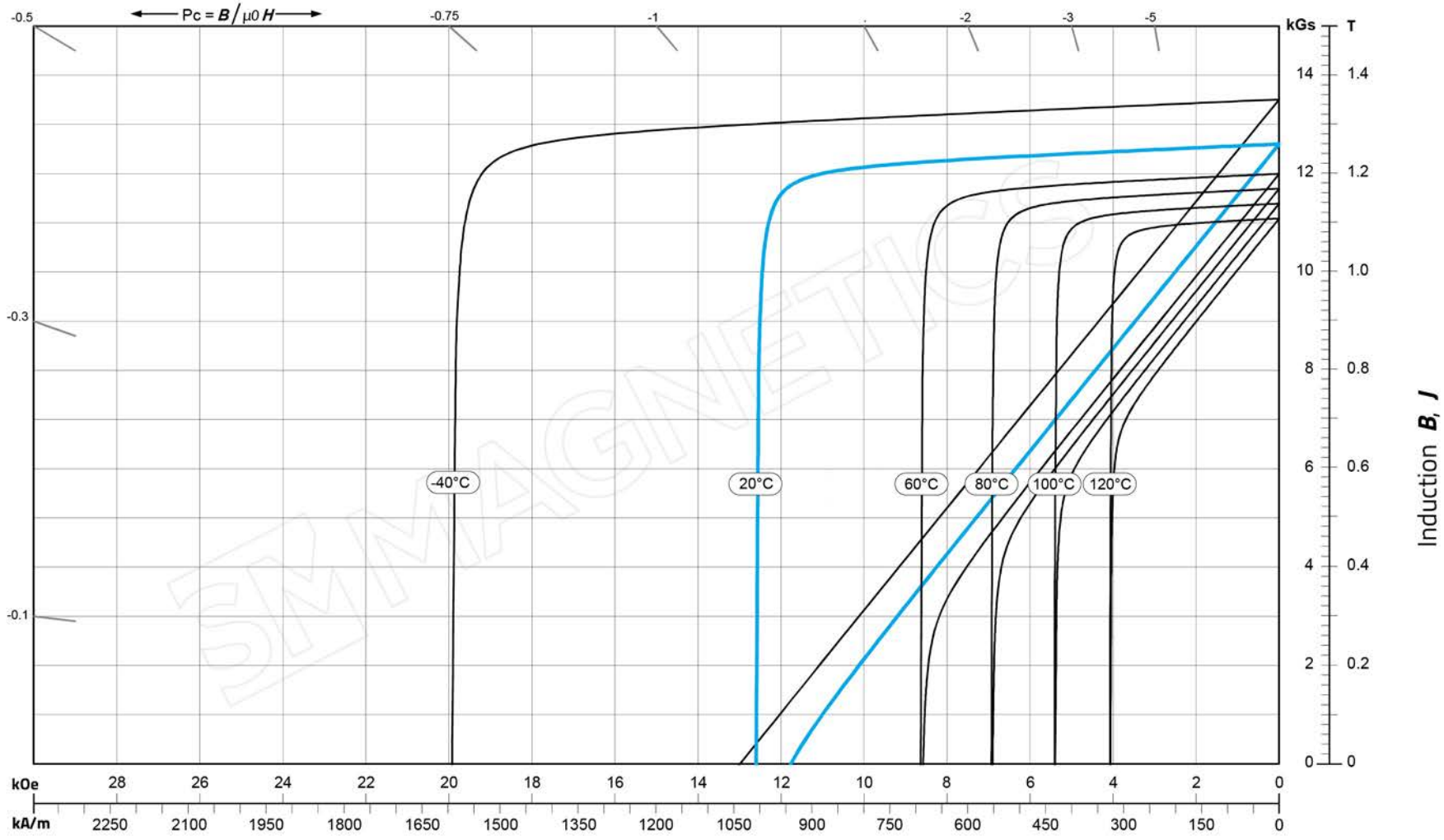
Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

Magnetic Properties (20℃) :

N38

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
12.2 - 12.5 kGs	≥ 11.2 kOe	≥ 12.0 kOe	36 - 39 MGOe
1.22 - 1.25 T	≥ 860 kA/m	≥ 955 kA/m	287 - 310 kJ/m³

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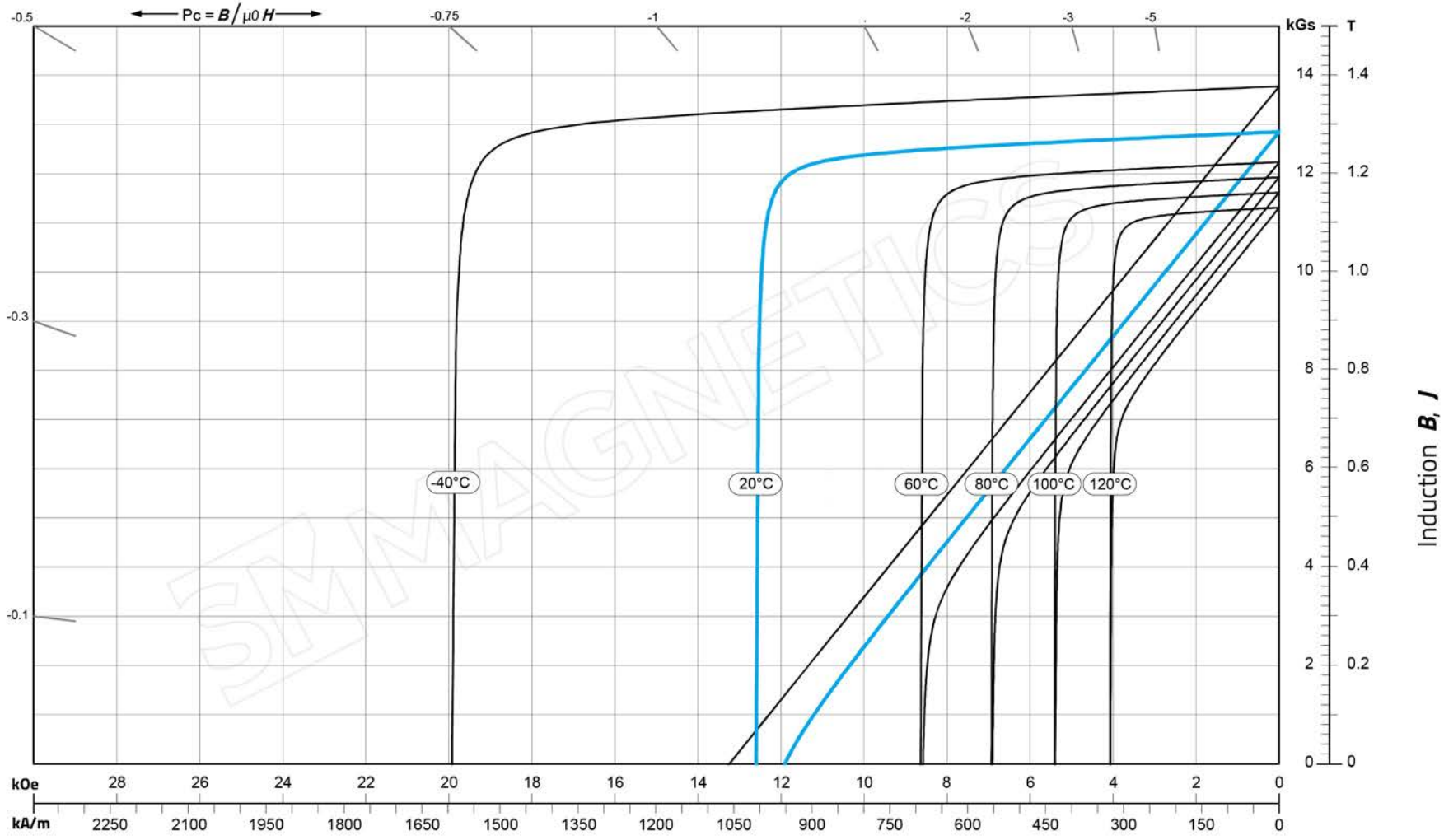
Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

Magnetic Properties (20℃) :

N40

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
12.5 - 12.8 kGs	≥ 11.5 kOe	≥ 12.0 kOe	38 - 41 MGOe
1.25 - 1.28 T	≥ 860 kA/m	≥ 955 kA/m	302 - 326 kJ/m³

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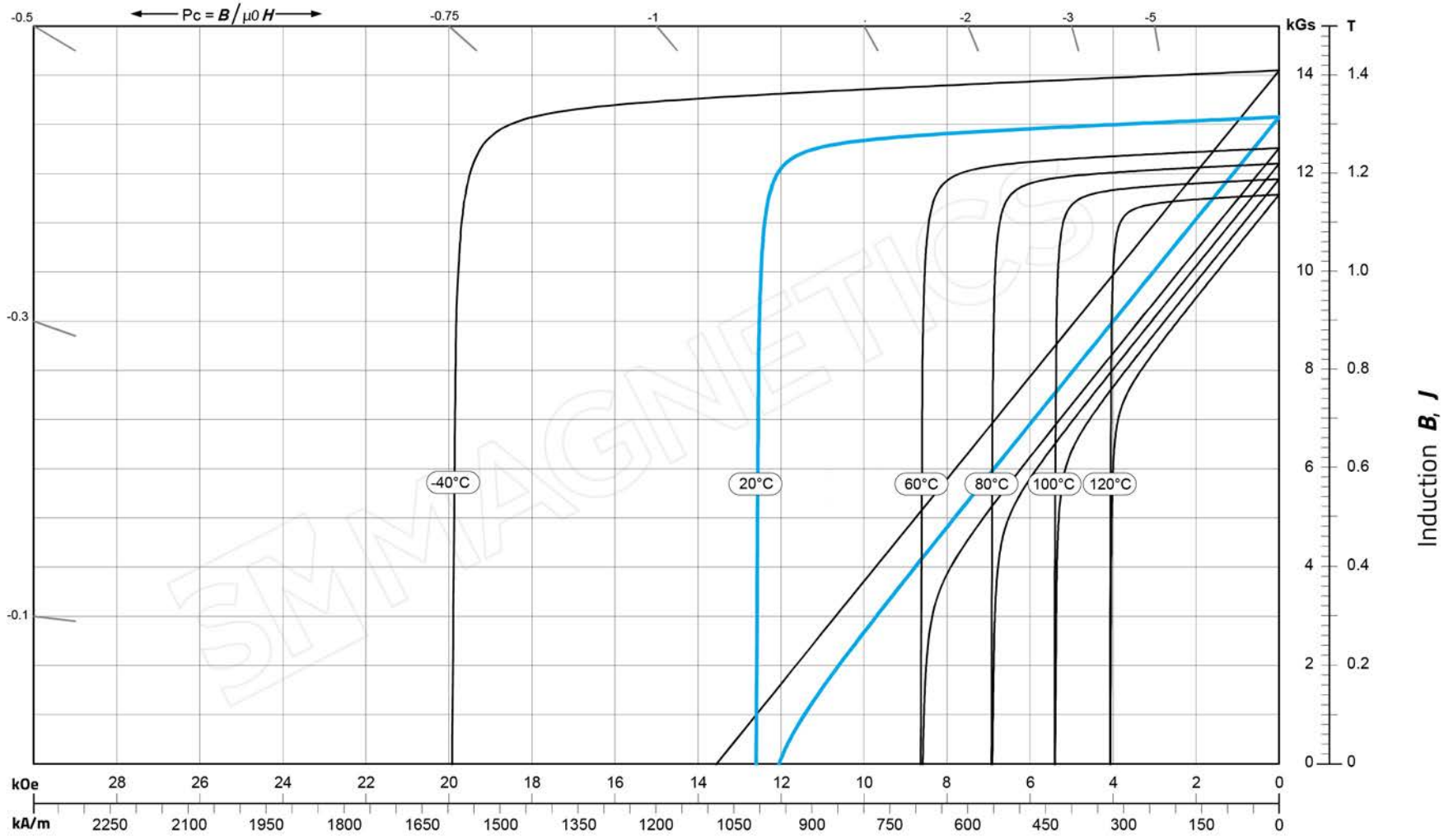
Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

Magnetic Properties (20℃) :

N42

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
12.8 - 13.2 kGs	≥ 11.5 kOe	≥ 12.0 kOe	40 - 43 MGOe
1.28 - 1.32 T	≥ 860 kA/m	≥ 955 kA/m	318 - 342 kJ/m³

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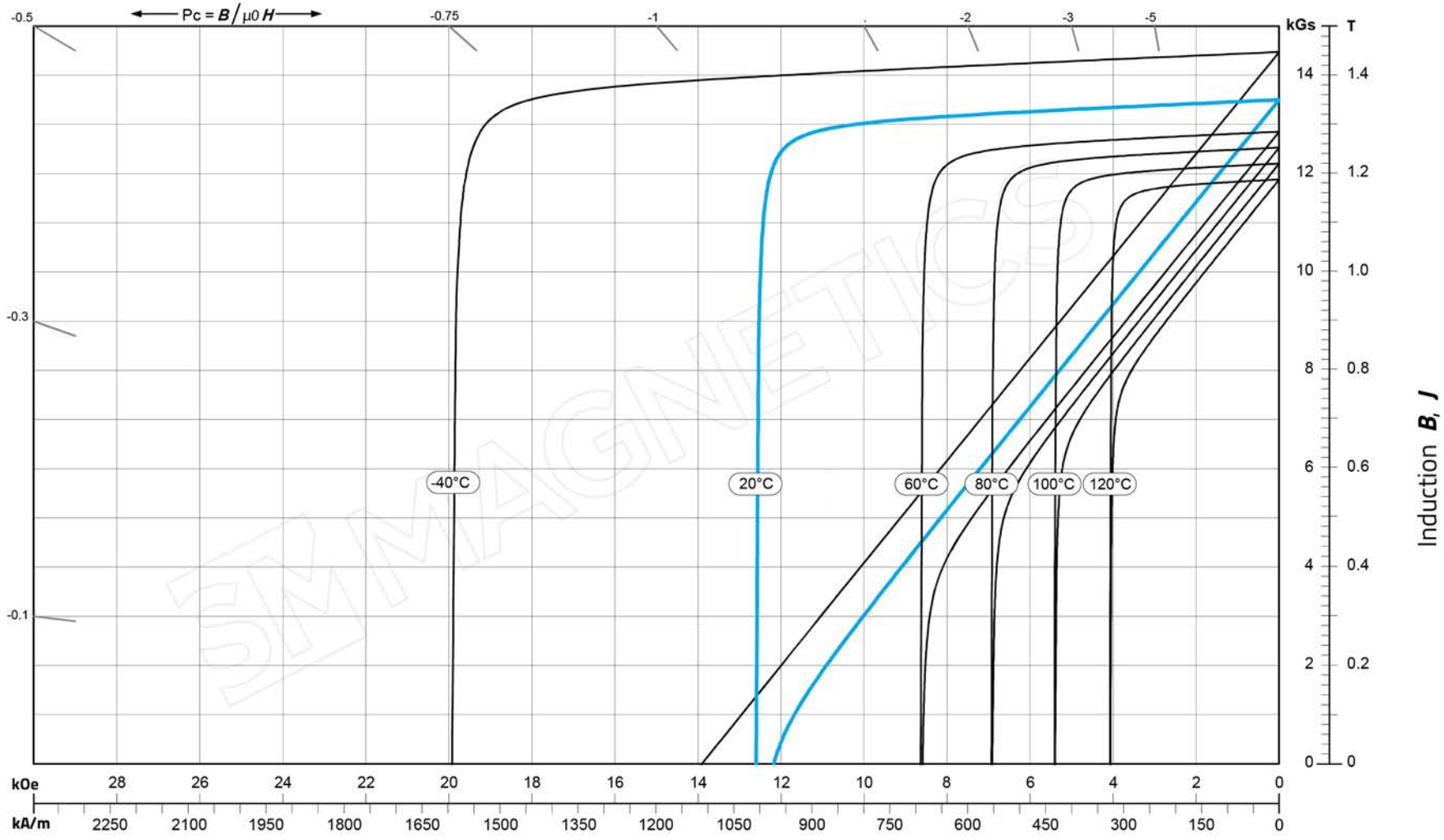
Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

Magnetic Properties (20℃) :

N45

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
13.2 - 13.7 kGs	≥ 11.0 kOe	≥ 12.0 kOe	43 - 46 MGOe
1.32 - 1.37 T	≥ 860 kA/m	≥ 955 kA/m	342 - 366 kJ/m³

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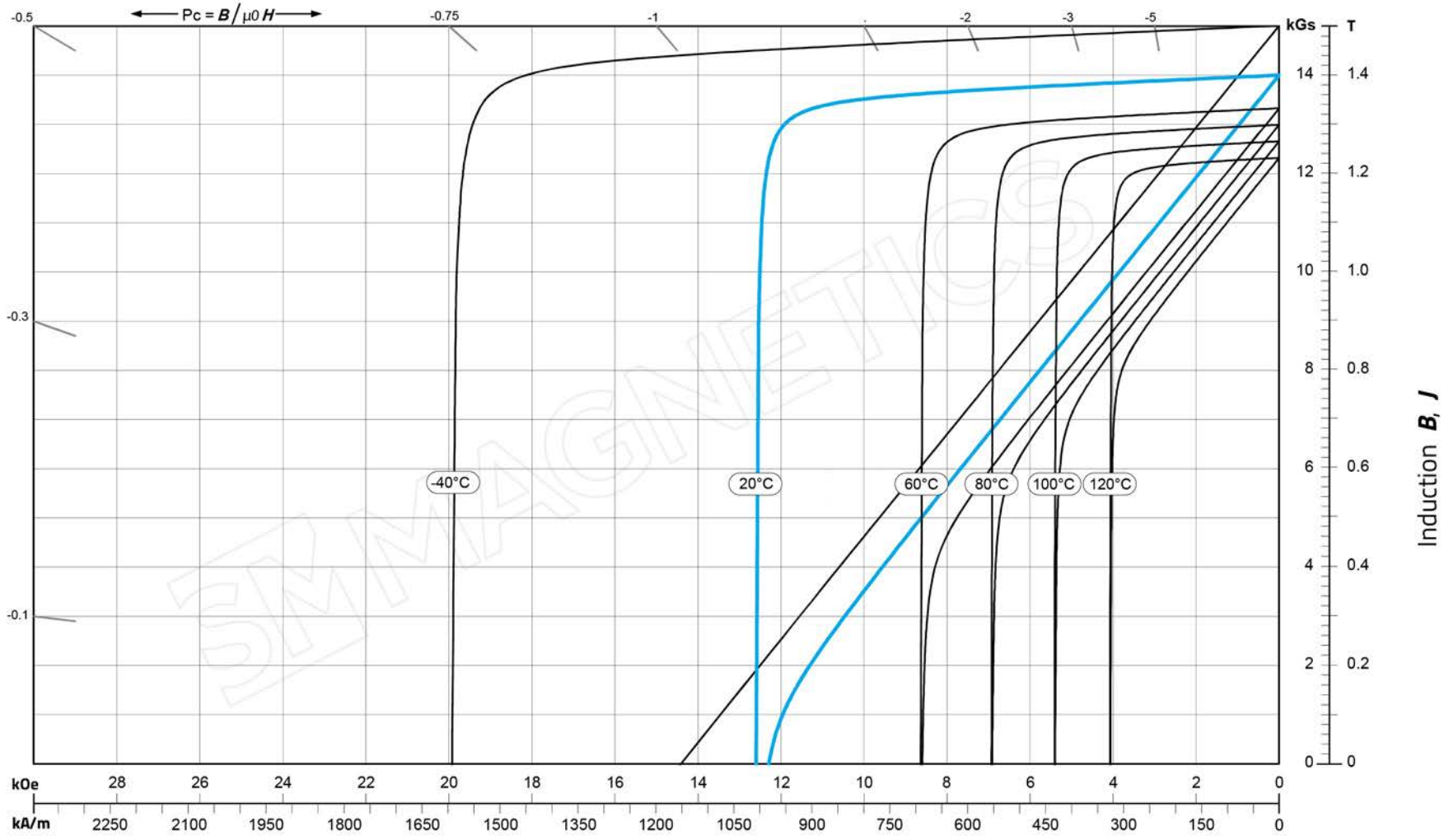
Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

Magnetic Properties (20℃) :

N48

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
13.7 - 14.2 kGs	≥ 11.0 kOe	≥ 12.0 kOe	46 - 49 MGOe
1.37 - 1.42 T	≥ 836 kA/m	≥ 955 kA/m	366 - 390 kJ/m³

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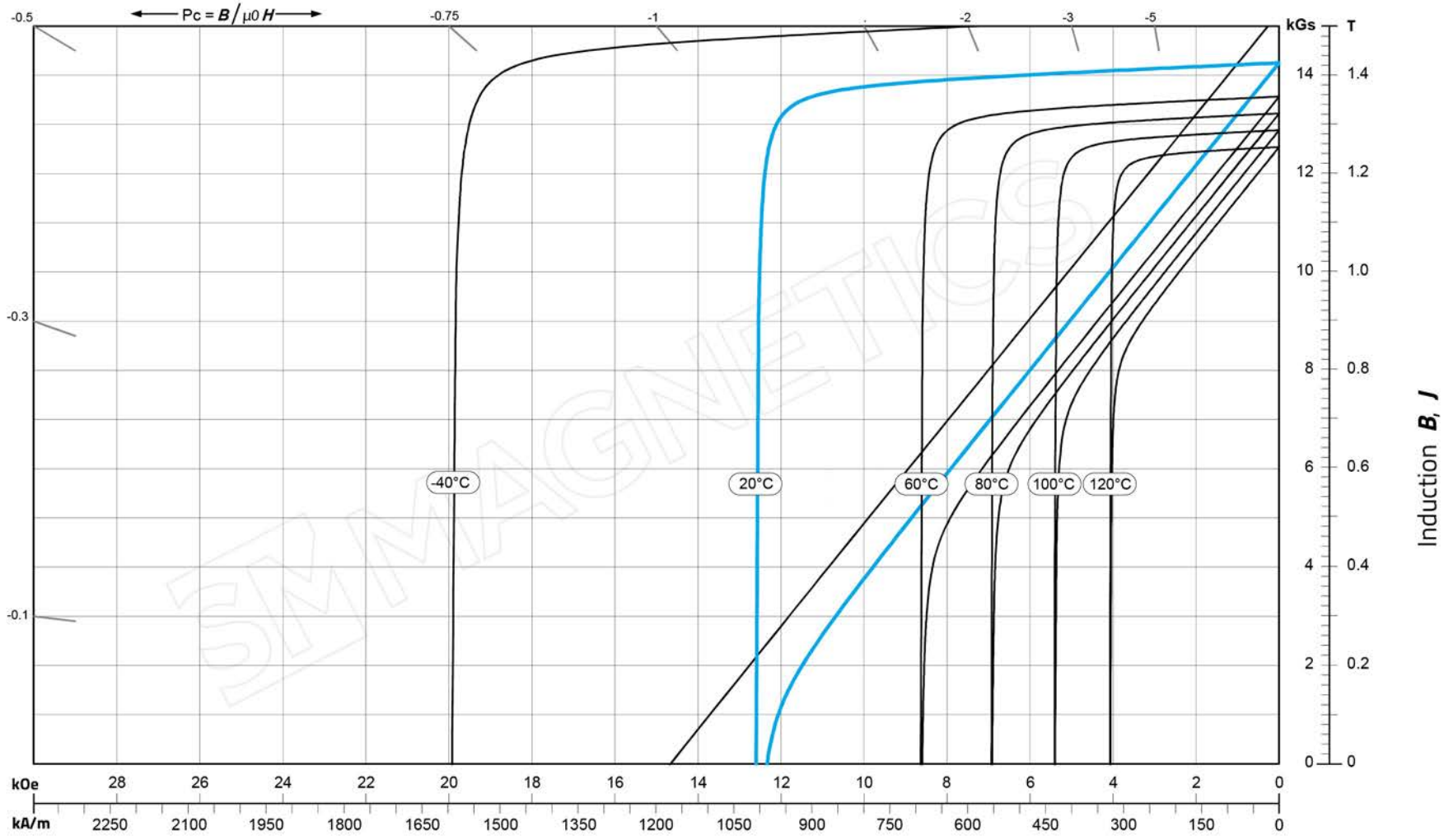
Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

Magnetic Properties (20℃) :

N50

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
13.9 - 14.4 kGs	≥ 10.5 kOe	≥ 12.0 kOe	47 - 51 MGOe
1.39 - 1.44T	≥ 836 kA/m	≥ 955 kA/m	376 - 406 kJ/m³

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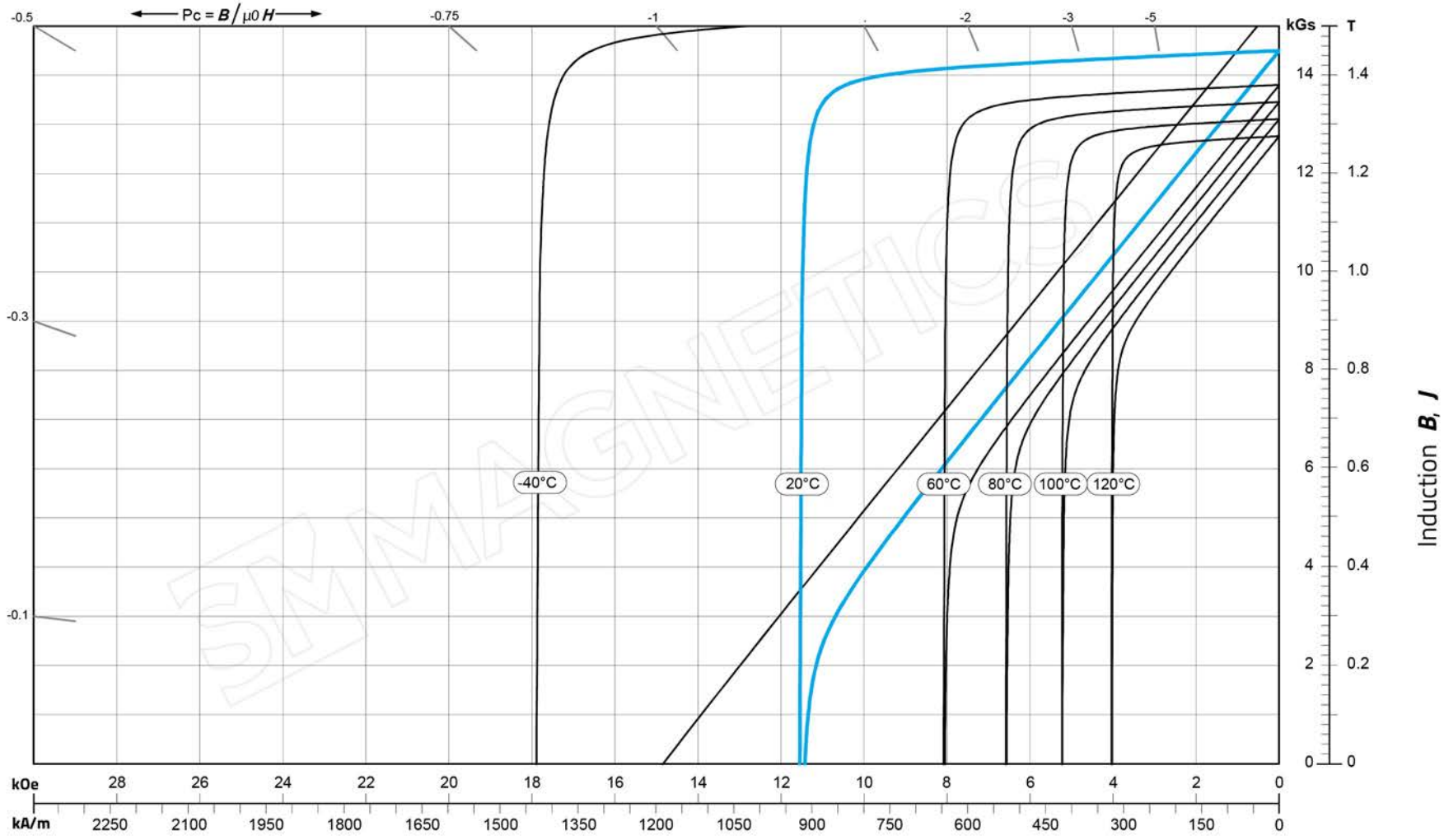
Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

Magnetic Properties (20℃) :

N52

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
14.2 - 14.7 kGs	≥ 10.5 kOe	≥ 11.0 kOe	49 - 53 MGOe
1.42 - 1.47 T	≥ 836 kA/m	≥ 876 kA/m	390 - 421 kJ/m³

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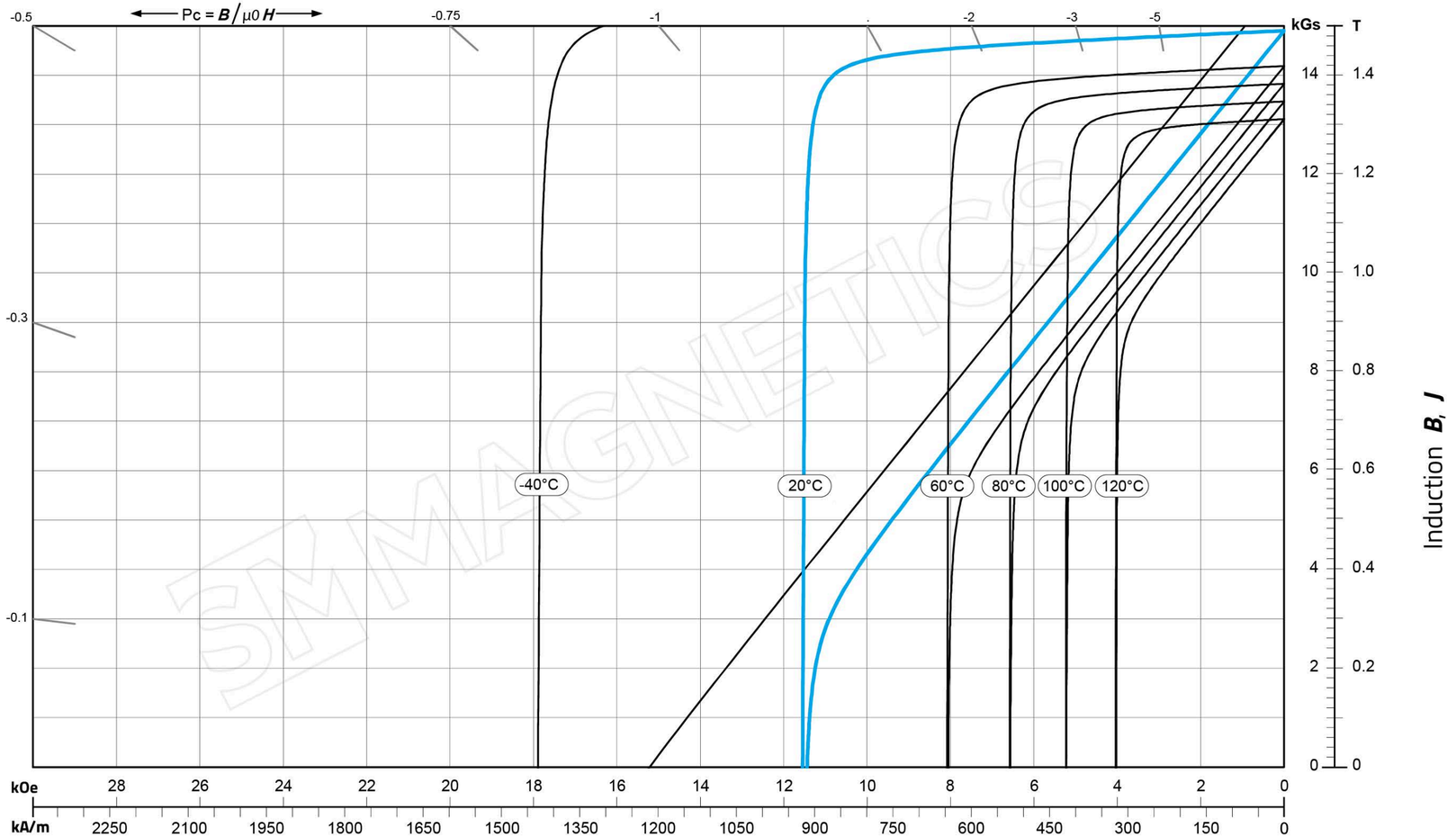
Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, -***H***

Magnetic Properties (20℃) :

N54

B**r** (Remanence):	***H*****cB** (Normal Coercivity):	***H*****cJ** (Intrinsic Coercivity):	(***BH***)**max** (Max Energy Product):
14.5 - 14.9 kGs	≥ 10.5 kOe	≥ 11.0 kOe	51 - 55 MGOe
1.45 - 1.49 T	≥ 836 kA/m	≥ 876 kA/m	406 - 438 kJ/m³

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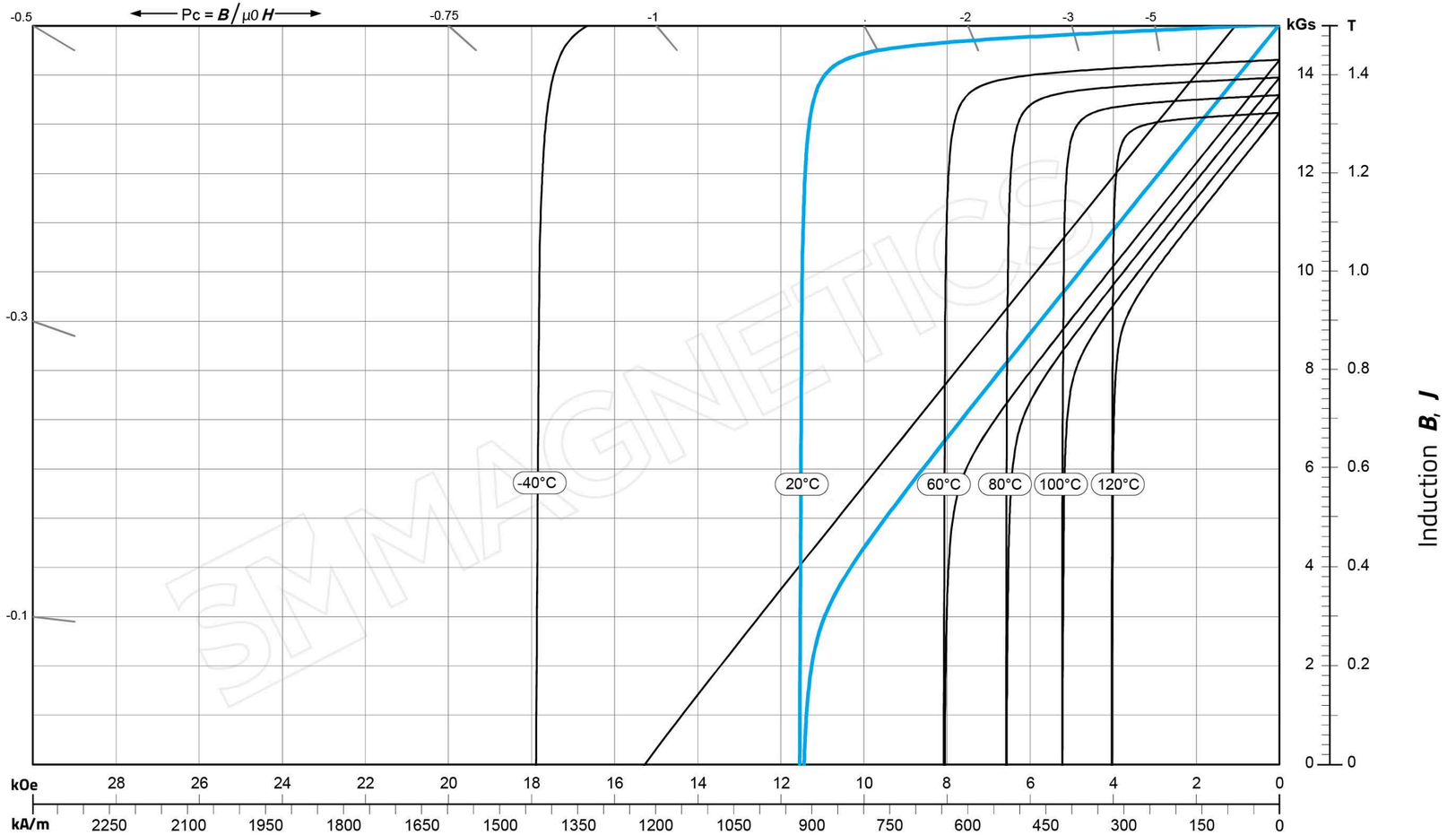
Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, -***H***

Magnetic Properties (20℃) :

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$_{cJ}$ (Intrinsic Coercivity):
≥ 11.0 kOe
≥ 876 kA/m

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

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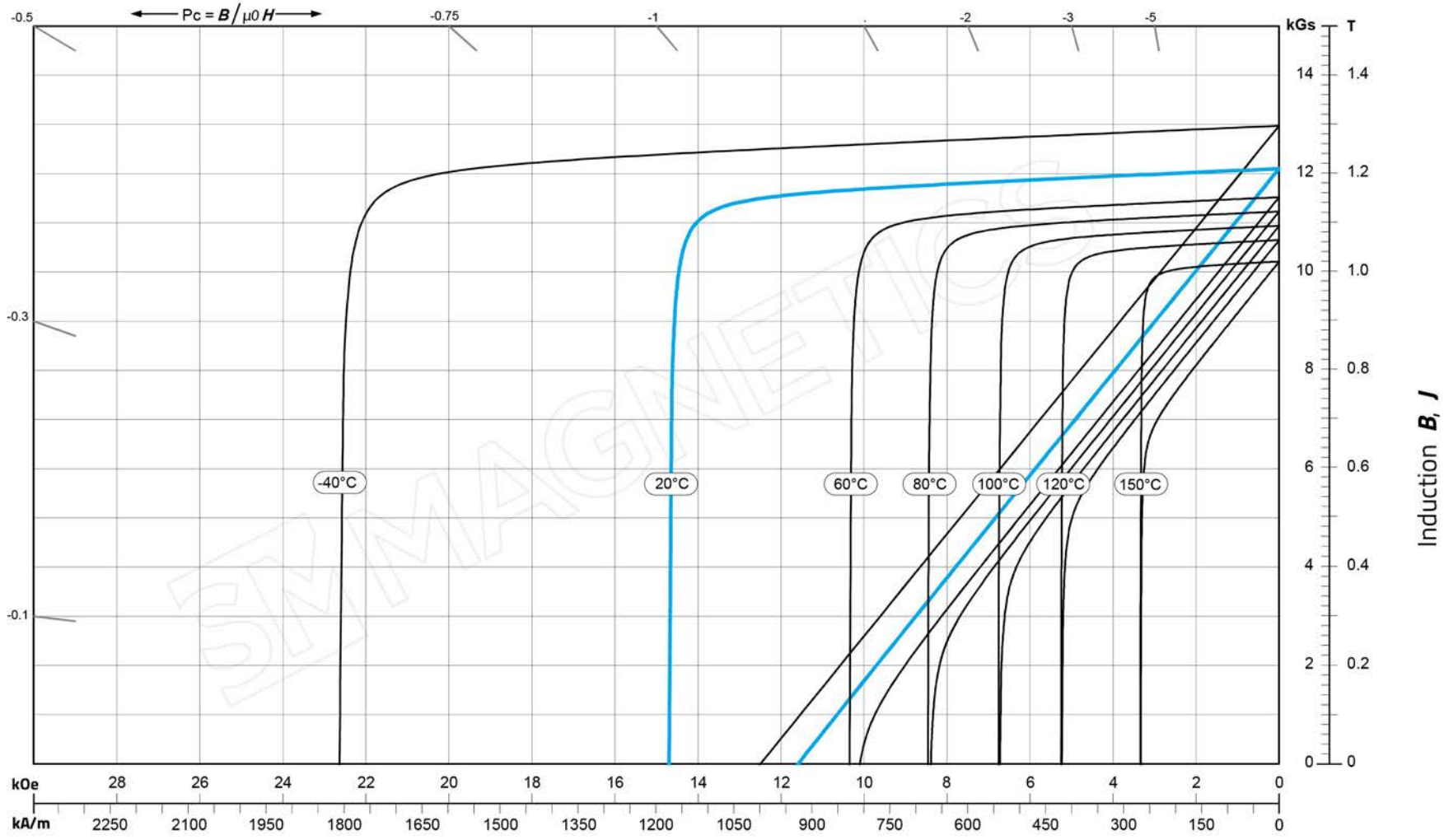
Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

Magnetic Properties (20℃) :

N35M

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
11.7 - 12.2 kGs	≥ 10.9 kOe	≥ 14.0 kOe	33 - 36 MGOe
1.17 - 1.22 T	≥ 868 kA/m	≥ 1114 kA/m	263 - 287 kJ/m³

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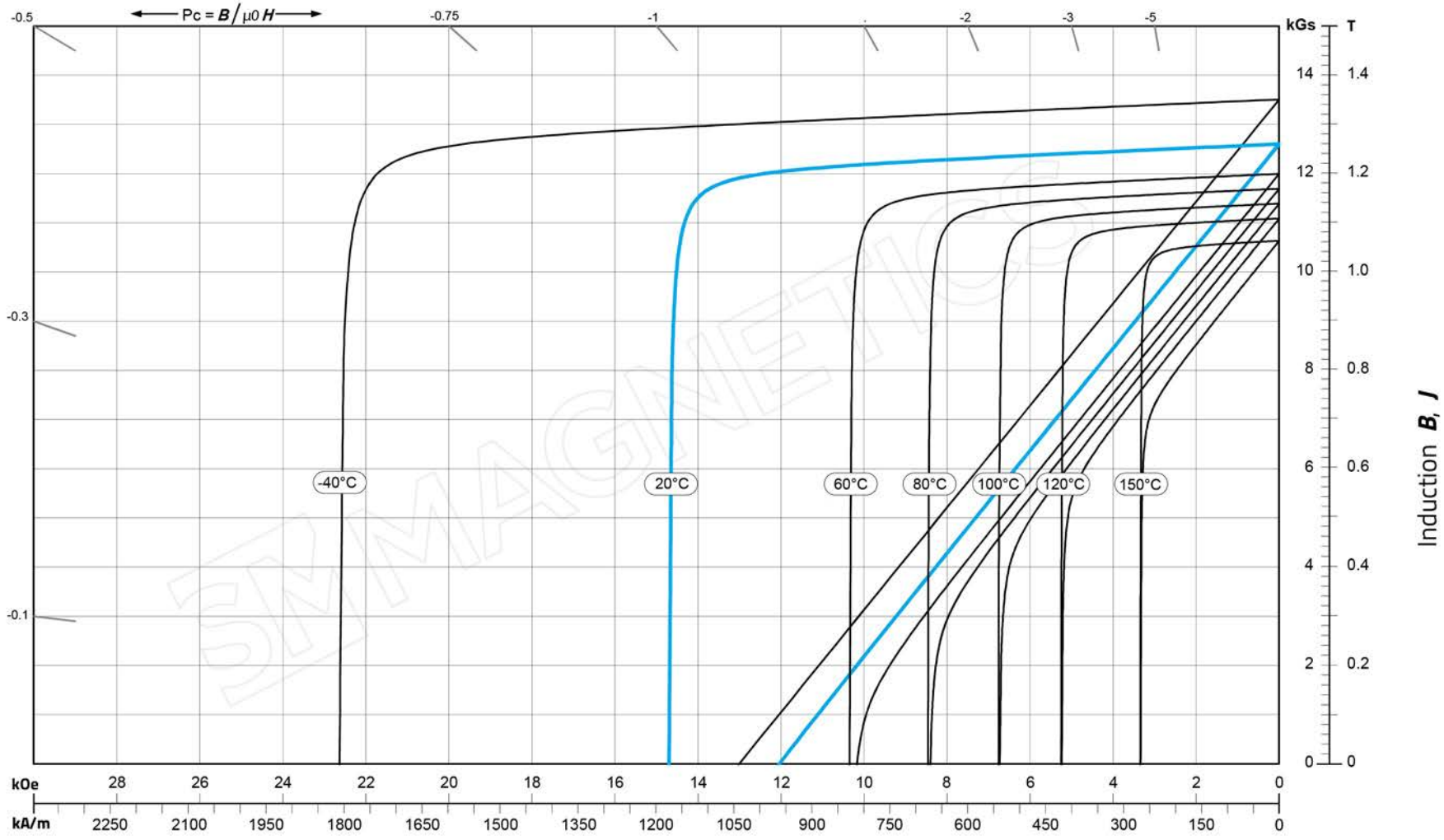
Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

Magnetic Properties (20℃) :

N38M

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
12.2 - 12.5 kGs	≥ 11.3 kOe	≥ 14.0 kOe	36 - 39 MGOe
1.22 - 1.25 T	≥ 899 kA/m	≥ 1114 kA/m	287 - 310 kJ/m³

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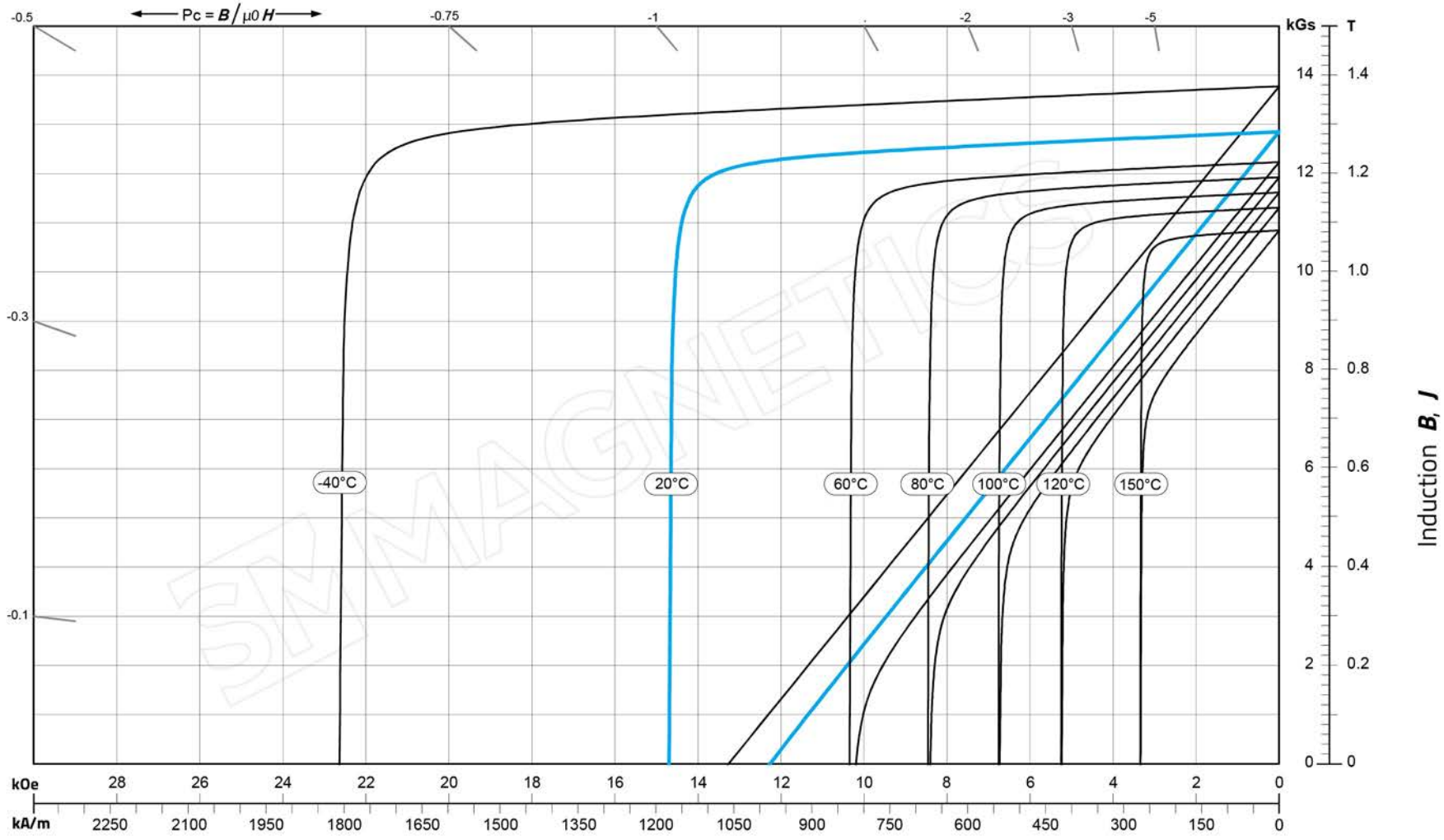
Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

Magnetic Properties (20℃) :

N40M

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
12.5 - 12.8 kGs	≥ 11.6 kOe	≥ 14.0 kOe	38 - 41 MGOe
1.25 - 1.28 T	≥ 923 kA/m	≥ 1114 kA/m	302 - 326 kJ/m³

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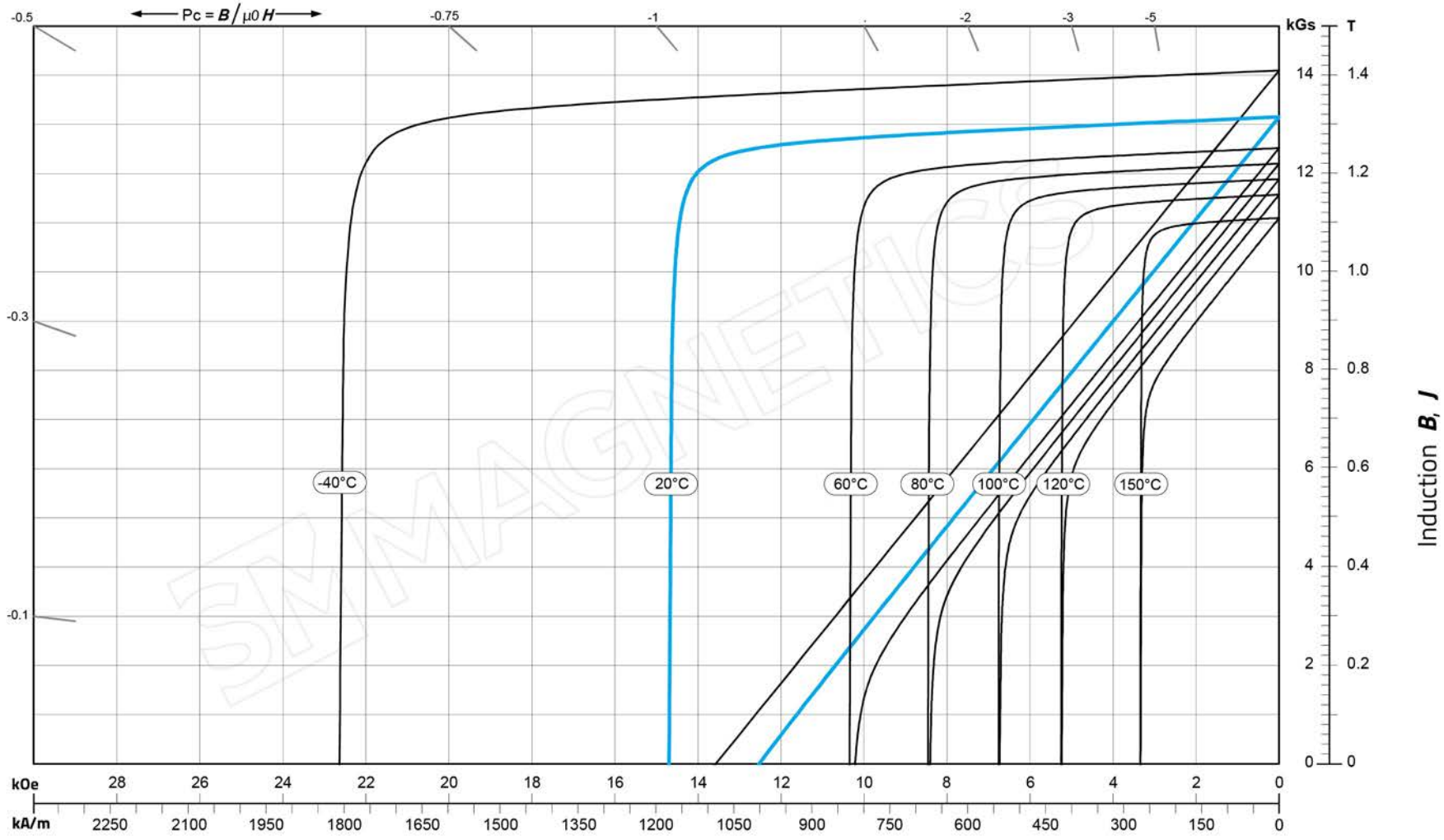
Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

Magnetic Properties (20℃) :

N42M

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
12.8 - 13.2 kGs	≥ 12.0 kOe	≥ 14.0 kOe	40 - 43 MGOe
1.28 - 1.32 T	≥ 955 kA/m	≥ 1114 kA/m	318 - 342 kJ/m³

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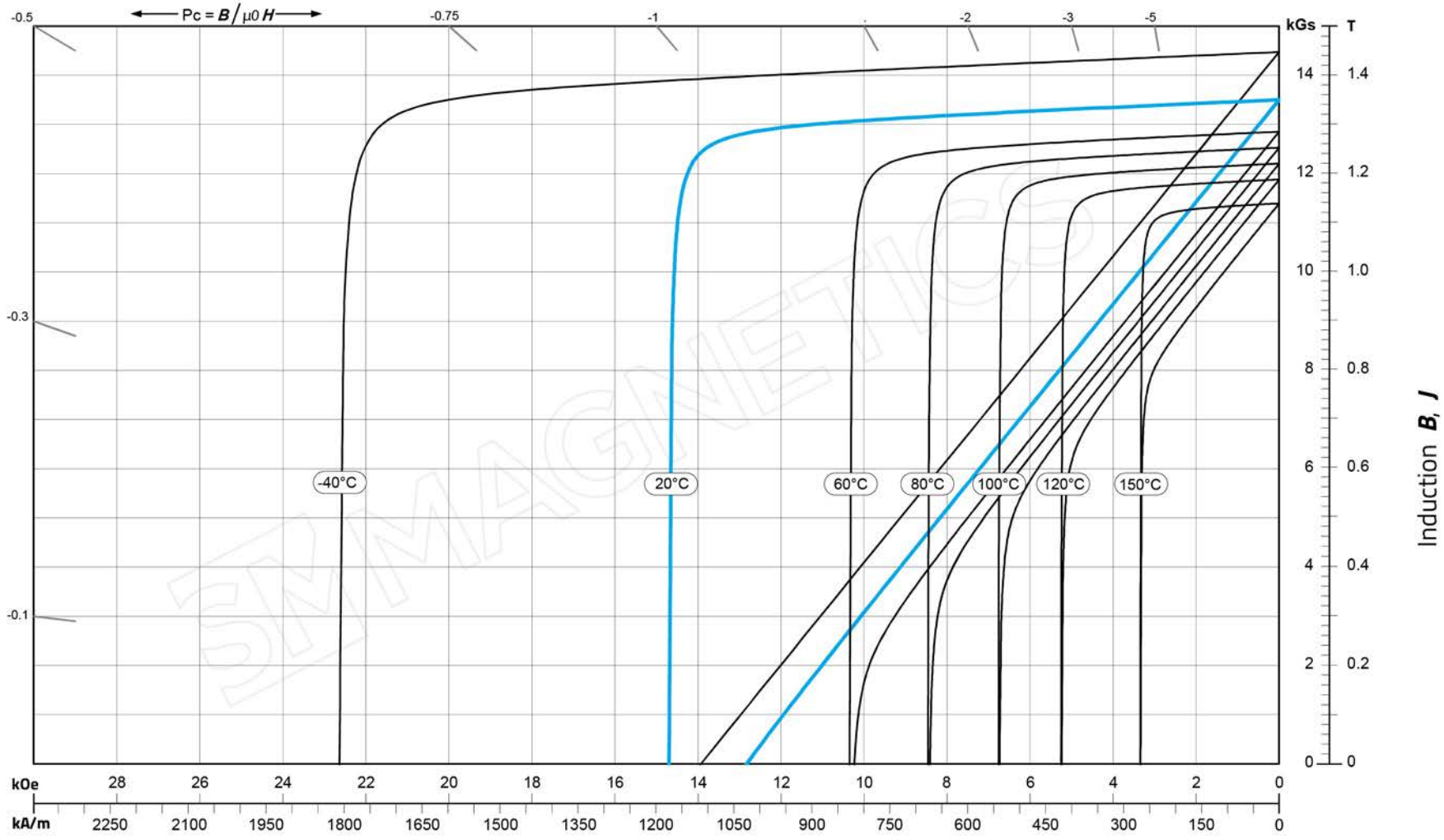
Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

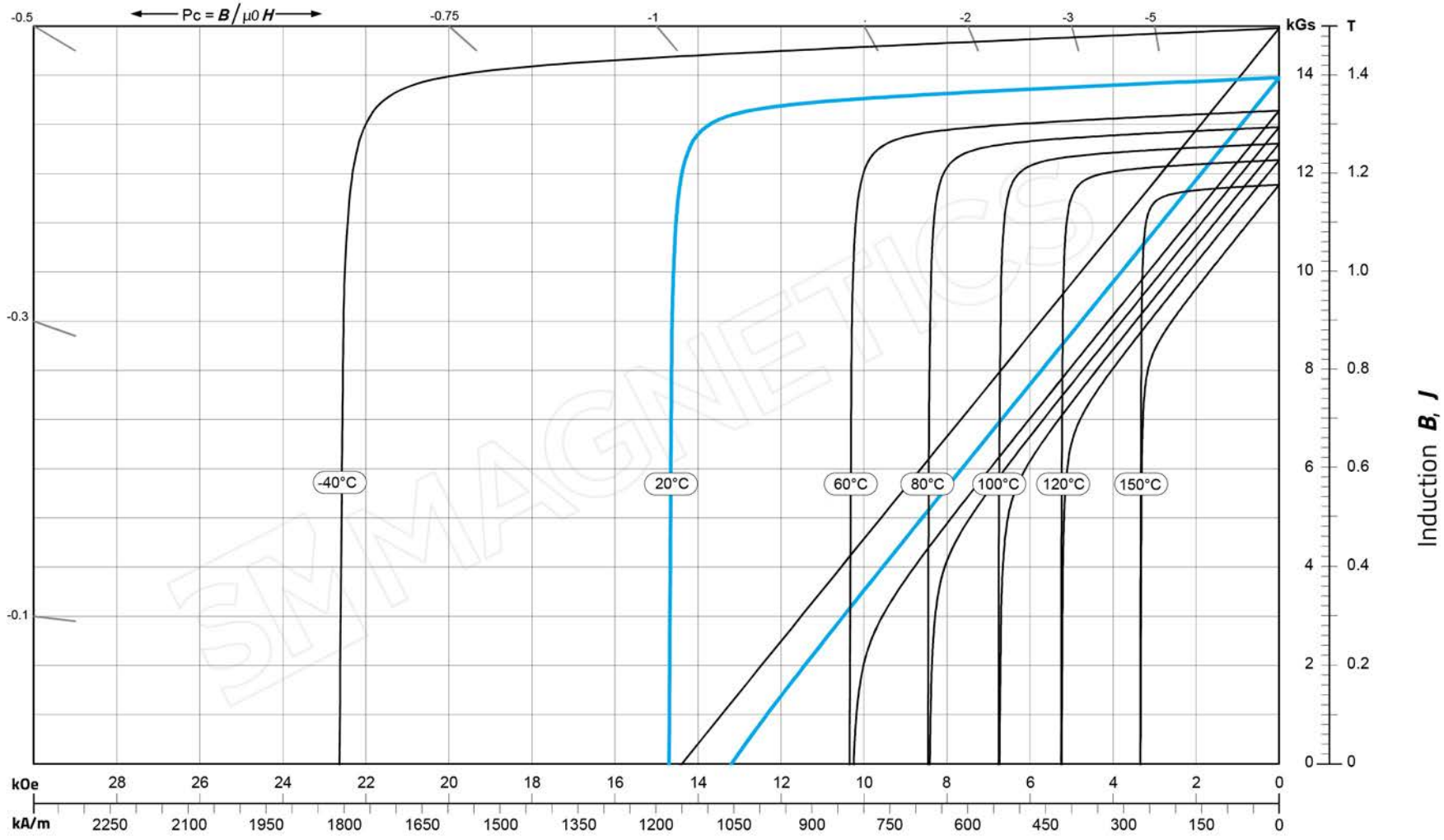
Magnetic Properties (20℃) :

N45M

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
13.2 - 13.8 kGs	≥ 12.2 kOe	≥ 14.0 kOe	43 - 46 MGOe
1.32 - 1.38 T	≥ 971 kA/m	≥ 1114 kA/m	342 - 366 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

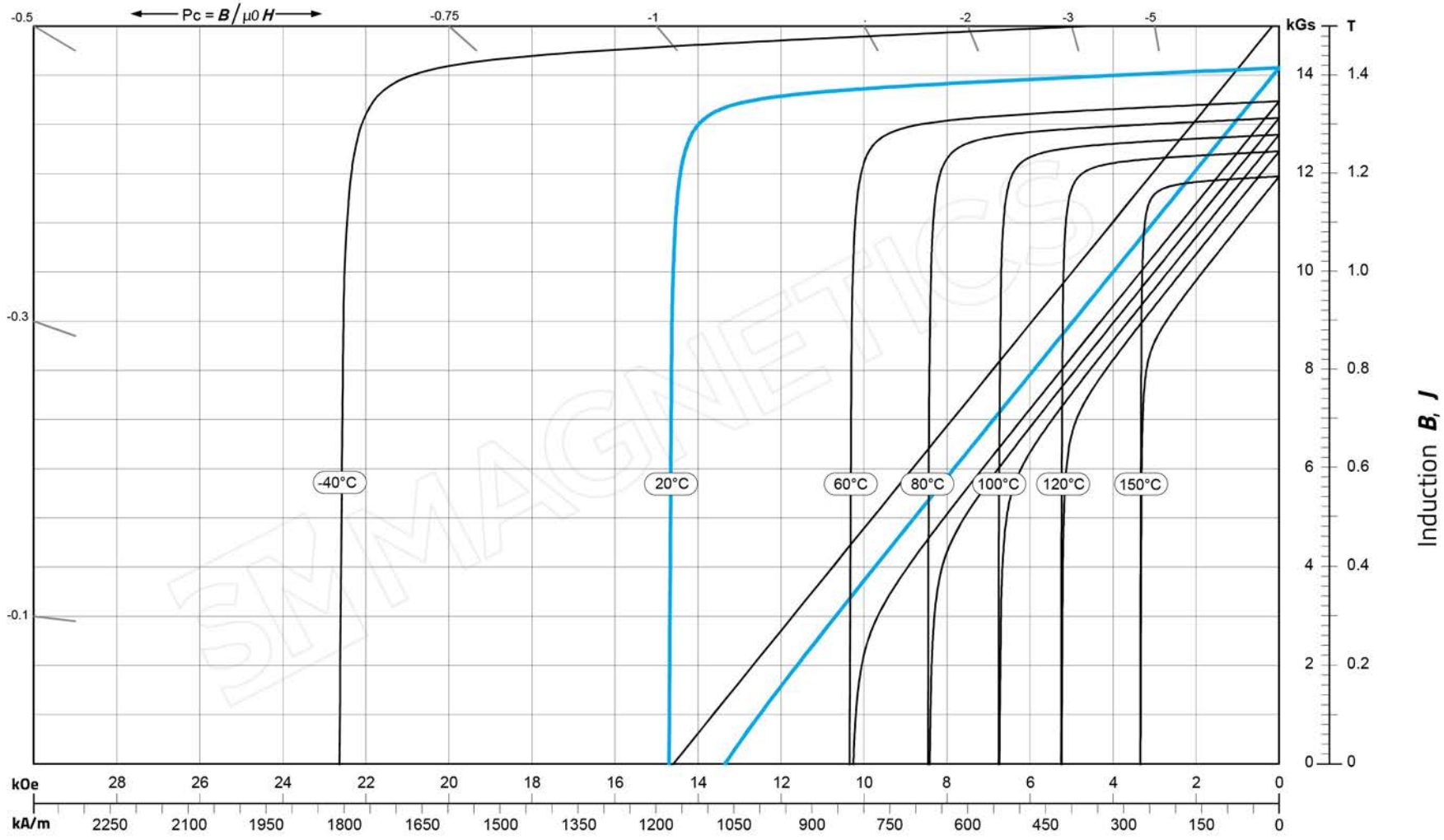
Magnetic Properties (20℃) :

N48M

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
13.6 - 14.2 kGs	≥ 12.5 kOe	≥ 14.0 kOe	46 - 49 MGOe
1.36 - 1.42 T	≥ 995 kA/m	≥ 1114 kA/m	360 - 392 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

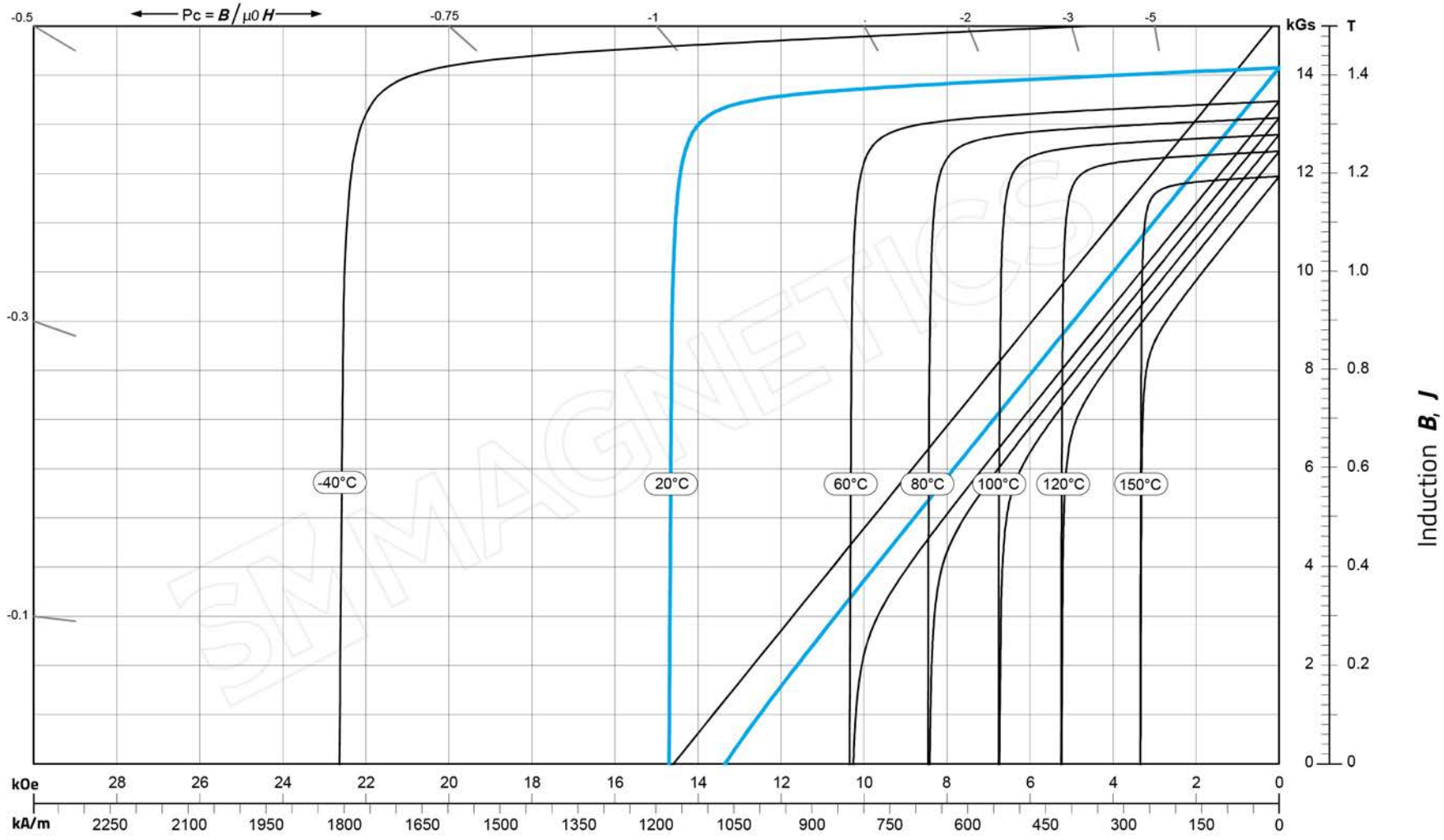
Magnetic Properties (20℃) :

N50M

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
13.9 - 14.4 kGs	≥ 13.0 kOe	≥ 14.0 kOe	47 - 51 MGOe
1.39 - 1.44 T	≥ 1035 kA/m	≥ 1114 kA/m	376 - 406 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

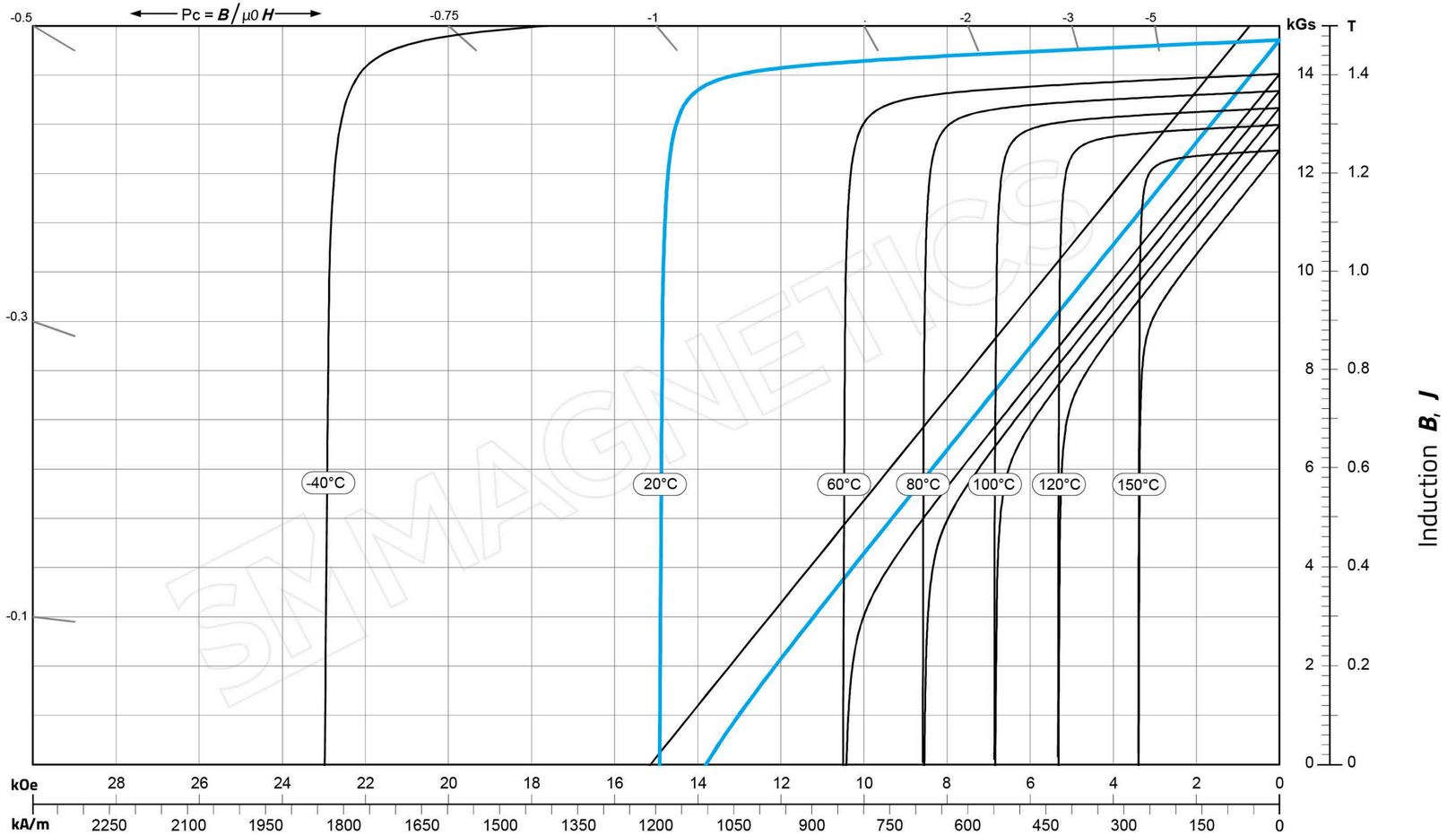
Magnetic Properties (20℃) :

N52M

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
14.2 - 14.7 kGs	≥ 13.3 kOe	≥ 14.0 kOe	49 - 53 MGOe
1.42 - 1.47 T	≥ 1056 kA/m	≥ 1114 kA/m	390 - 422 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, -***H***

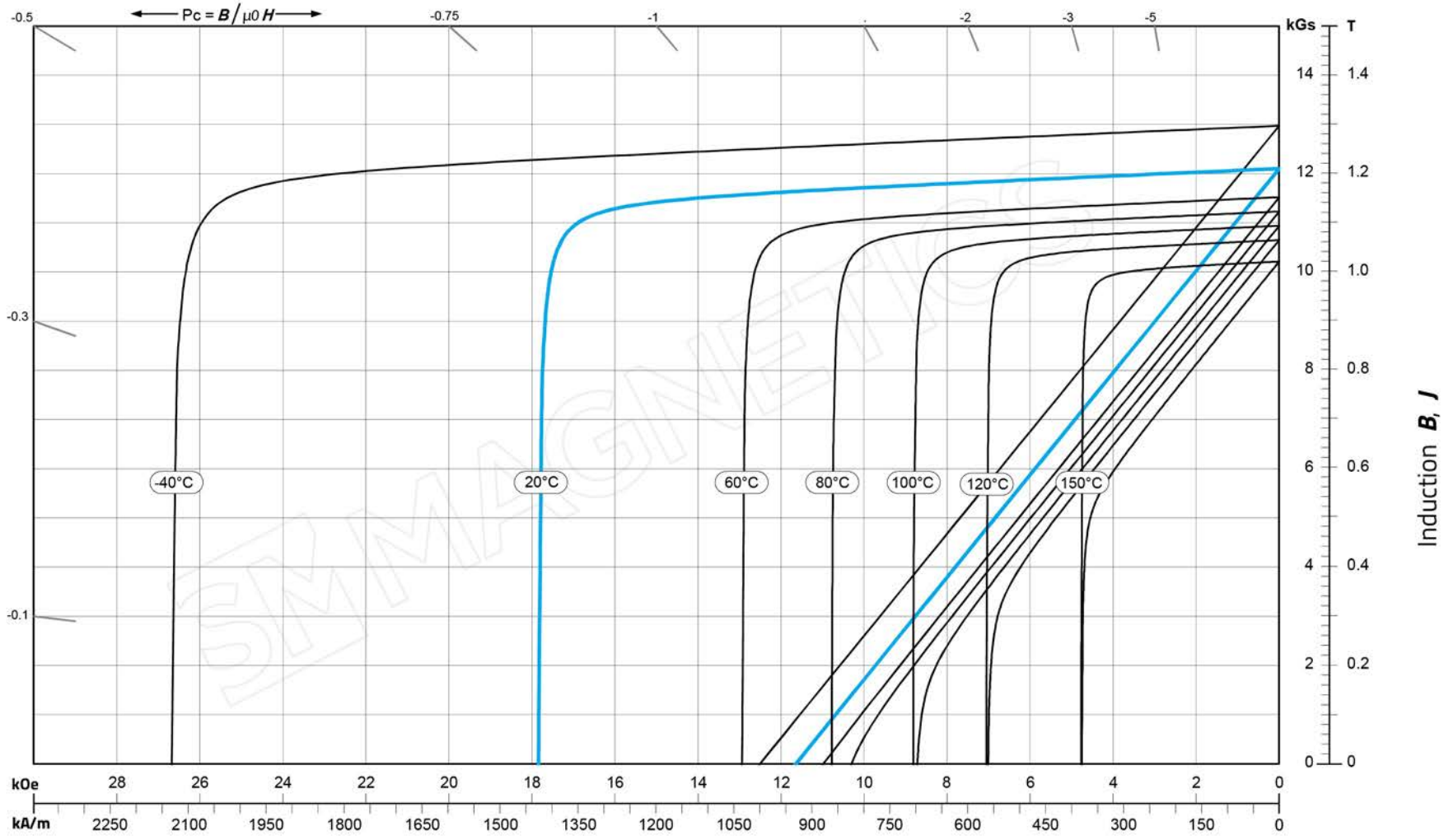
Magnetic Properties (20℃) :

N54M

B**r** (Remanence):	***H*****cB** (Normal Coercivity):	***H*****cJ** (Intrinsic Coercivity):	(***BH***)**max** (Max Energy Product):
14.5 - 14.9 kGs	≥ 13.3 kOe	≥ 14.0 kOe	51 - 55 MGOe
1.45 - 1.49 T	≥ 1059 kA/m	≥ 1114 kA/m	406 - 438 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

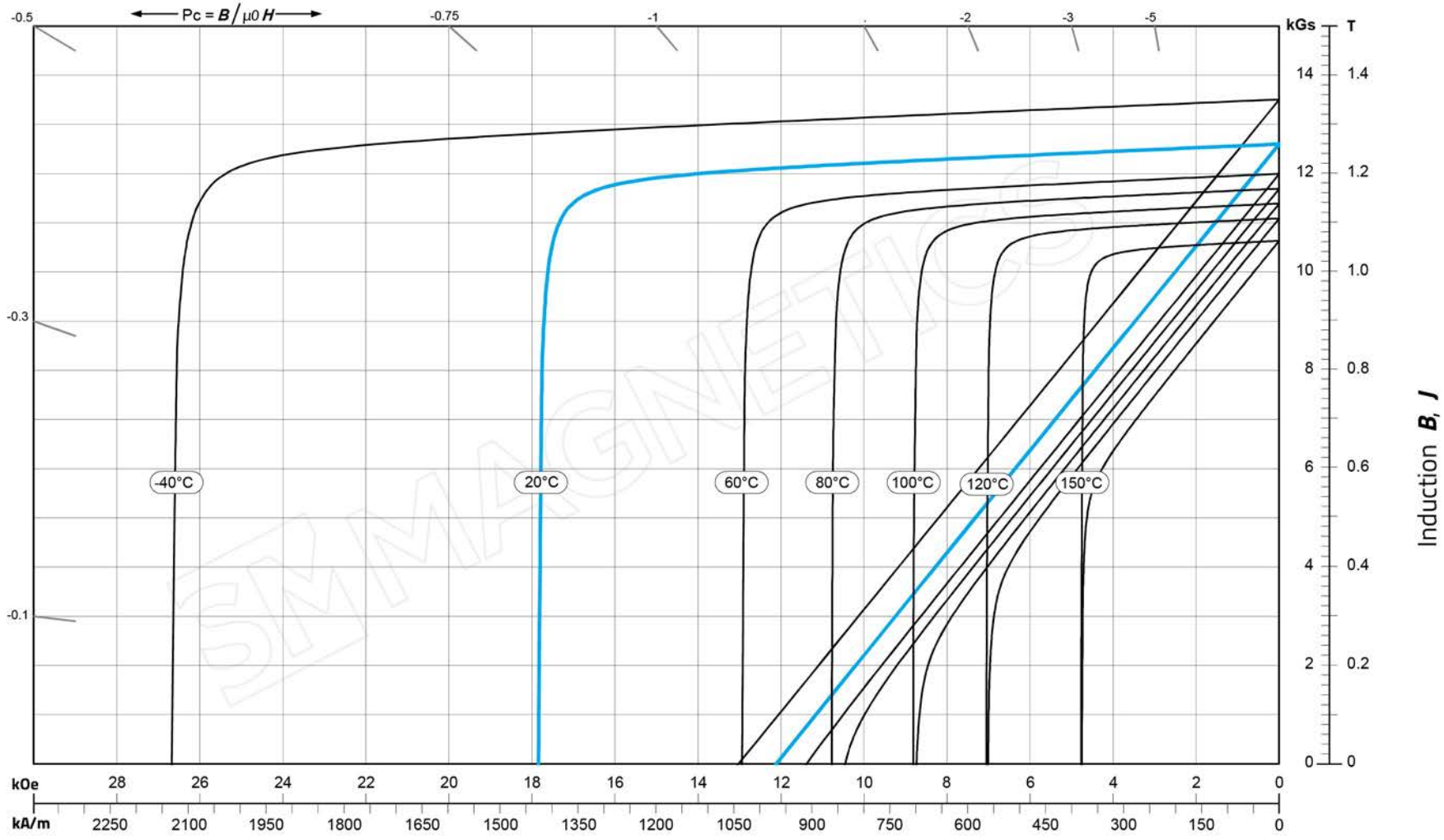
Magnetic Properties (20℃) :

N35H

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
11.7 - 12.2 kGs	≥ 10.9 kOe	≥ 17.0 kOe	33 - 36 MGOe
1.17 - 1.22 T	≥ 868 kA/m	≥ 1353 kA/m	263 - 287 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

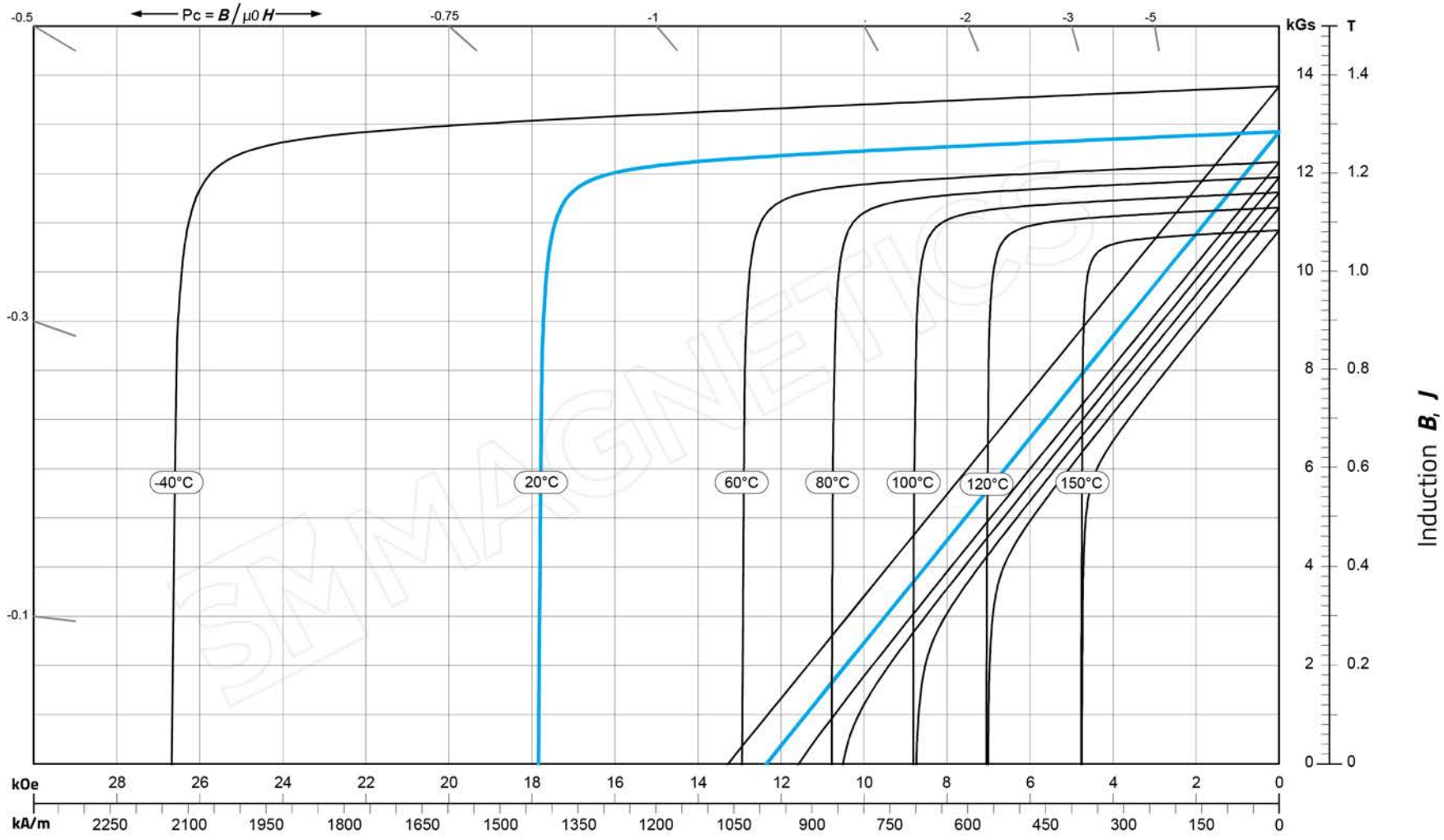
Magnetic Properties (20℃) :

N38H

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
12.2 - 12.5 kGs	≥ 11.3 kOe	≥ 17.0 kOe	36 - 39 MGOe
1.22 - 1.25 T	≥ 899 kA/m	≥ 1353 kA/m	287 - 310 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

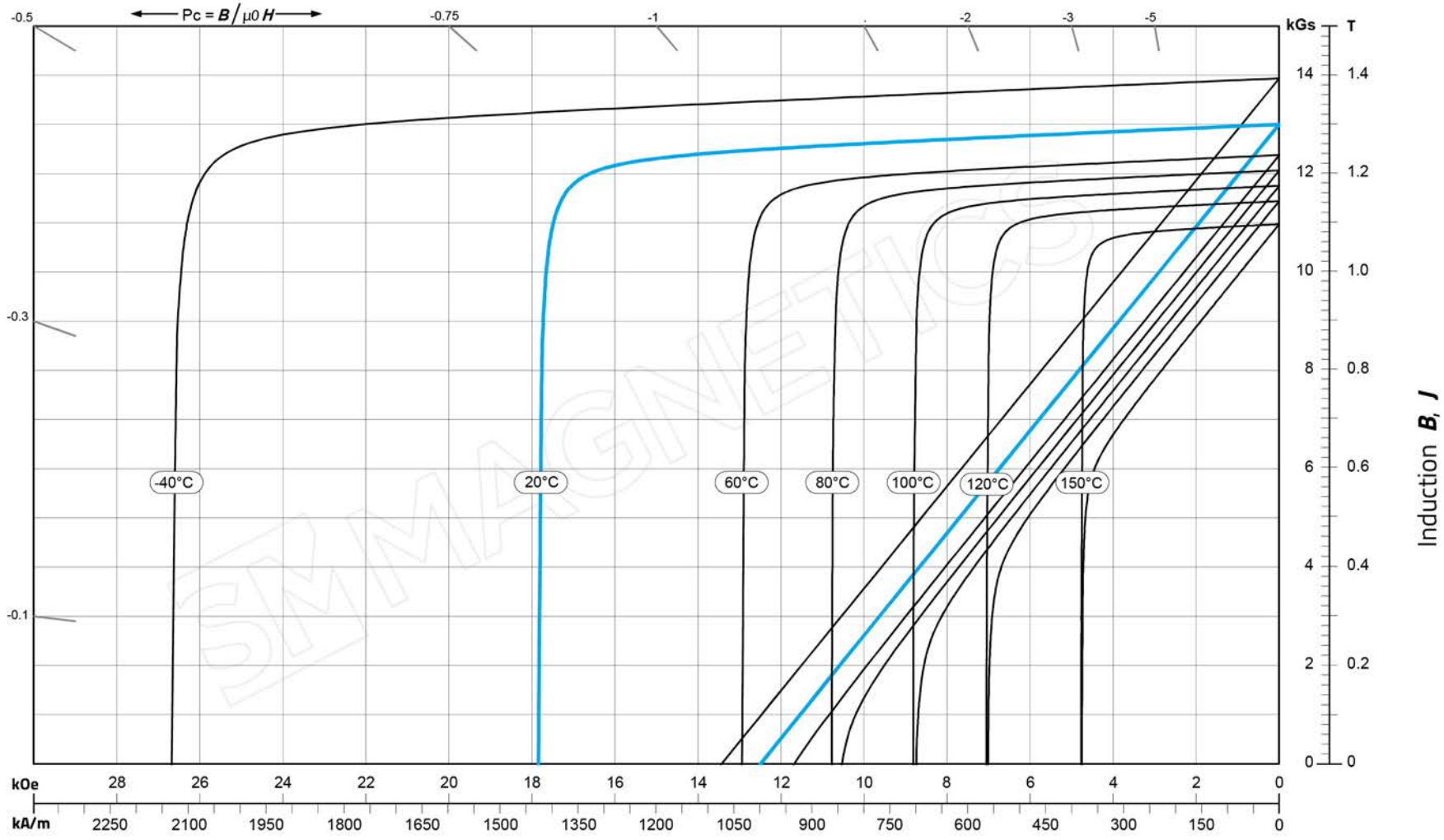
Magnetic Properties (20℃) :

N40H

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
12.5 - 12.8 kGs	≥ 11.6 kOe	≥ 17.0 kOe	38 - 41 MGOe
1.25 - 1.28 T	≥ 923 kA/m	≥ 1353 kA/m	302 - 326 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

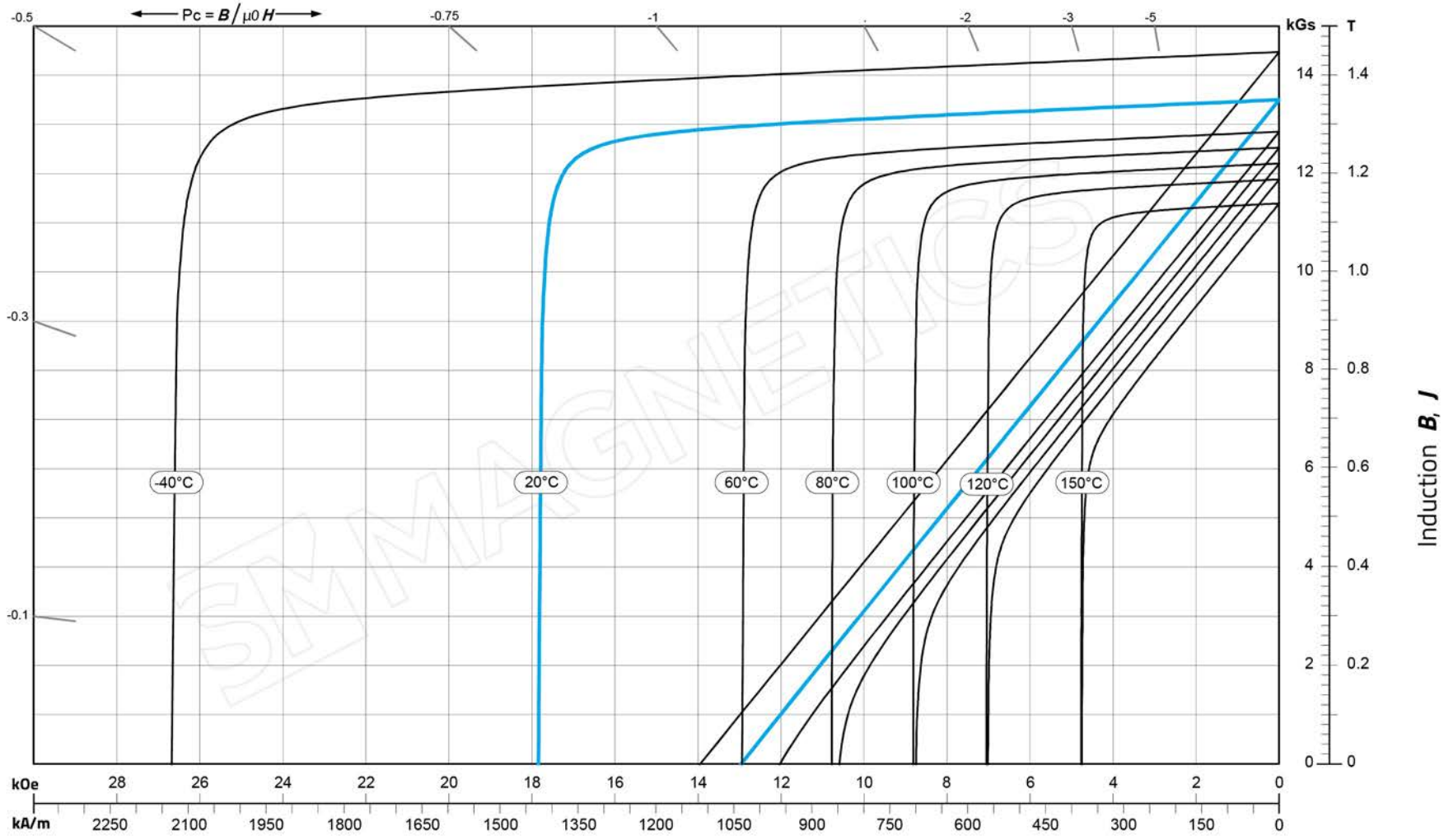
Magnetic Properties (20℃) :

N42H

B**r** (Remanence):	***H*****cB** (Normal Coercivity):	***H*****cJ** (Intrinsic Coercivity):	(***BH***)**max** (Max Energy Product):
12.8 - 13.2 kGs	≥ 12.0 kOe	≥ 17.0 kOe	40 - 43 MGOe
1.28 - 1.32 T	≥ 955 kA/m	≥ 1353 kA/m	318 - 342 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

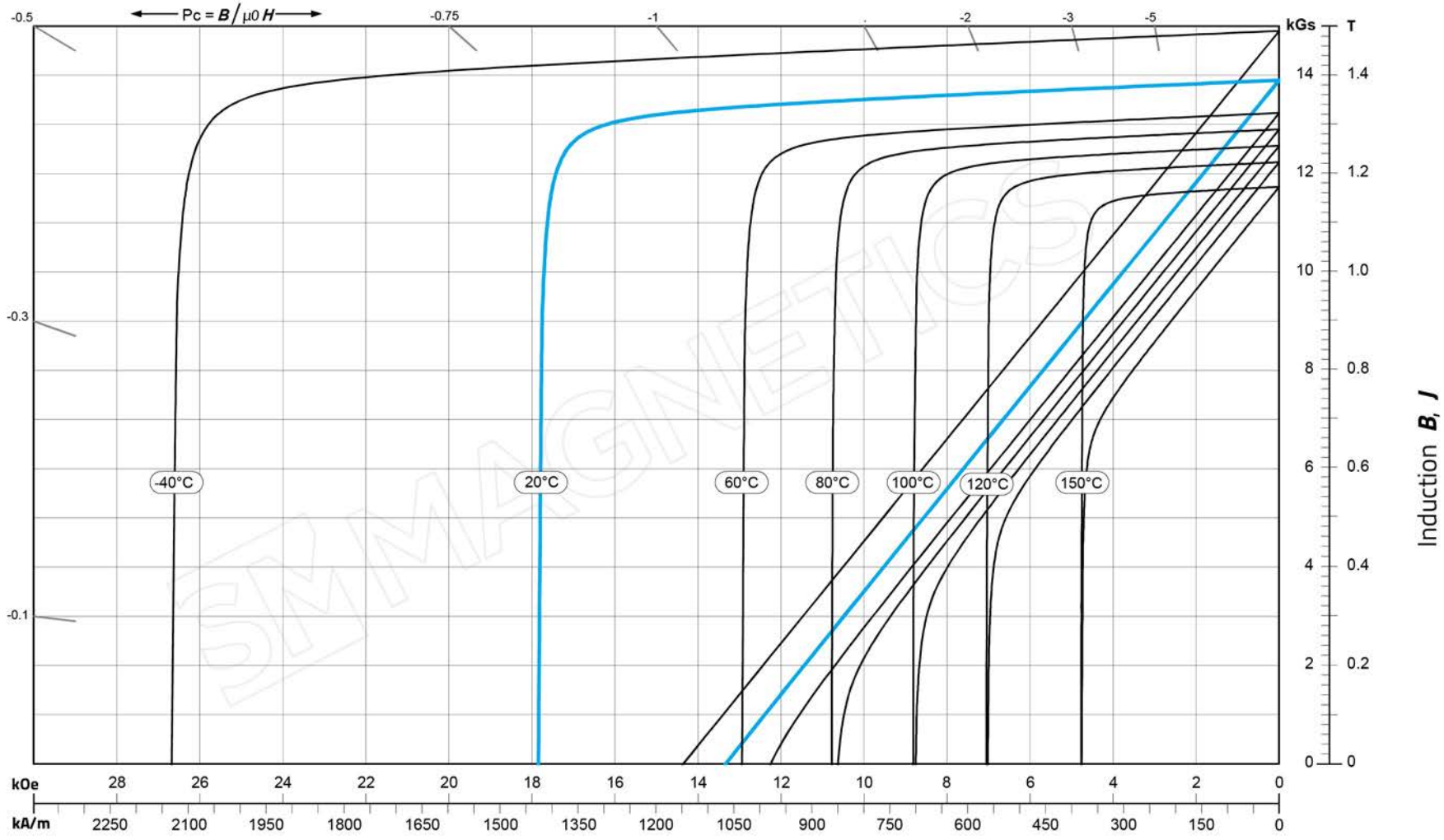
Magnetic Properties (20℃) :

N45H

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
13.2 - 13.7 kGs	≥ 12.2 kOe	≥ 17.0 kOe	43 - 46 MGOe
1.32 - 1.37 T	≥ 971 kA/m	≥ 1353 kA/m	344 - 366 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

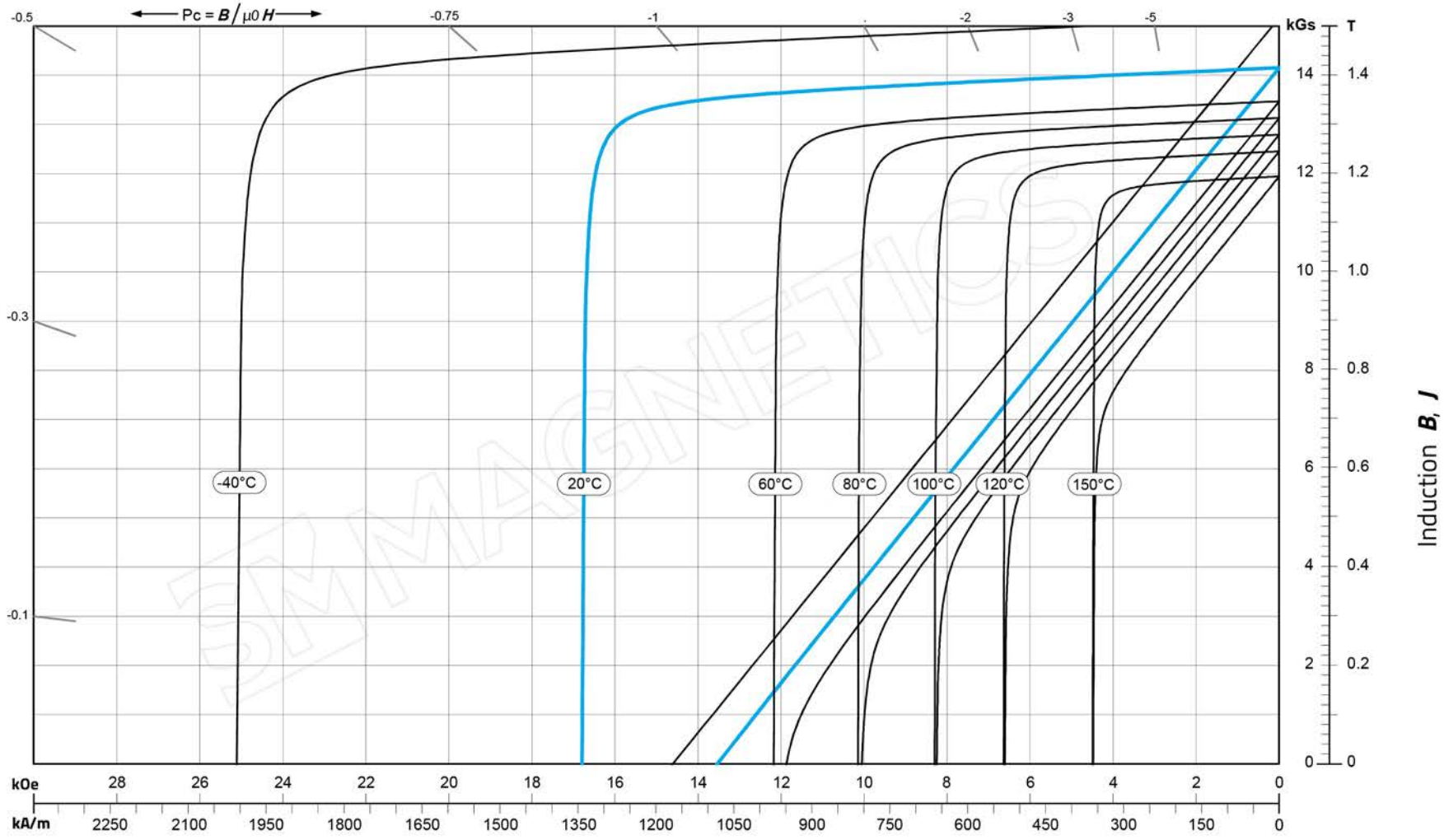
Magnetic Properties (20℃) :

N48H

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
13.6 - 14.2 kGs	≥ 12.7 kOe	≥ 17.0 kOe	46 - 49 MGOe
1.36 - 1.42 T	≥ 1011 kA/m	≥ 1353 kA/m	366 - 392 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

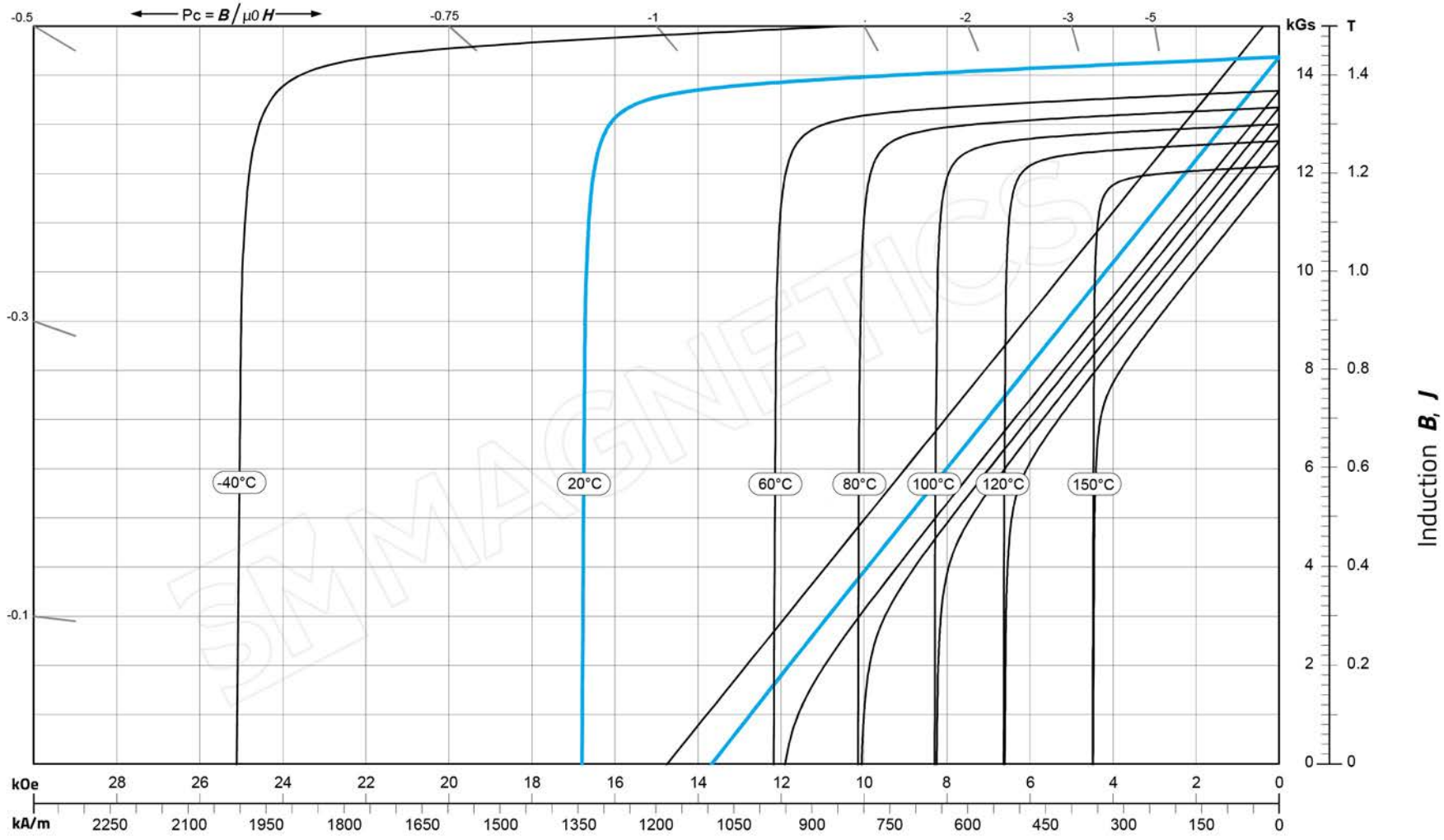
Magnetic Properties (20℃) :

N50H

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
13.9 - 14.4 kGs	≥ 13.0 kOe	≥ 17.0 kOe	47 - 51 MGOe
1.39 - 1.44 T	≥ 1035 kA/m	≥ 1353 kA/m	374 - 406 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

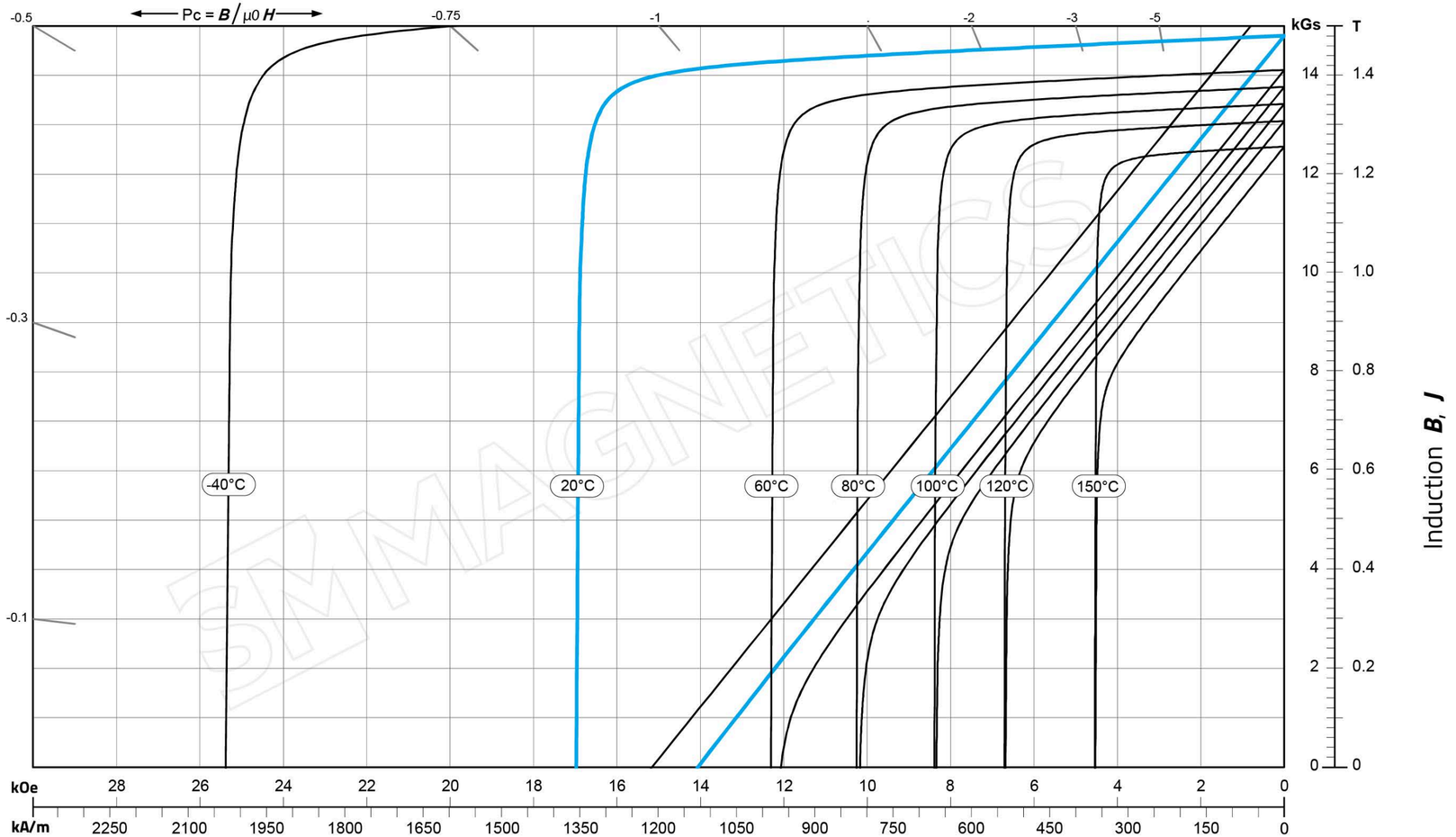
Magnetic Properties (20℃) :

N52H

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
14.2 - 14.7 kGs	≥ 13.0 kOe	≥ 17.0 kOe	49 - 53 MGOe
1.42 - 1.47 T	≥ 1035 kA/m	≥ 1353 kA/m	390 - 422 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, -***H***

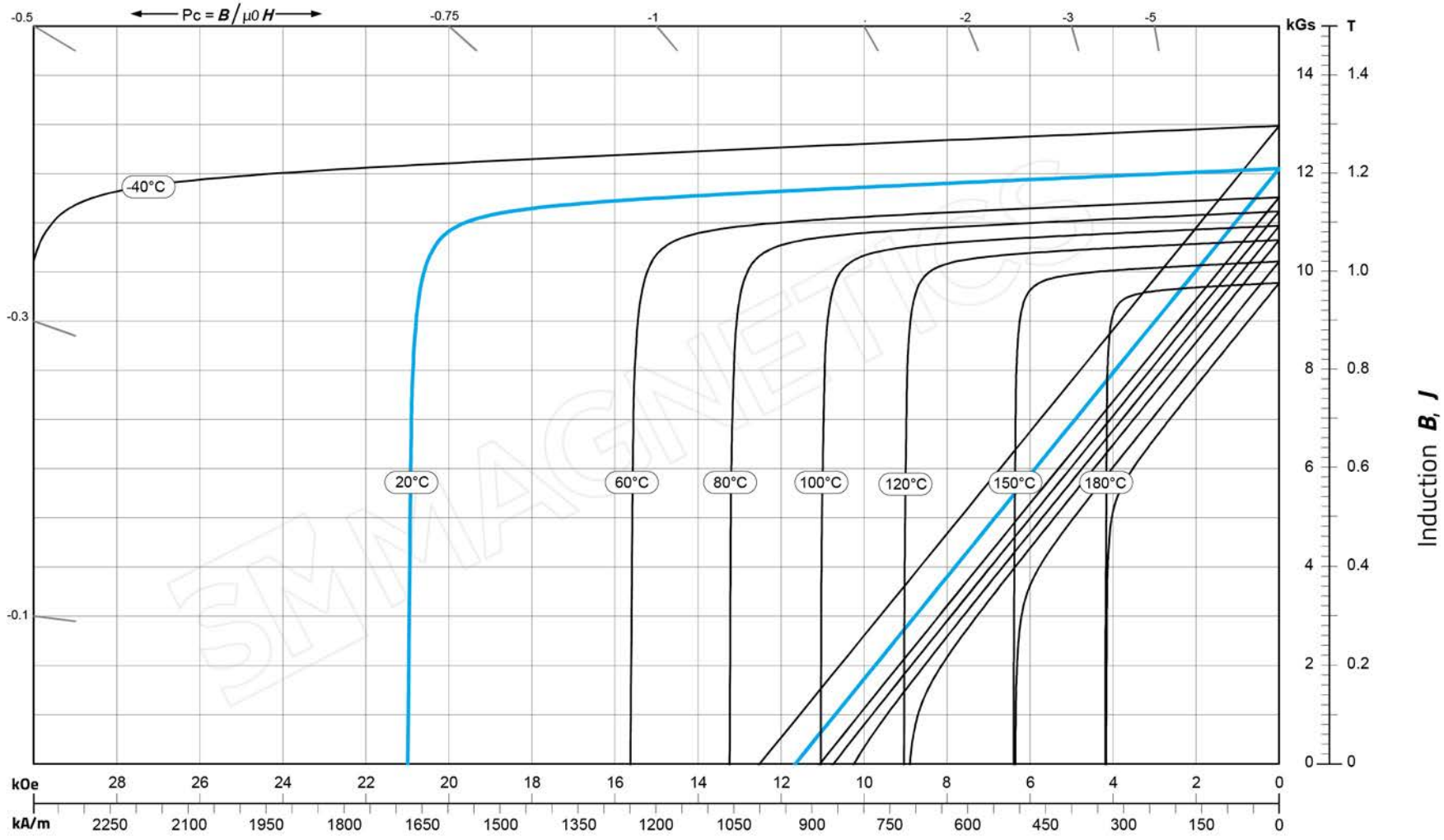
Magnetic Properties (20℃) :

N54H

B**r** (Remanence):	***H*****cB** (Normal Coercivity):	***H*****cJ** (Intrinsic Coercivity):	(***BH***)**max** (Max Energy Product):
14.5 - 14.9 kGs	≥ 13.3 kOe	≥ 16.0 kOe	51 - 55 MGOe
1.45 - 1.49 T	≥ 1059 kA/m	≥ 1273 kA/m	406 - 438 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

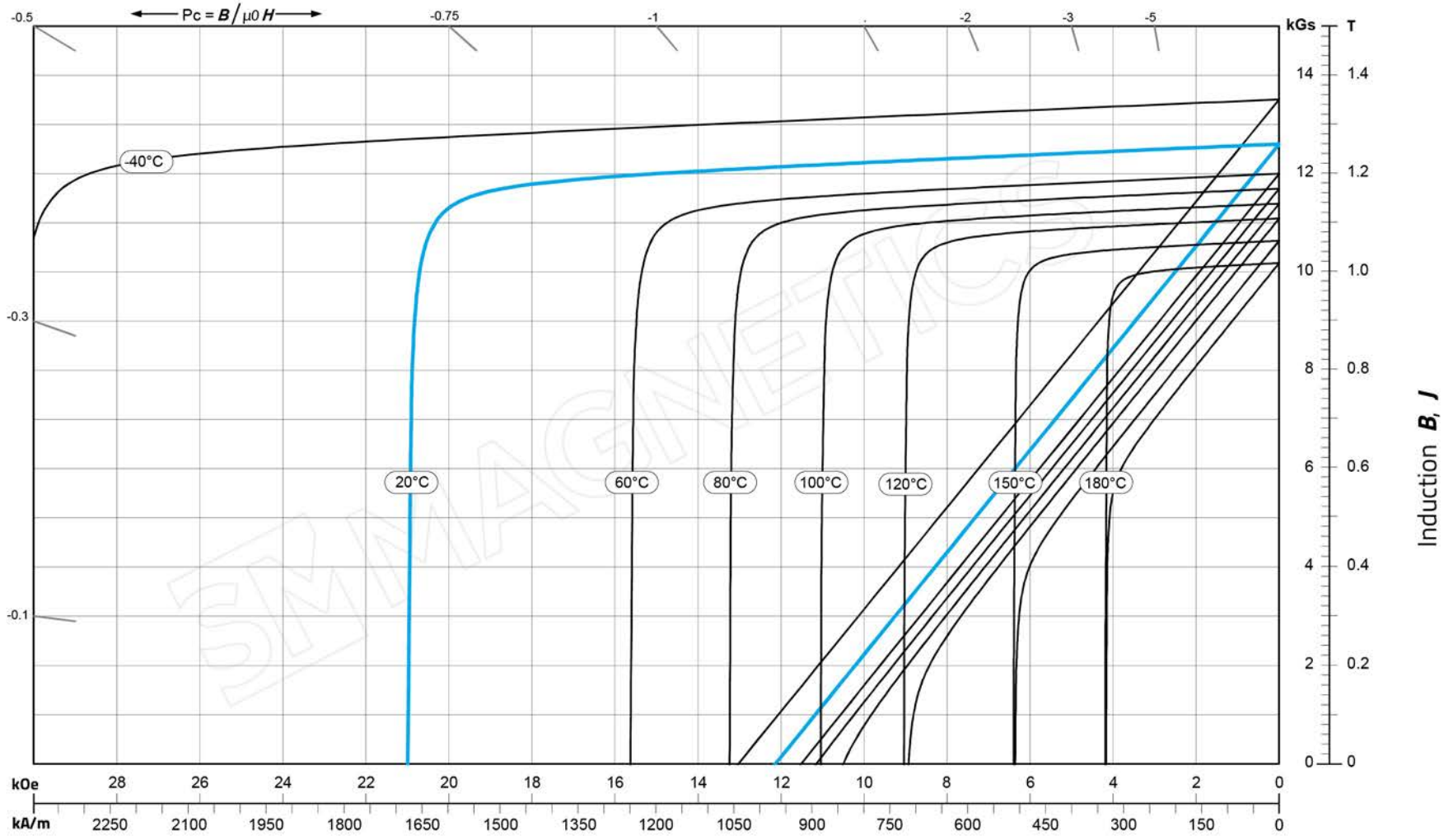
Magnetic Properties (20℃) :

N35SH

B**r** (Remanence):	***H*****cB** (Normal Coercivity):	***H*****cJ** (Intrinsic Coercivity):	(***BH***)**max** (Max Energy Product):
11.7 - 12.2 kGs	≥ 11.0 kOe	≥ 20.0 kOe	33 - 36 MGOe
1.17 - 1.22 T	≥ 876 kA/m	≥ 1592 kA/m	263 - 287 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

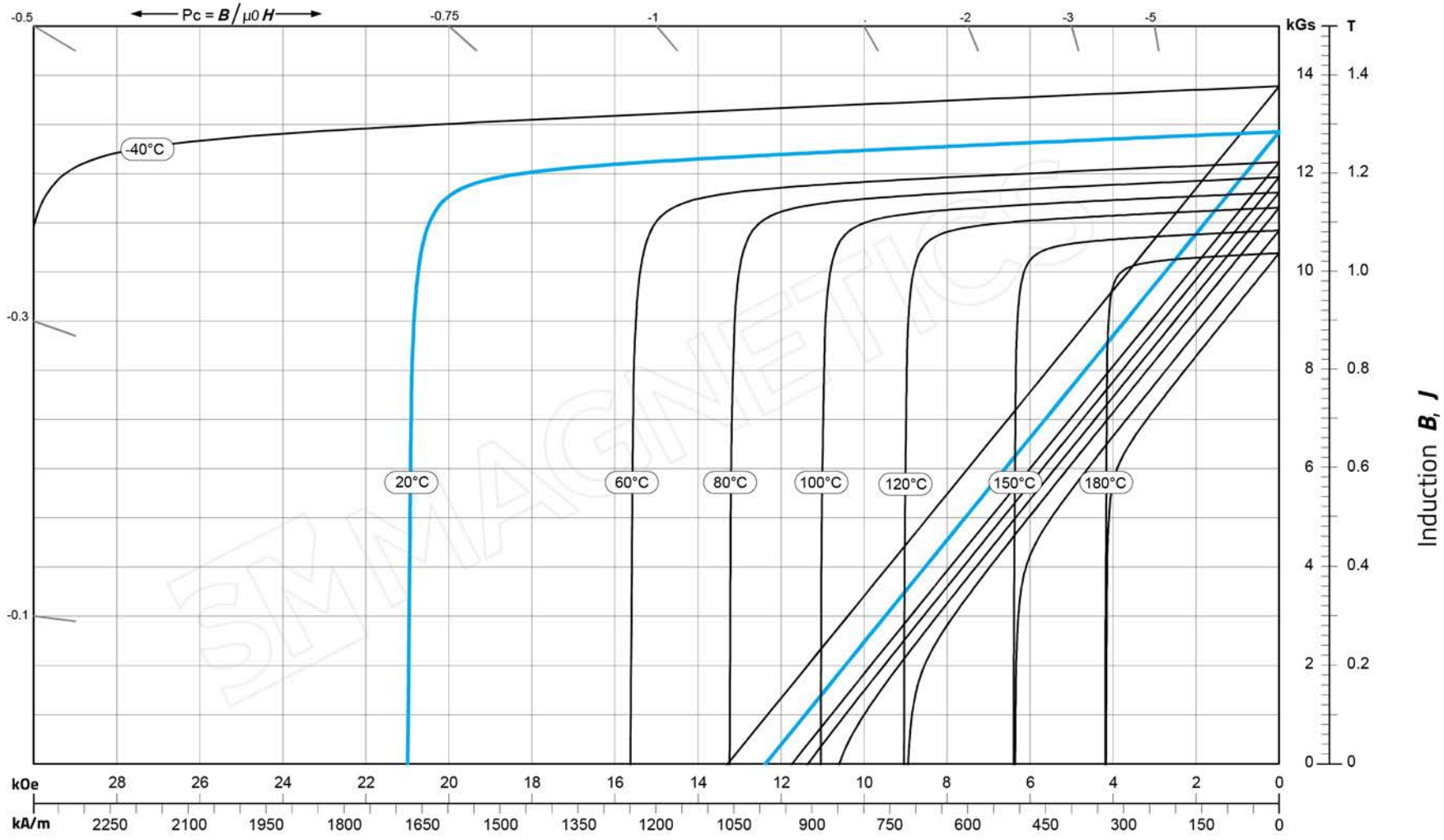
Magnetic Properties (20℃) :

N38SH

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
12.2 - 12.5 kGs	≥ 11.4 kOe	≥ 20.0 kOe	36 - 39 MGOe
1.22 - 1.25 T	≥ 907 kA/m	≥ 1592 kA/m	287 - 310 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

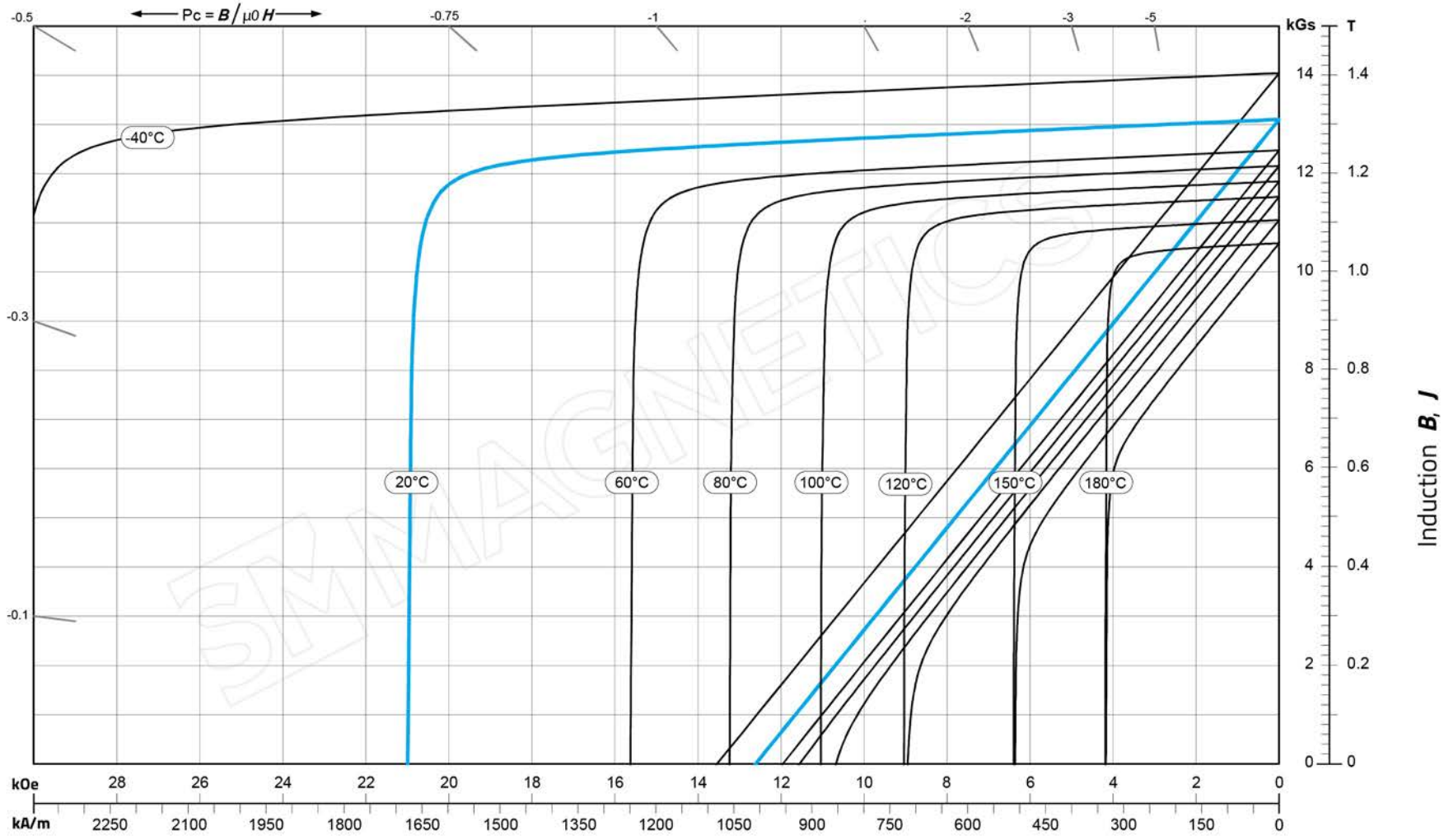
Magnetic Properties (20℃) :

N40SH

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
12.5 - 12.8 kGs	≥ 11.8 kOe	≥ 20.0 kOe	38 - 41 MGOe
1.25 - 1.28 T	≥ 939 kA/m	≥ 1592 kA/m	302 - 326 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

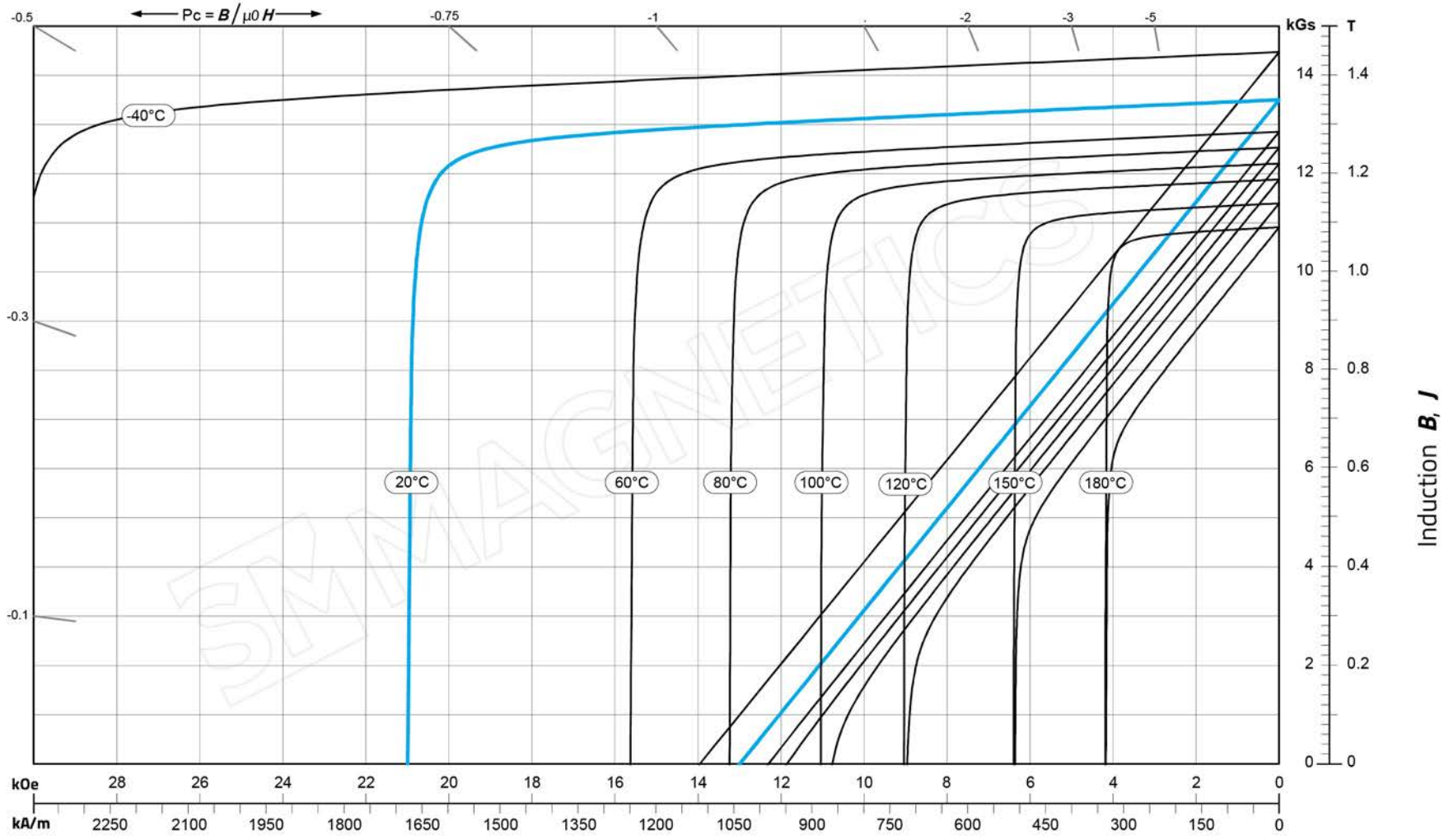
Magnetic Properties (20℃) :

N42SH

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
12.8 - 13.2 kGs	≥ 12.0 kOe	≥ 20.0 kOe	40 - 43 MGOe
1.28 - 1.32 T	≥ 955 kA/m	≥ 1592 kA/m	318 - 342 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

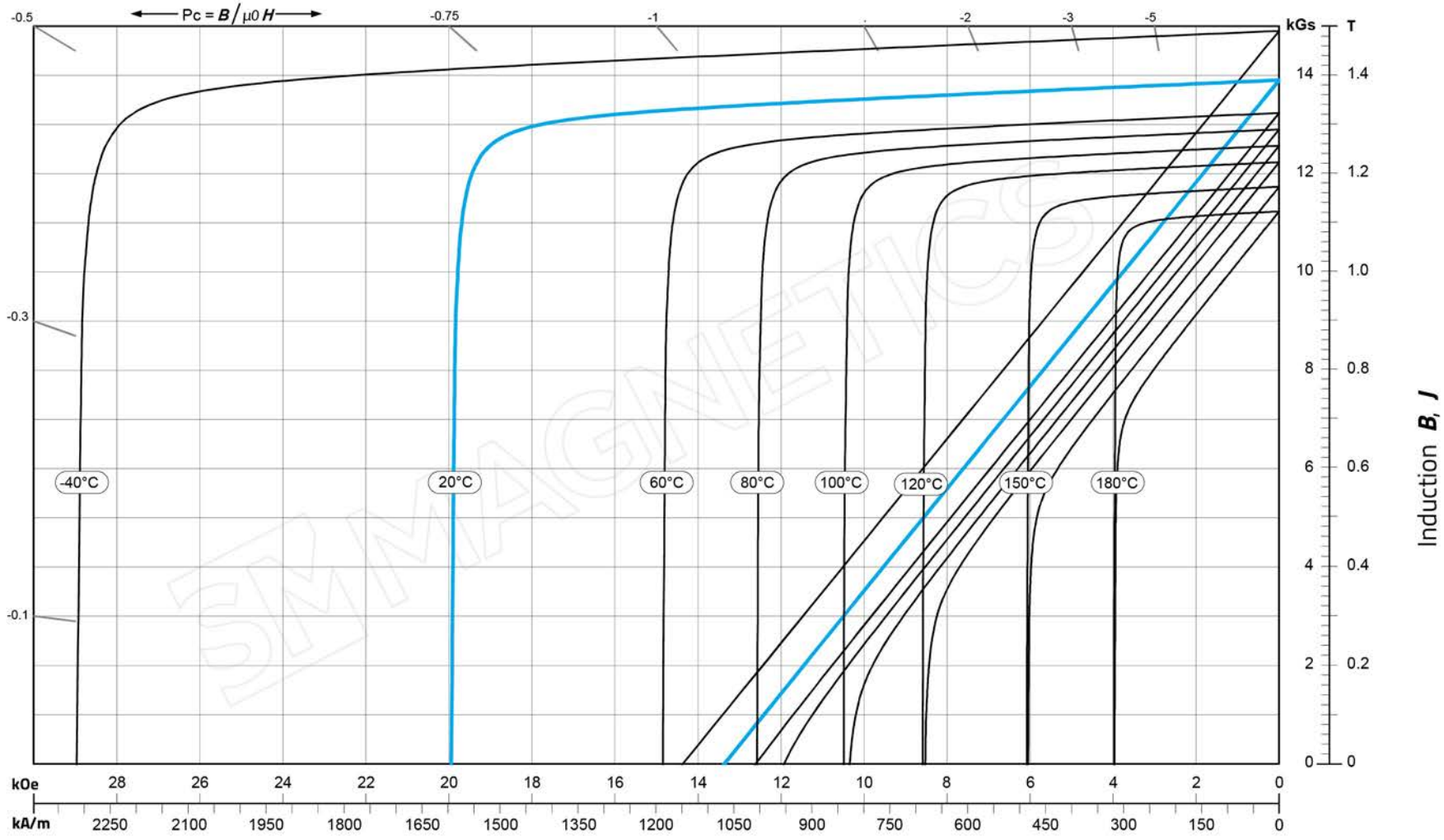
Magnetic Properties (20℃) :

N45SH

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
13.2 - 13.7 kGs	≥ 12.3 kOe	≥ 20.0 kOe	43 - 46 MGOe
1.32 - 1.37 T	≥ 979 kA/m	≥ 1592 kA/m	342 - 366 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

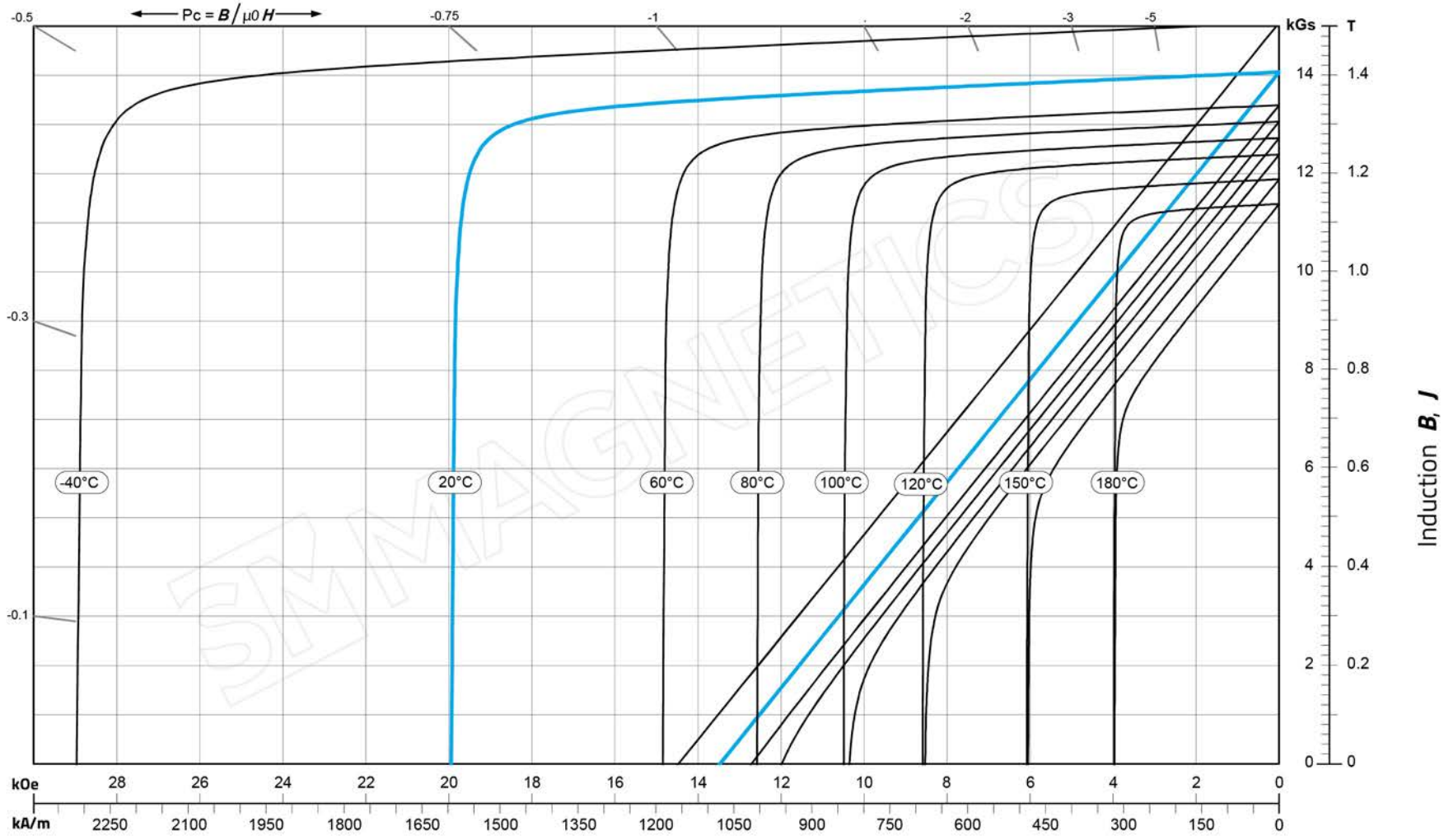
Magnetic Properties (20℃) :

N48SH

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
13.6 - 14.2 kGs	≥ 12.5 kOe	≥ 20.0 kOe	45 - 49 MGOe
1.36 - 1.42 T	≥ 995 kA/m	≥ 1592 kA/m	366 - 390 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

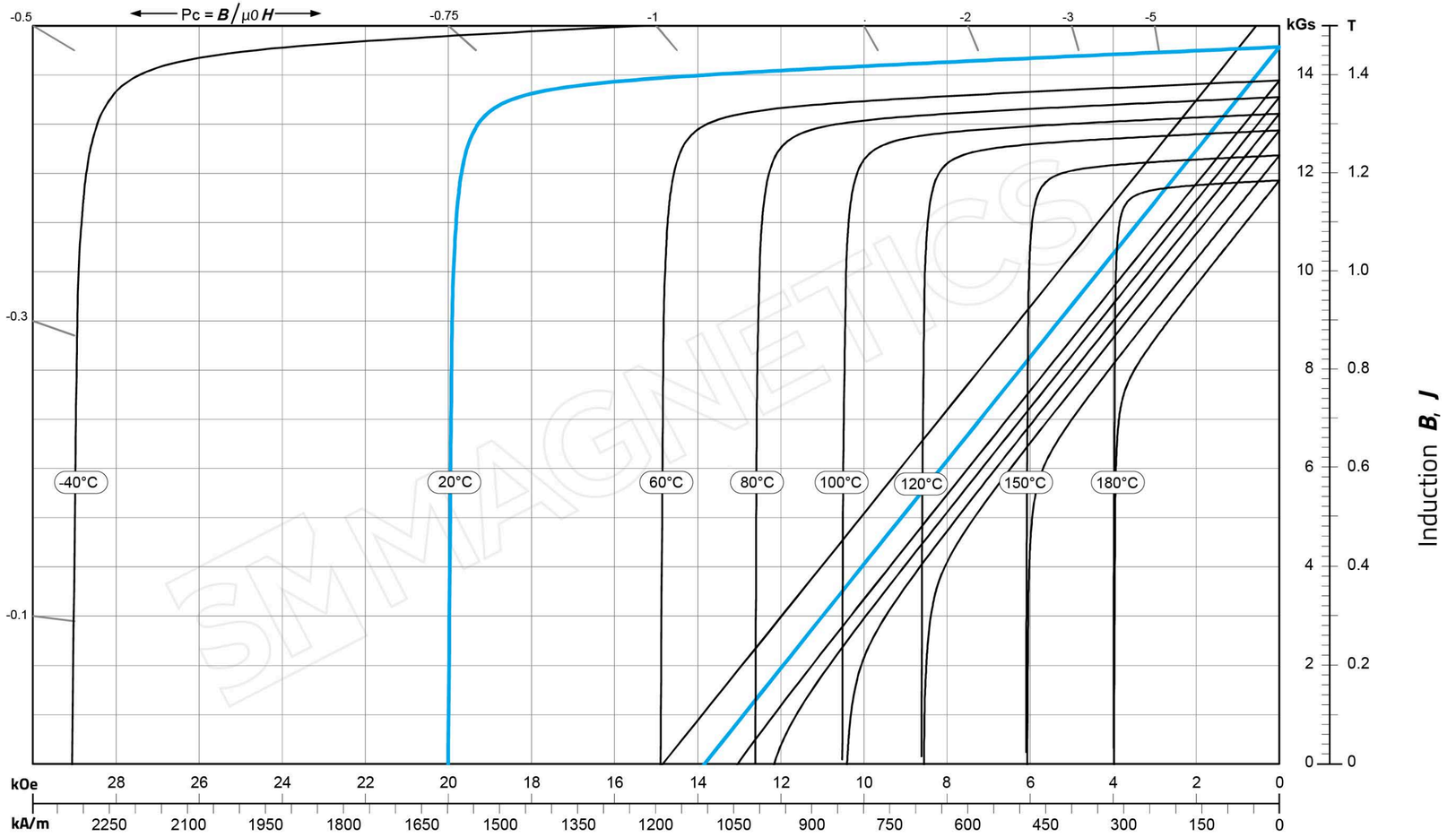
Magnetic Properties (20℃) :

N50SH

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
13.9 - 14.5 kGs	≥ 12.5 kOe	≥ 20.0 kOe	47 - 51 MGOe
1.39 - 1.45 T	≥ 995 kA/m	≥ 1592 kA/m	374 - 406 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, -***H***

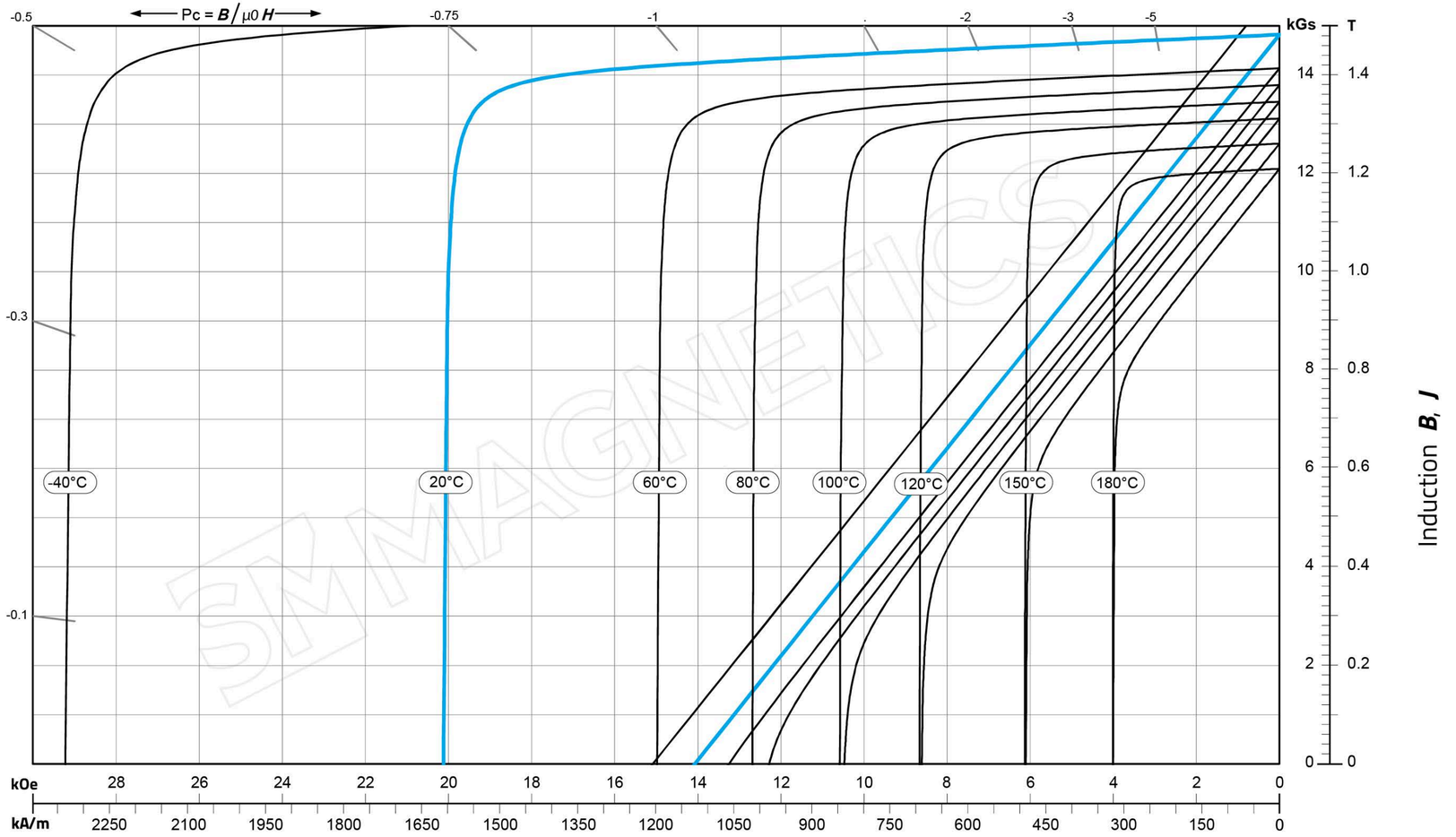
Magnetic Properties (20℃) :

N52SH

B**r** (Remanence):	***H*****cB** (Normal Coercivity):	***H*****cJ** (Intrinsic Coercivity):	(***BH***)**max** (Max Energy Product):
14.2 - 14.7 kGs	≥ 13.0 kOe	≥ 20.0 kOe	49 - 53 MGOe
1.42 - 1.47 T	≥ 1035 kA/m	≥ 1592 kA/m	390 - 422 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, -***H***

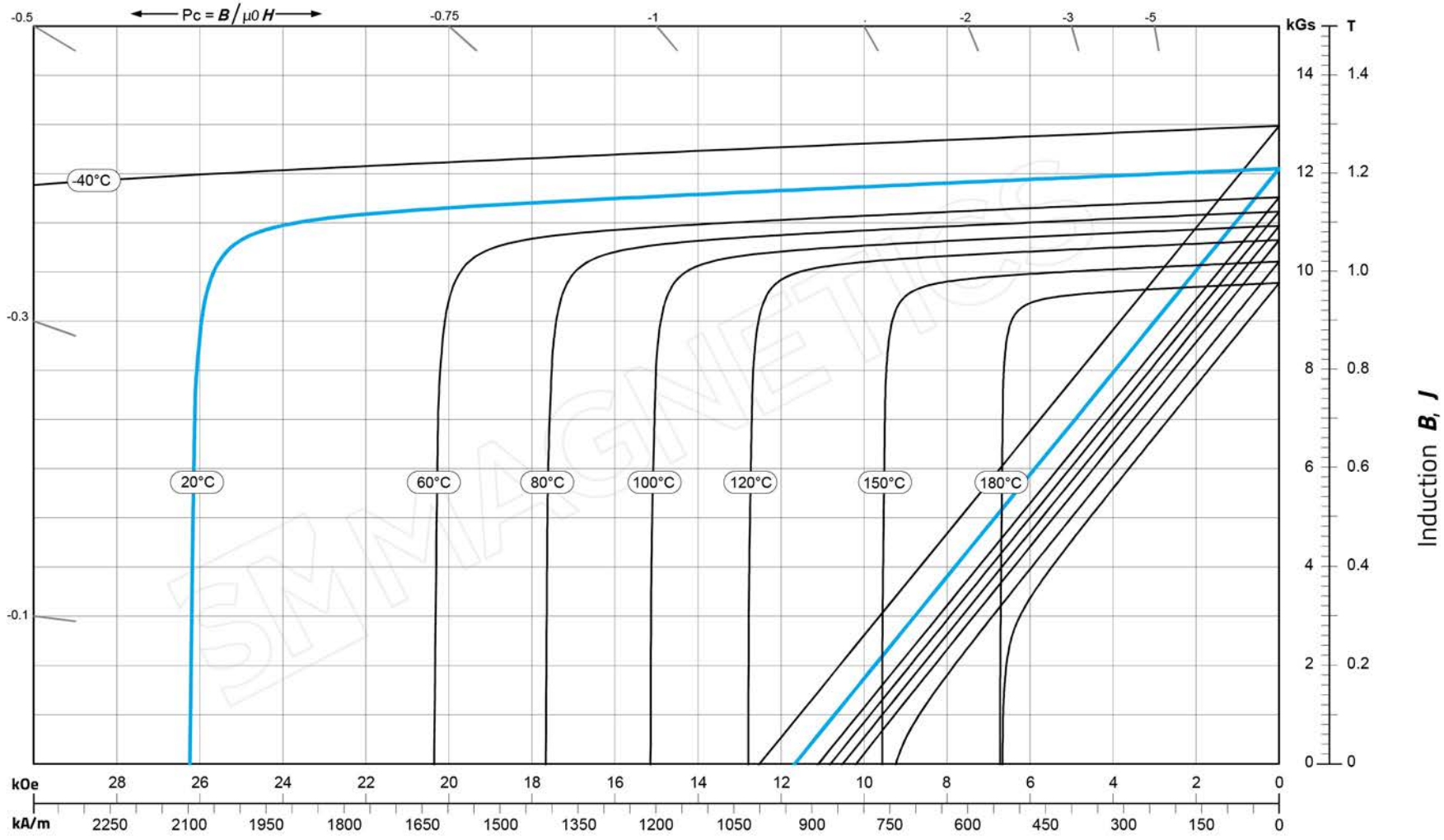
Magnetic Properties (20℃) :

N54SH

B**r** (Remanence):	***H*****cB** (Normal Coercivity):	***H*****cJ** (Intrinsic Coercivity):	(***BH***)**max** (Max Energy Product):
14.5 - 14.9 kGs	≥ 13.3 kOe	≥ 20.0 kOe	51 - 55 MGOe
1.45 - 1.49 T	≥ 1059 kA/m	≥ 1592 kA/m	406 - 438 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

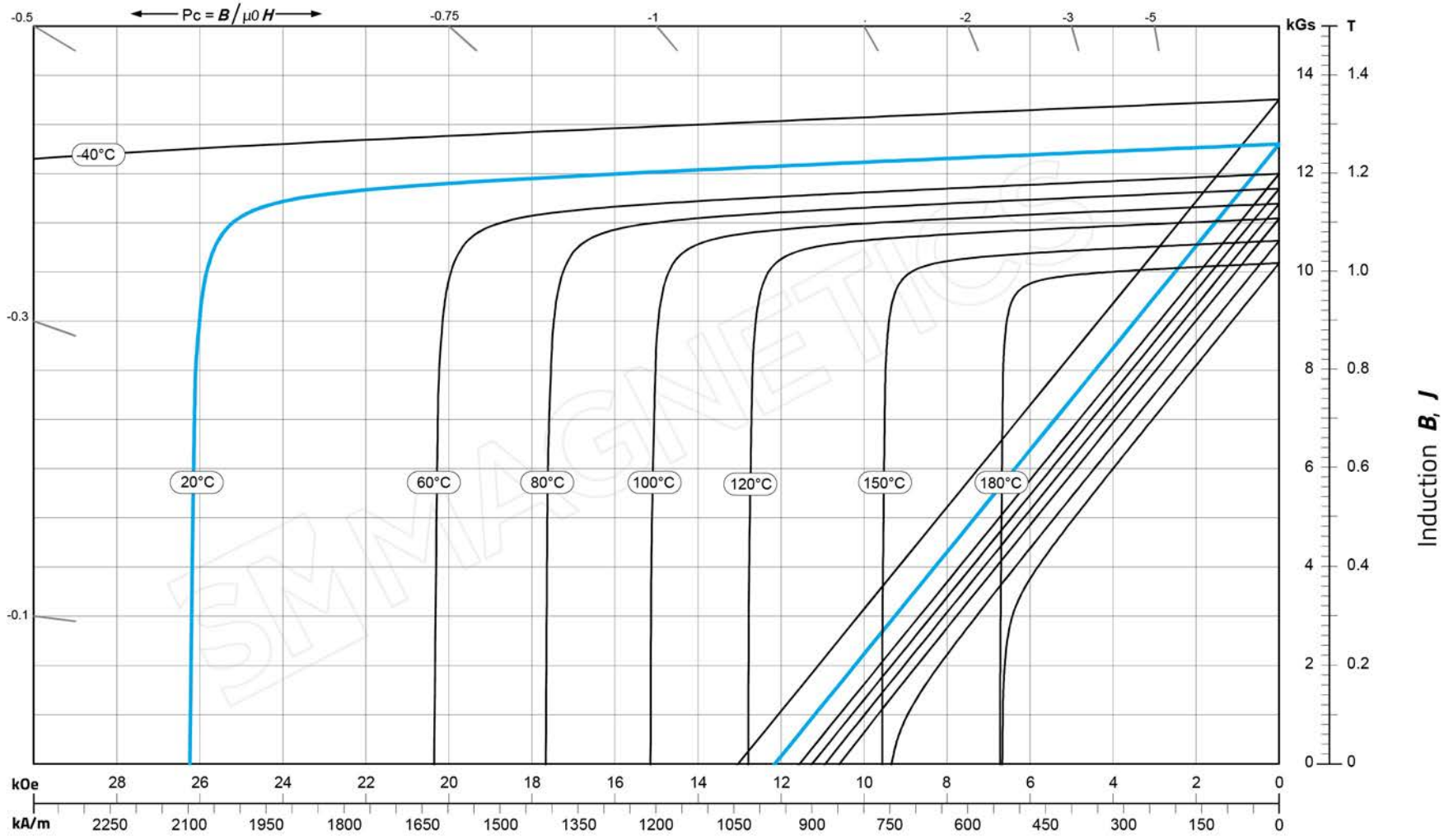
Magnetic Properties (20℃) :

N35UH

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
11.7 - 12.2 kGs	≥ 10.8 kOe	≥ 25.0 kOe	33 - 36 MGOe
1.17 - 1.22 T	≥ 860 kA/m	≥ 1990 kA/m	263 - 287 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

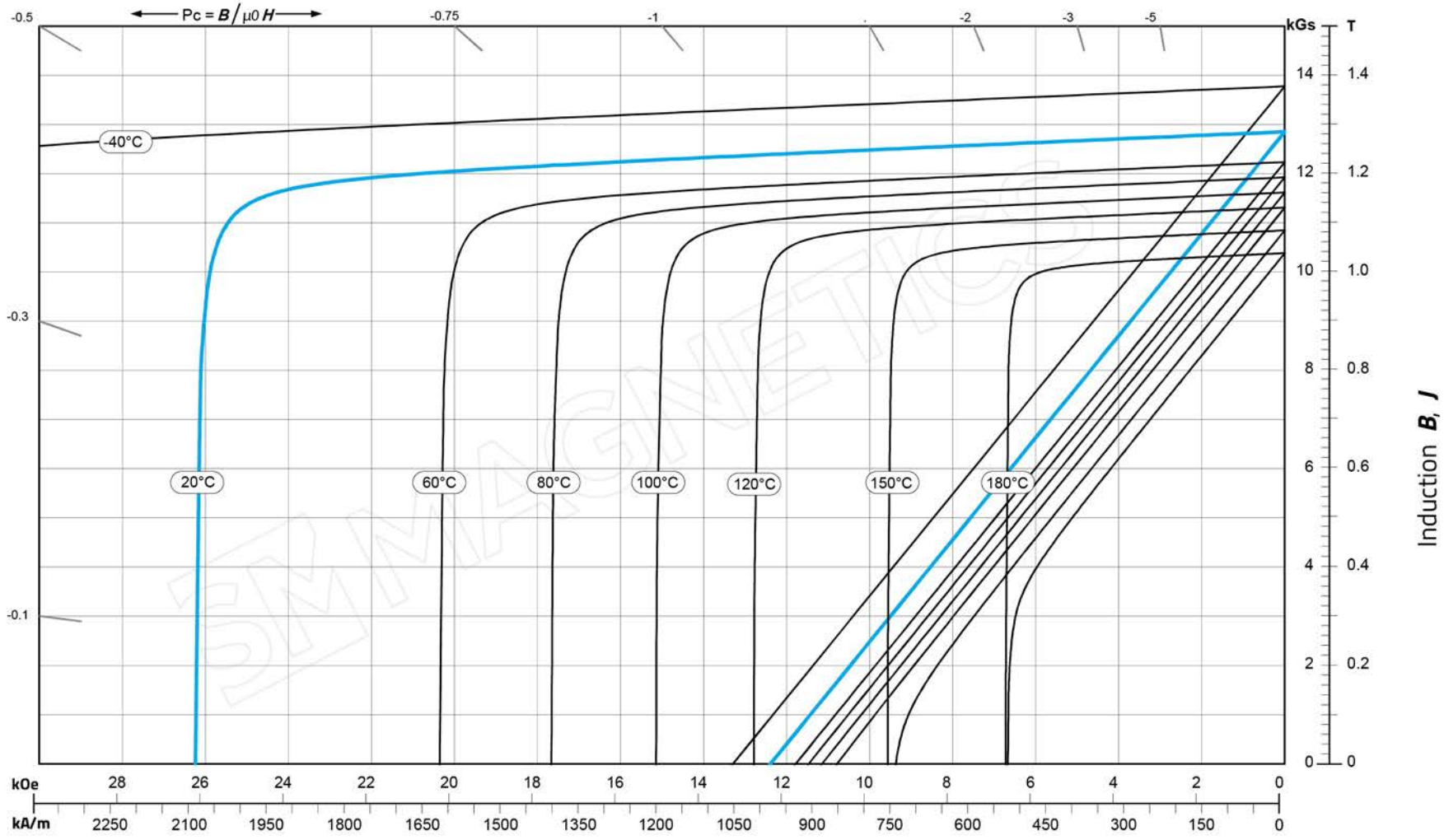
Magnetic Properties (20℃) :

N38UH

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
12.2 - 12.5 kGs	≥ 11.0 kOe	≥ 25.0 kOe	36 - 39 MGOe
1.22 - 1.25 T	≥ 876 kA/m	≥ 1990 kA/m	287 - 310 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

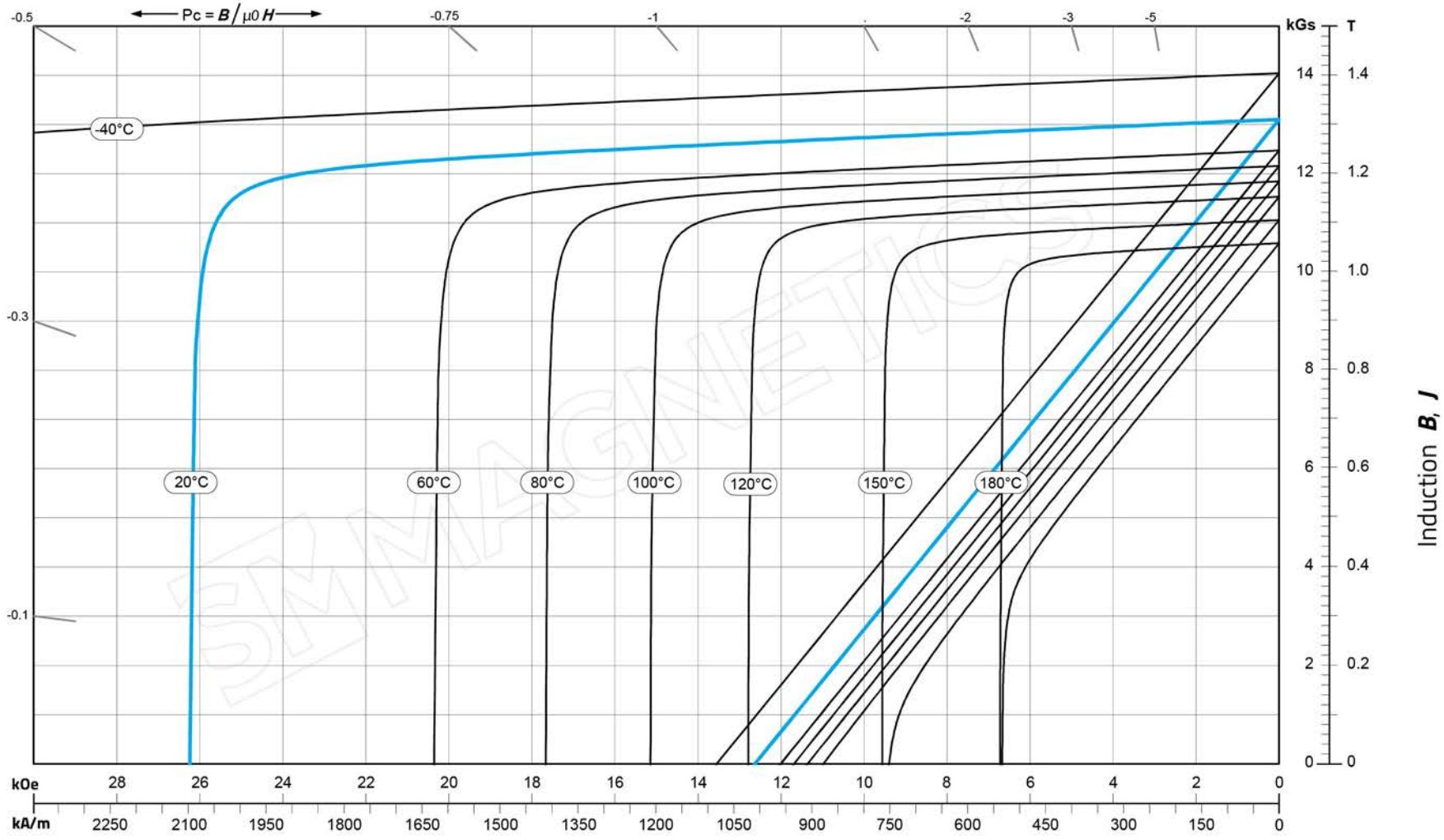
Magnetic Properties (20℃) :

N40UH

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
12.5 - 12.8 kGs	≥ 11.5 kOe	≥ 25.0 kOe	38 - 41 MGOe
1.25 - 1.28 T	≥ 915 kA/m	≥ 1990 kA/m	302 - 326 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

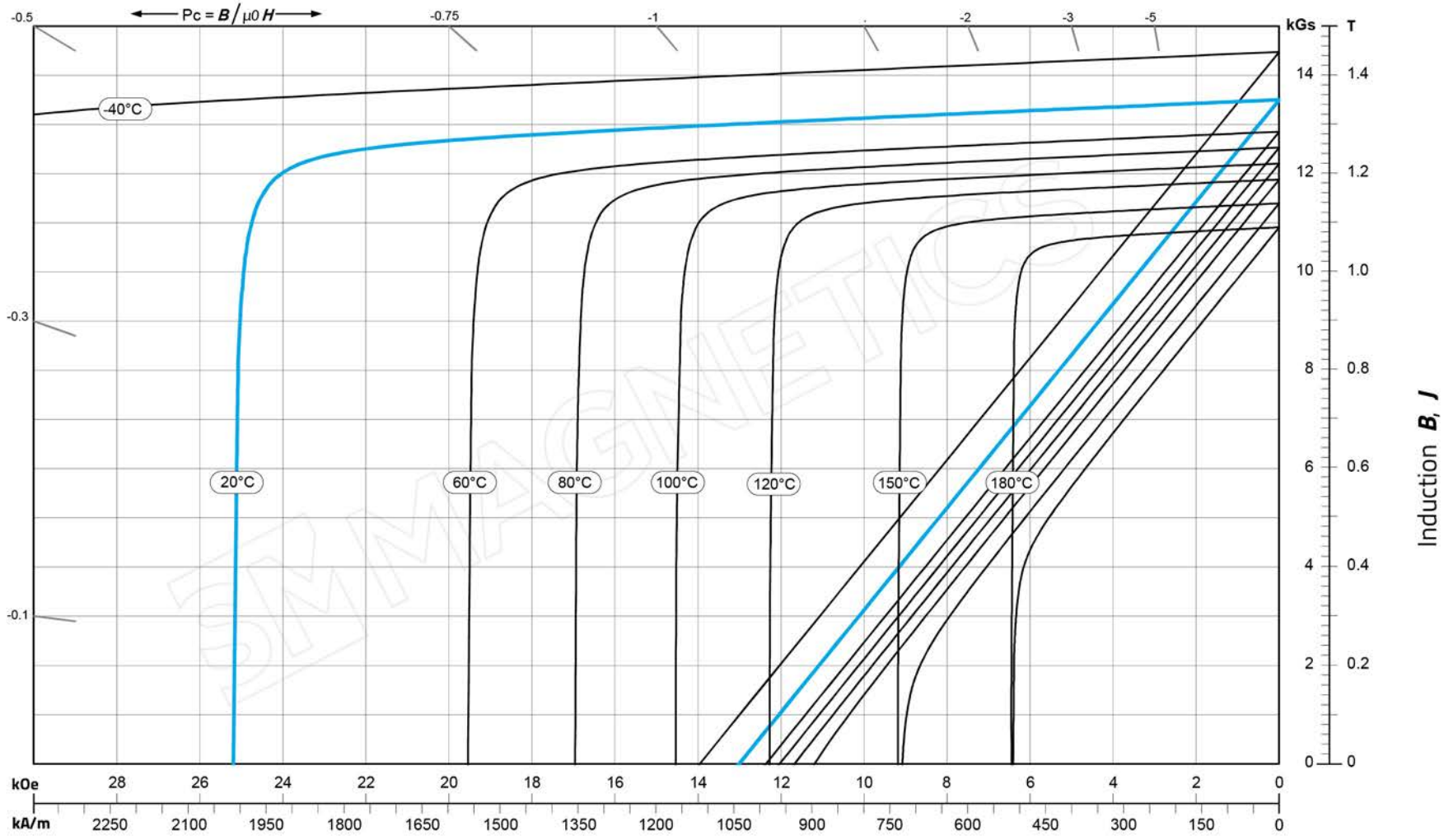
Magnetic Properties (20℃) :

N42UH

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
12.7 - 13.2 kGs	≥ 12.0 kOe	≥ 25.0 kOe	40 - 43 MGOe
1.27 - 1.32 T	≥ 955 kA/m	≥ 1990 kA/m	318 - 342 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

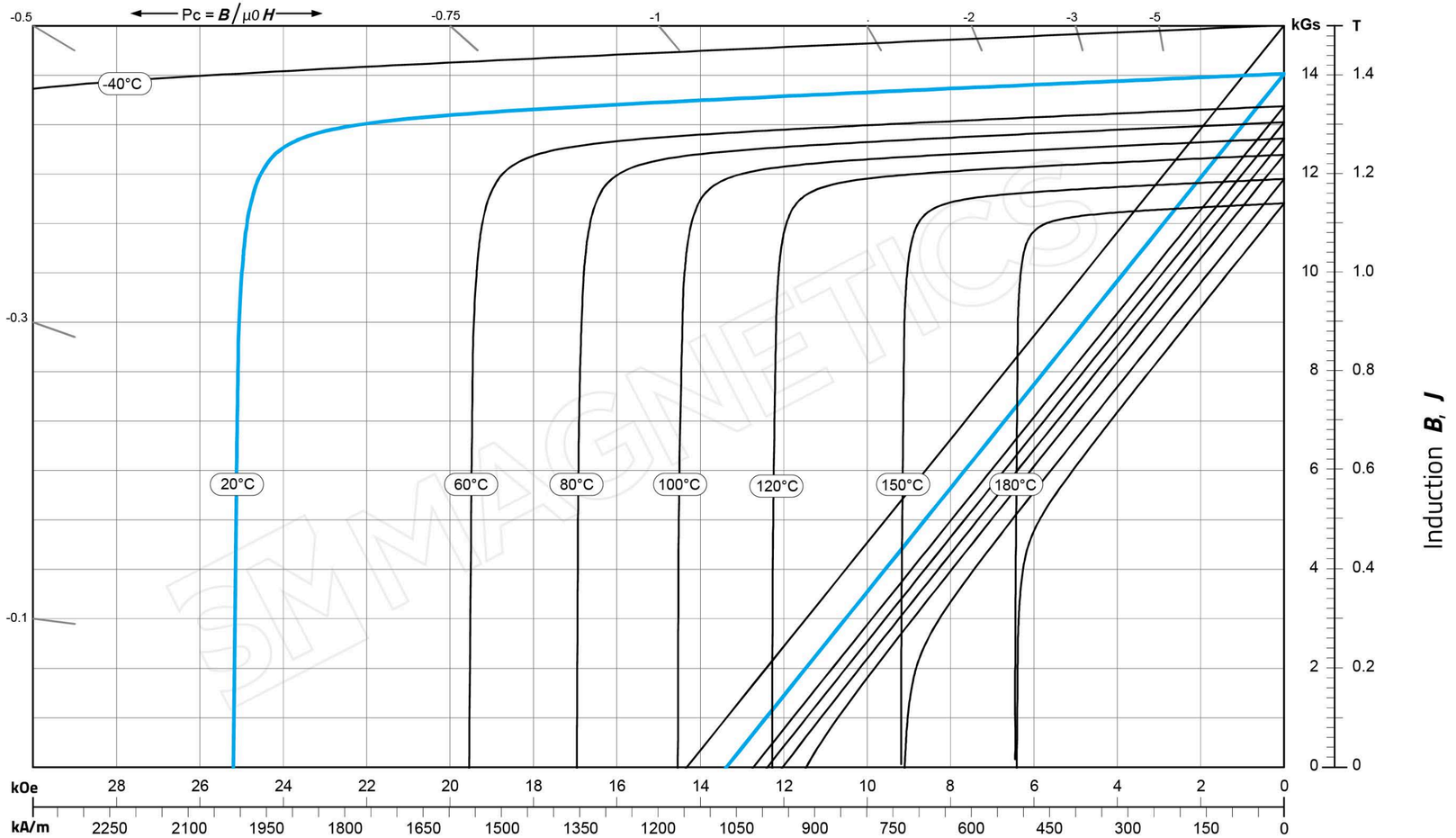
Magnetic Properties (20℃) :

N45UH

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
13.2 - 13.7 kGs	≥ 12.5 kOe	≥ 25.0 kOe	43 - 46 MGOe
1.32 - 1.37 T	≥ 995 kA/m	≥ 1990 kA/m	342 - 366 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, -***H***

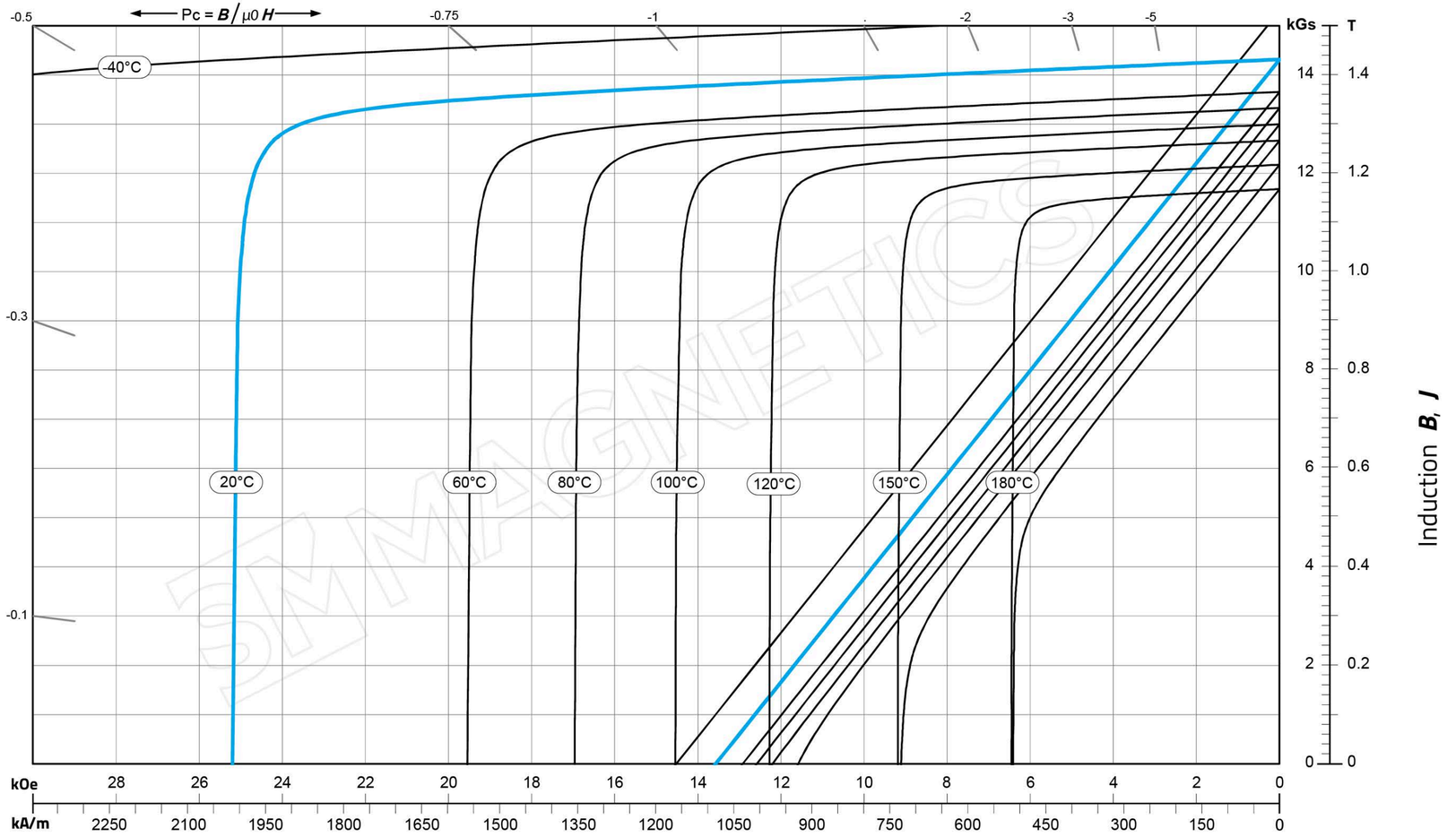
Magnetic Properties (20℃) :

N48UH

B**r** (Remanence):	***H*****cB** (Normal Coercivity):	***H*****cJ** (Intrinsic Coercivity):	(***BH***)**max** (Max Energy Product):
13.8 - 14.2 kGs	≥ 12.9 kOe	≥ 25.0 kOe	46 - 49 MGOe
1.38 - 1.42 T	≥ 1031 kA/m	≥ 1990 kA/m	366 - 390 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, -***H***

Magnetic Properties (20℃) :

N50UH

B$_r$ (Remanence):
13.9 - 14.4 kGs
1.39 - 1.44 T

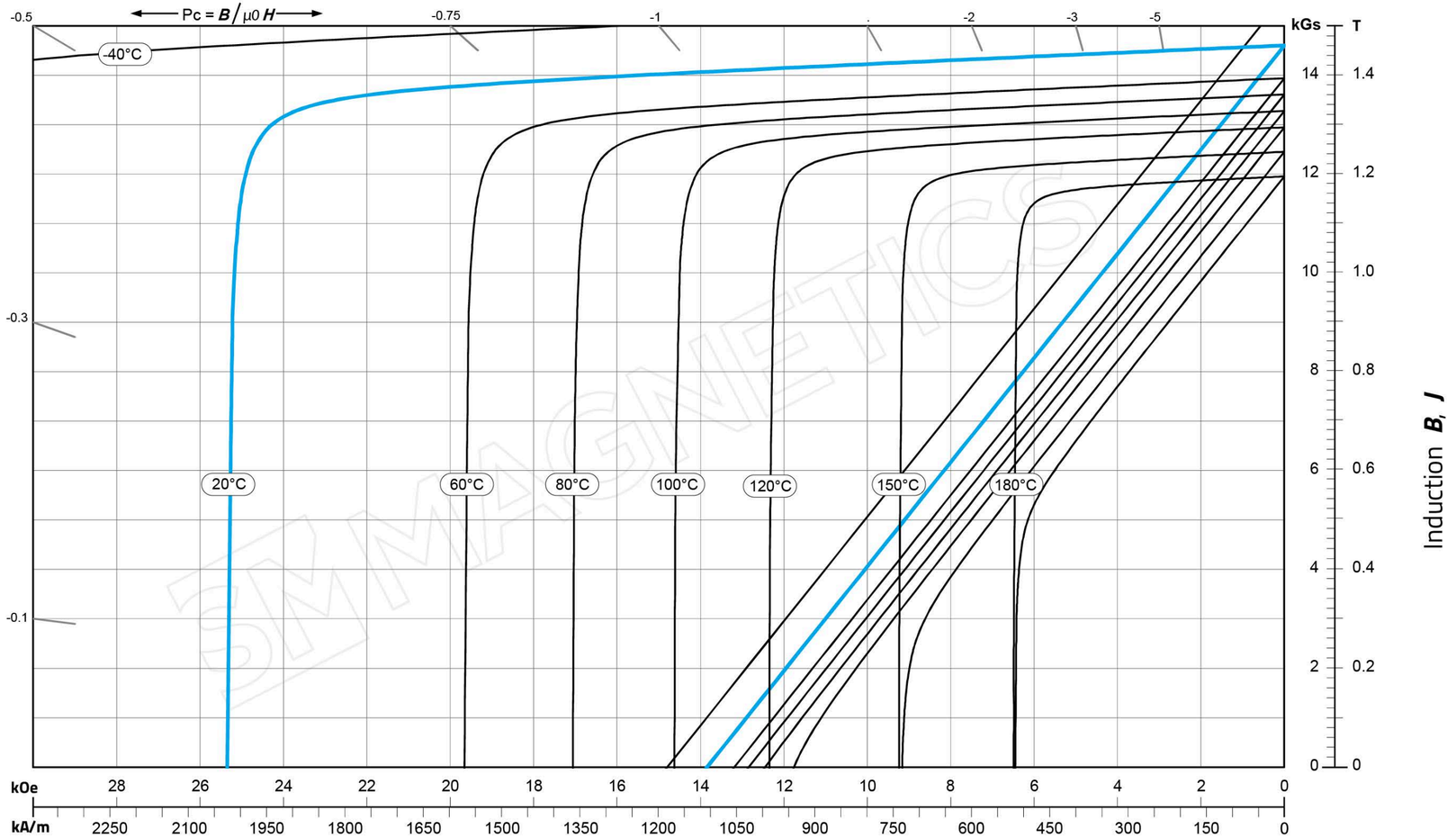
H$_{cB}$ (Normal Coercivity):
≥ 13.0 kOe
≥ 1035 kA/m

H$_{cJ}$ (Intrinsic Coercivity):
≥ 25.0 kOe
≥ 1990 kA/m

(***BH***)$_{max}$ (Max Energy Product):
47 - 51 MGOe
374 - 406 kJ/m^3

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, -***H***

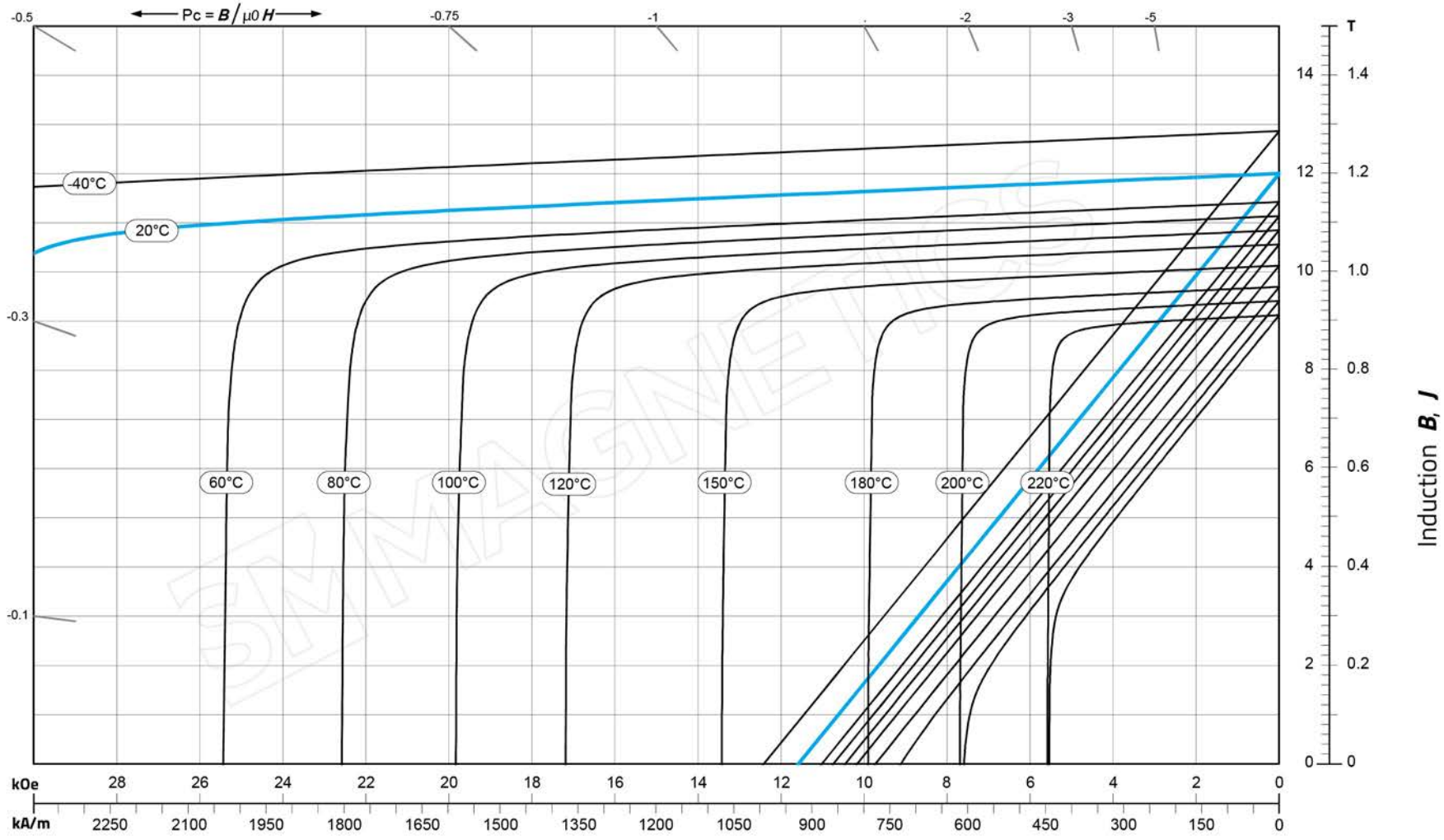
Magnetic Properties (20℃) :

N52UH

B**r** (Remanence):	***H*****cB** (Normal Coercivity):	***H*****cJ** (Intrinsic Coercivity):	(***BH***)**max** (Max Energy Product):
14.2 - 14.7 kGs	≥ 13.0 kOe	≥ 25.0 kOe	49 - 53 MGOe
1.42 - 1.47 T	≥ 1035 kA/m	≥ 1990 kA/m	390 - 422 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

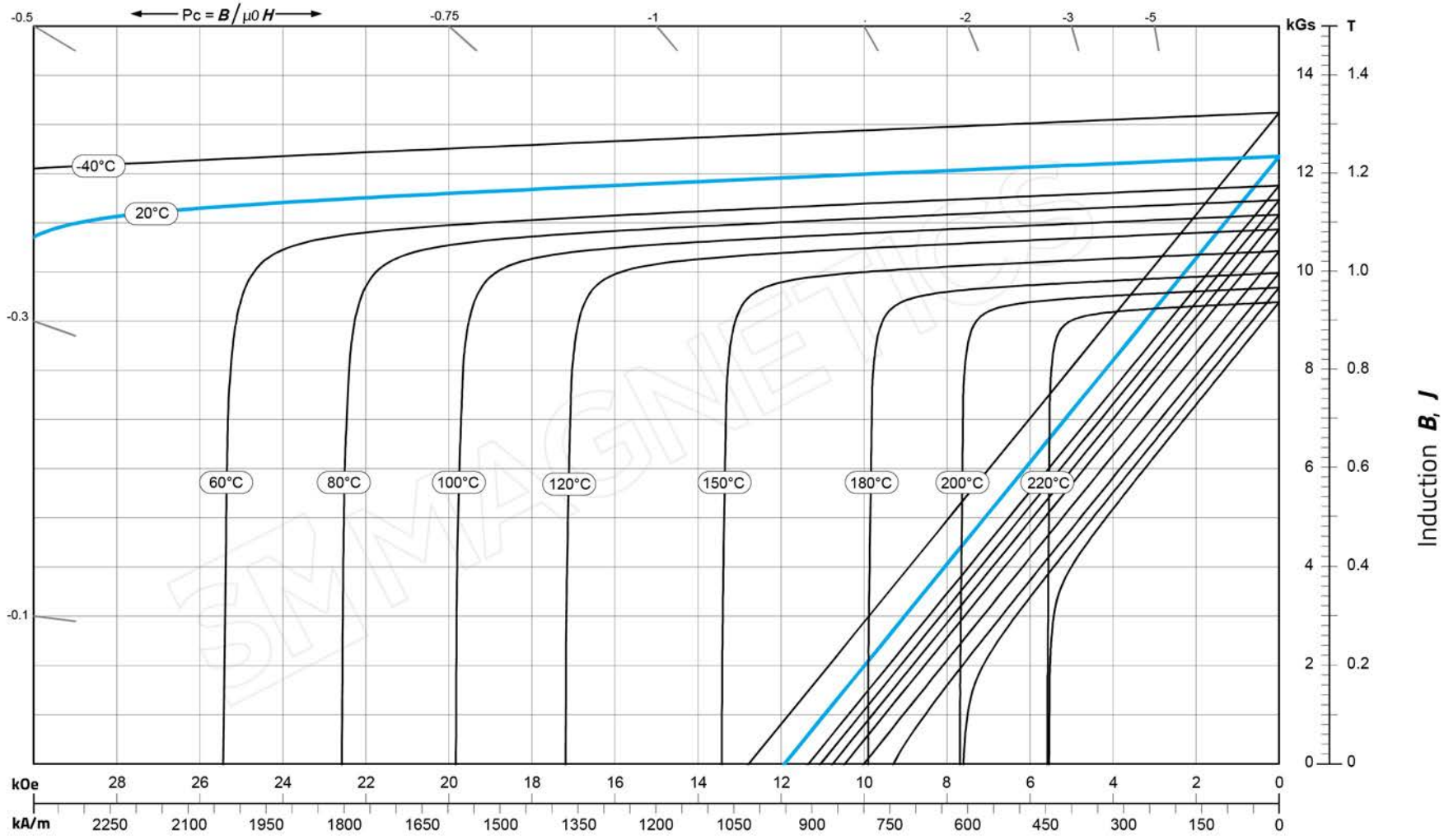
Magnetic Properties (20℃) :

N35EH

B**r** (Remanence):	***H*****cB** (Normal Coercivity):	***H*****cJ** (Intrinsic Coercivity):	(***BH***)**max** (Max Energy Product):
11.7 - 12.2 kGs	≥ 10.5 kOe	≥ 30.0 kOe	33 - 36 MGOe
1.17 - 1.22 T	≥ 836 kA/m	≥ 2388 kA/m	263 - 287 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

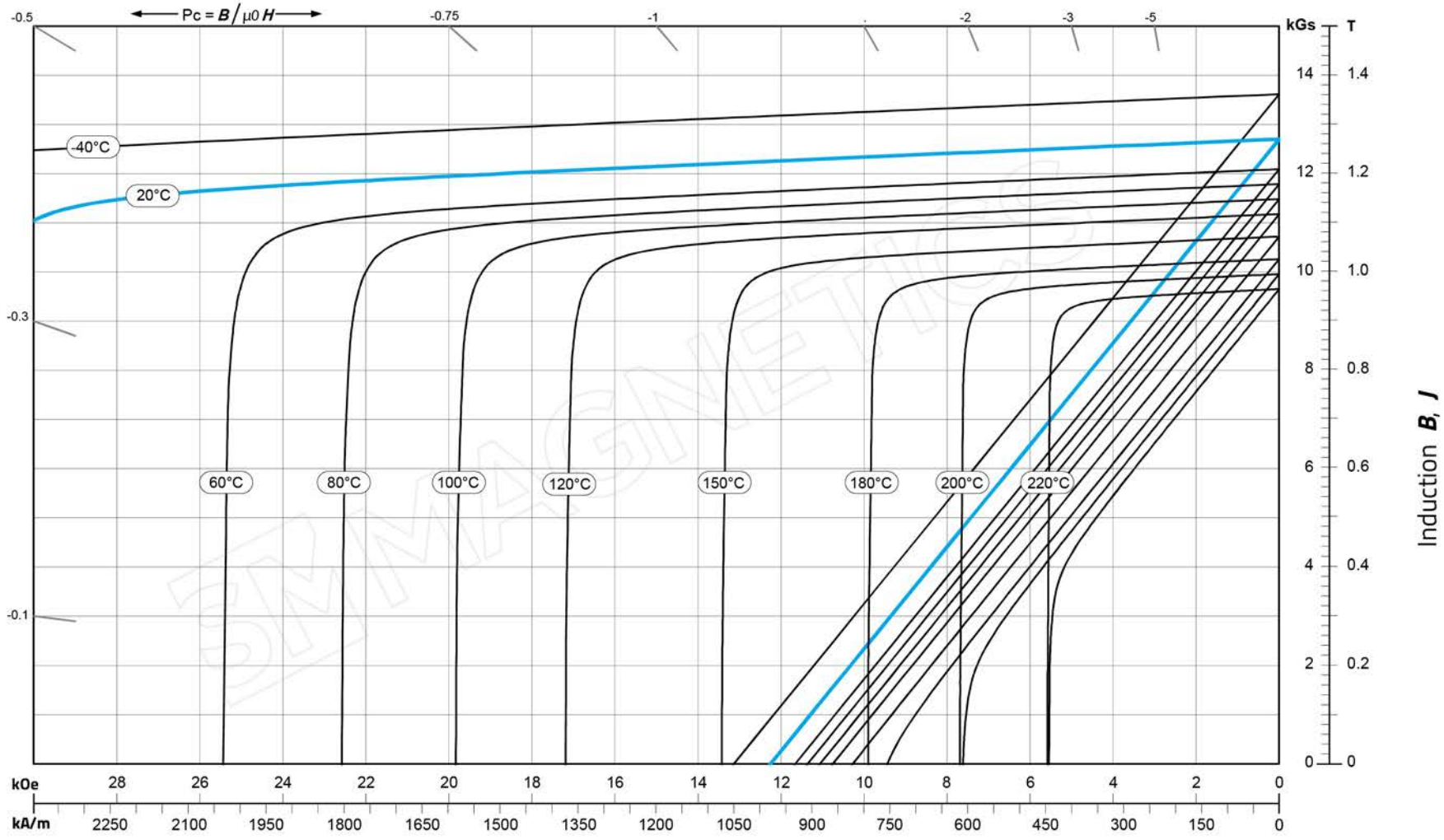
Magnetic Properties (20℃) :

N38EH

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
12.0 - 12.5 kGs	≥ 11.3 kOe	≥ 30.0 kOe	36 - 39 MGOe
1.20 - 1.25 T	≥ 899 kA/m	≥ 2388 kA/m	287 - 310 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

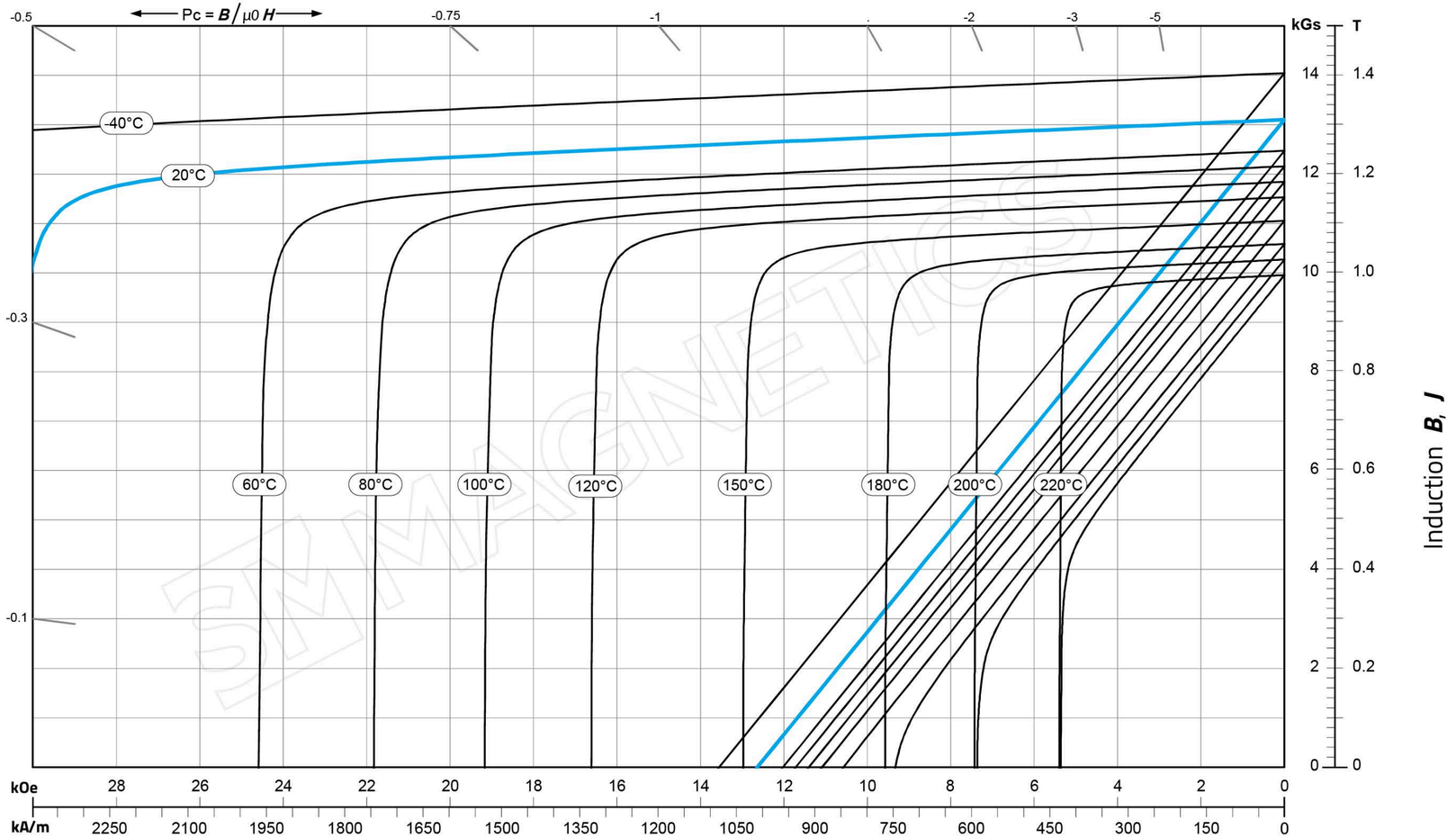
Magnetic Properties (20℃) :

N40EH

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
12.5 - 12.8 kGs	≥ 11.5 kOe	≥ 30.0 kOe	38 - 41 MGOe
1.25 - 1.28 T	≥ 915 kA/m	≥ 2388 kA/m	302 - 326 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, -***H***

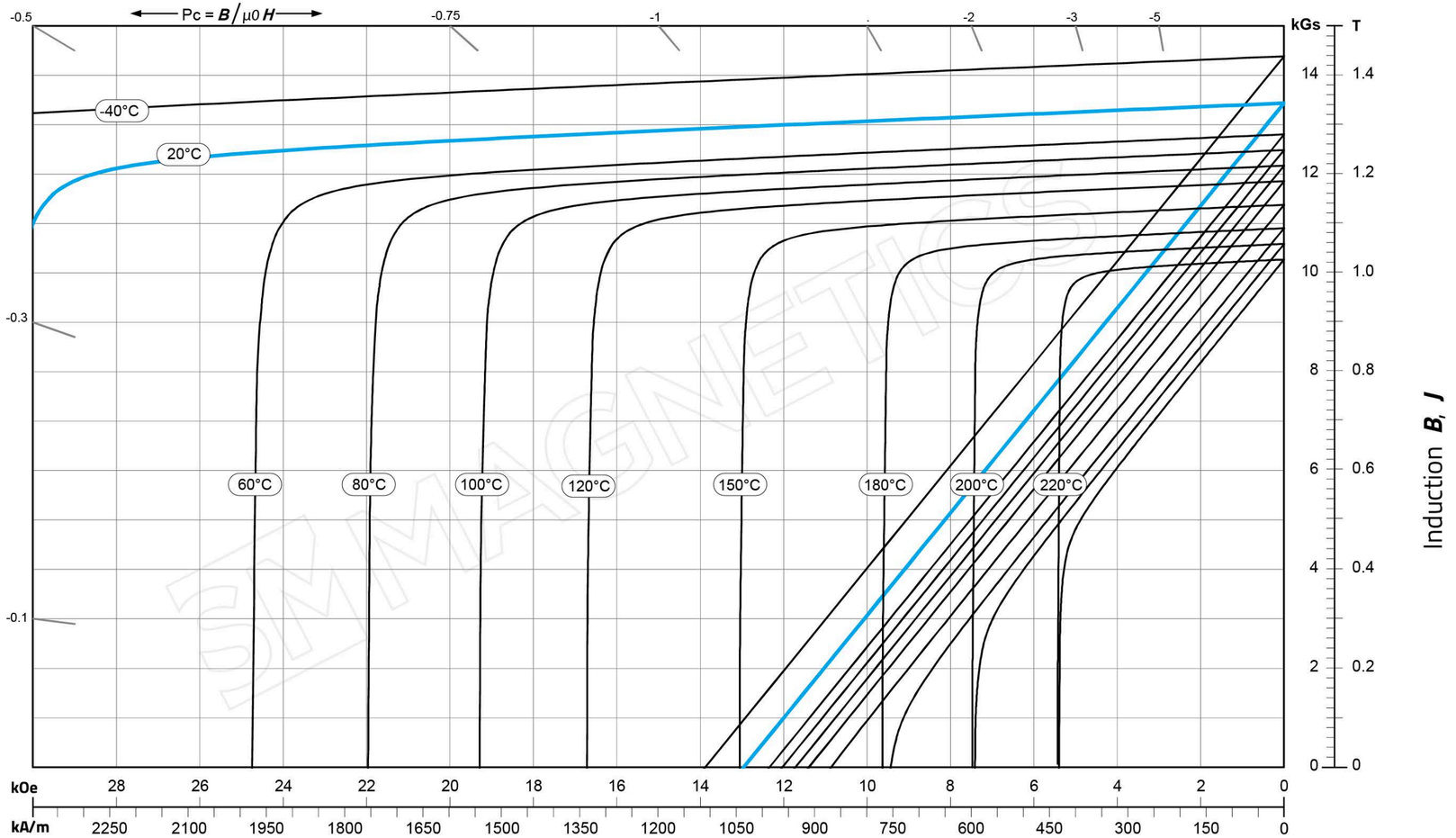
Magnetic Properties (20℃) :

N42EH

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
12.8 - 13.2kGs	≥ 12.2 kOe	≥ 30.0 kOe	40 - 43 MGOe
1.28 - 1.32 T	≥ 970 kA/m	≥ 2388 kA/m	318 - 342 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, -***H***

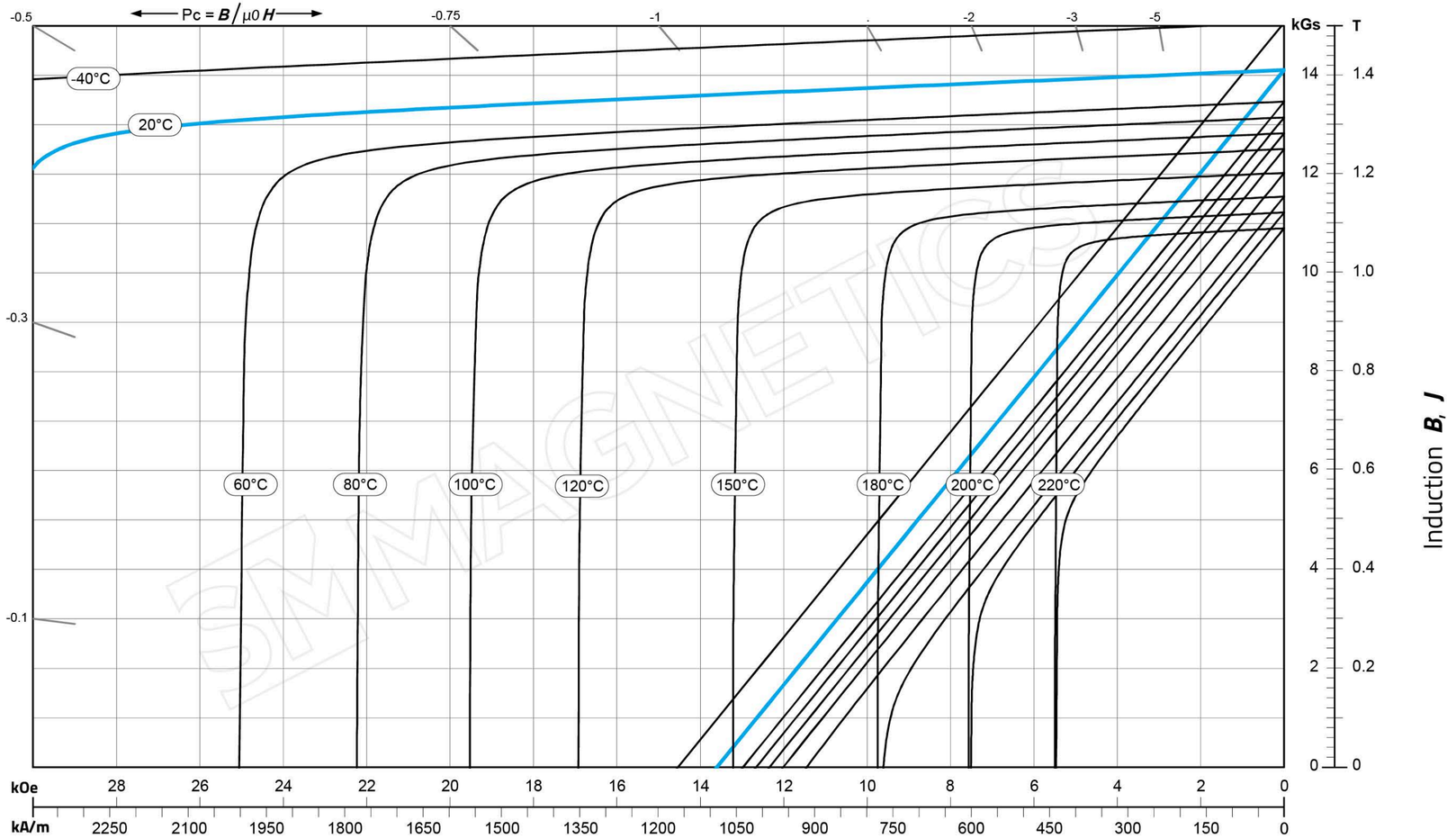
Magnetic Properties (20℃) :

N45EH

B**r** (Remanence):	***H*****cB** (Normal Coercivity):	***H*****cJ** (Intrinsic Coercivity):	(***BH***)**max** (Max Energy Product):
13.2 - 13.6 kGs	≥ 12.6 kOe	≥ 30.0 kOe	43 - 46 MGOe
1.32 - 1.36 T	≥ 1003 kA/m	≥ 2388 kA/m	342 - 366 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, -***H***

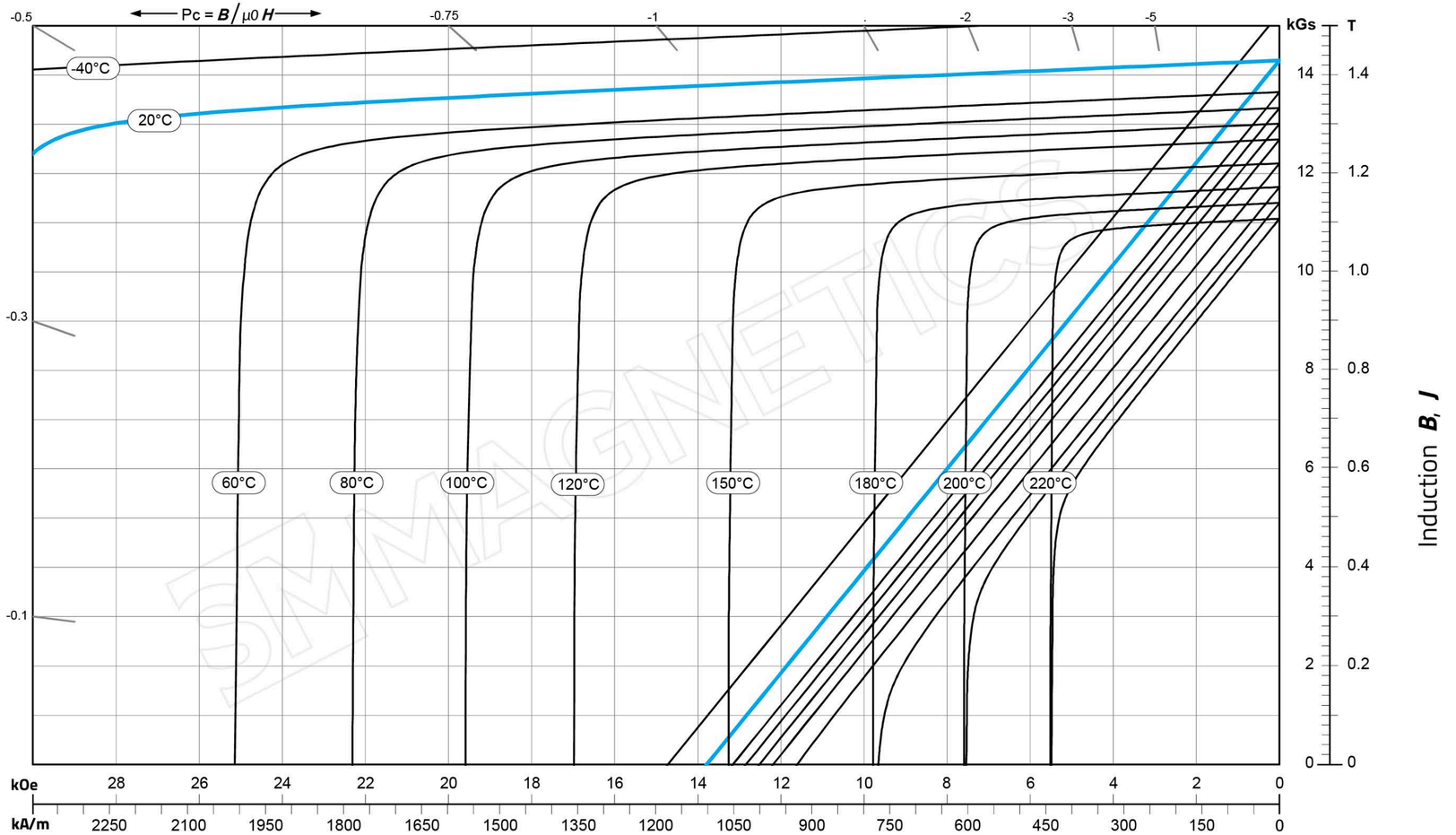
Magnetic Properties (20℃) :

N48EH

B**r** (Remanence):	***H*****cB** (Normal Coercivity):	***H*****cJ** (Intrinsic Coercivity):	(***BH***)**max** (Max Energy Product):
13.8 - 14.2kGs	≥ 12.9 kOe	≥ 30.0 kOe	46 - 49 MGOe
1.38 - 1.42 T	≥ 1031 kA/m	≥ 2388 kA/m	366 - 390 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, -***H***

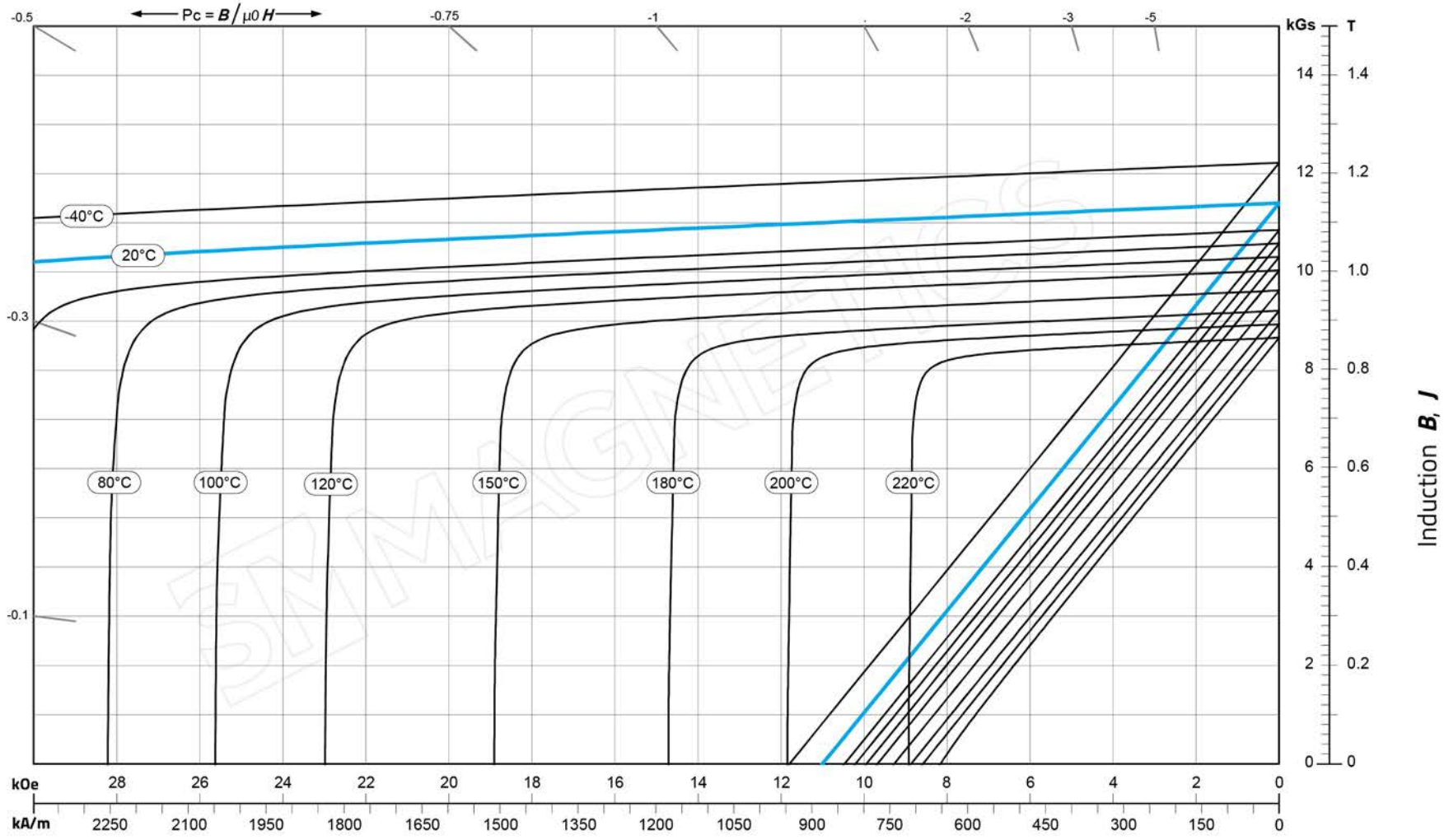
Magnetic Properties (20℃) :

N50EH

B**r** (Remanence):	***H*****cB** (Normal Coercivity):	***H*****cJ** (Intrinsic Coercivity):	(***BH***)**max** (Max Energy Product):
13.9 - 14.4kGs	≥ 13.0 kOe	≥ 30.0 kOe	47 - 51 MGOe
1.39 - 1.44 T	≥ 1035 kA/m	≥ 2388 kA/m	374 - 406 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

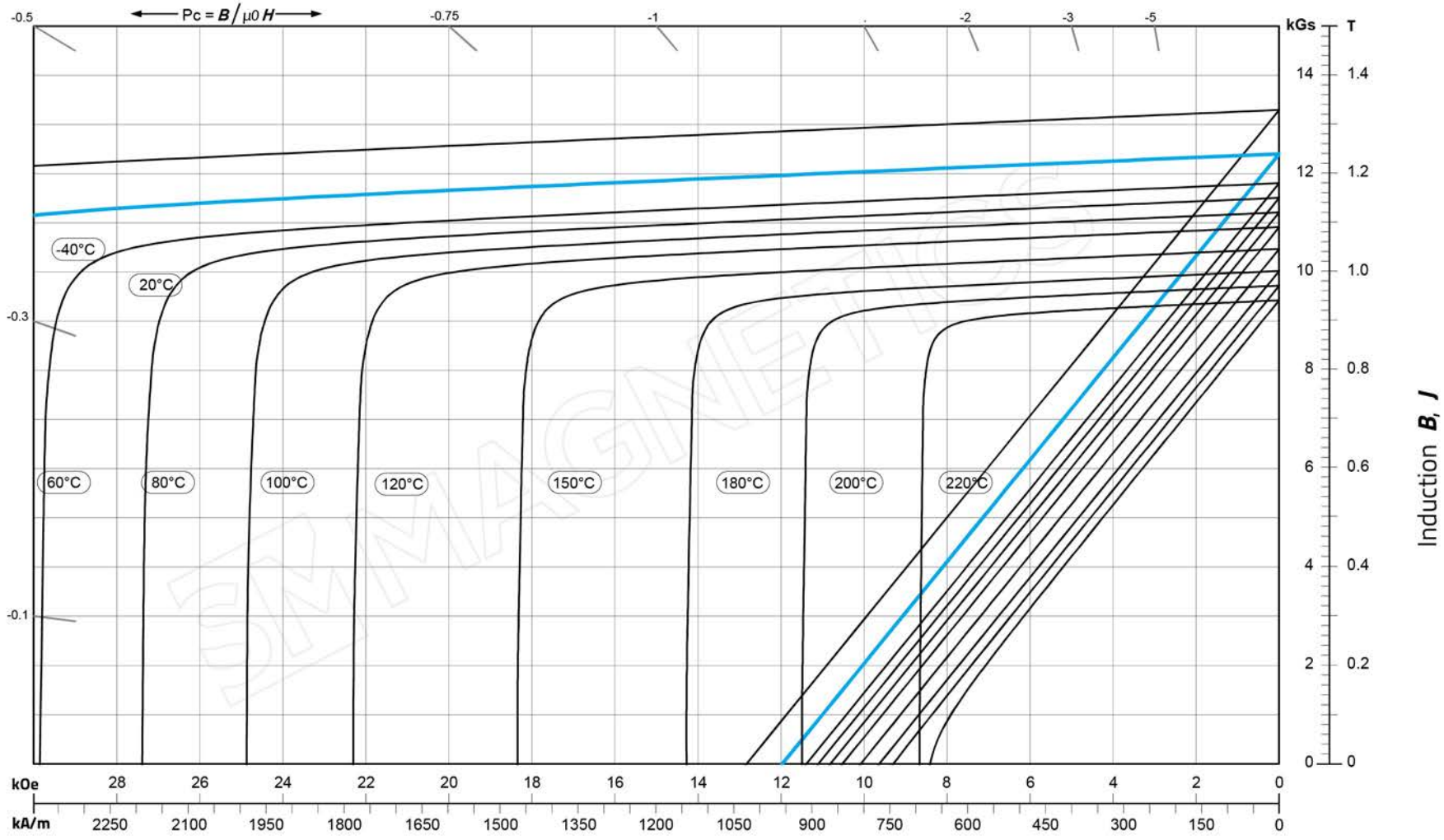
Magnetic Properties (20℃) :

N35AH

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
11.7 - 12.2 kGs	≥ 11.1 kOe	≥ 34.0 kOe	33 - 36 MGOe
1.17 - 1.22 T	≥ 883 kA/m	≥ 2706 kA/m	263 - 287 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, ***H***

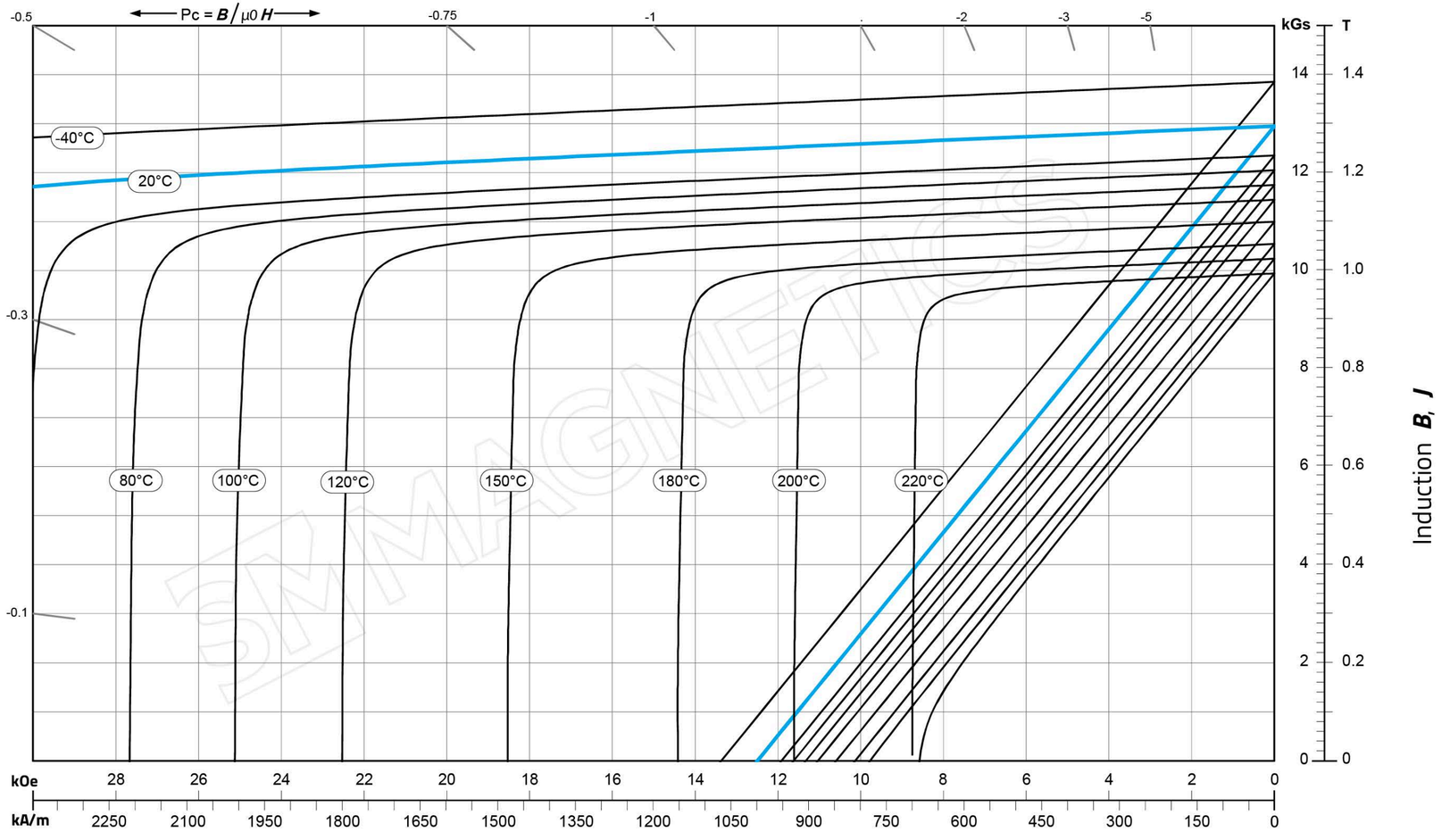
Magnetic Properties (20℃) :

N38AH

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
12.0 - 12.5 kGs	≥ 11.6 kOe	≥ 34.0 kOe	36 - 39 MGOe
1.20 - 1.25 T	≥ 923 kA/m	≥ 2706 kA/m	287 - 310 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, -***H***

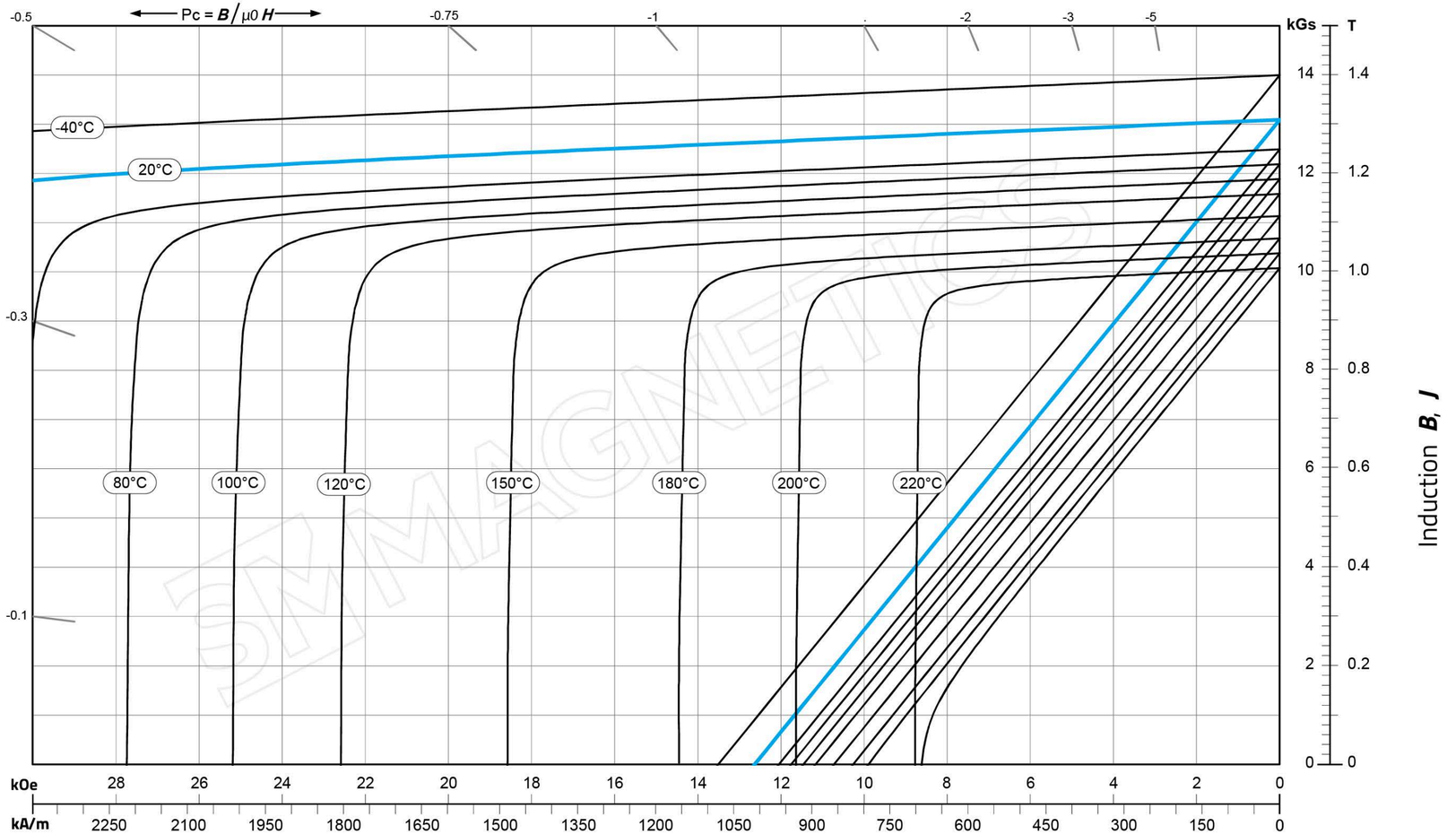
Magnetic Properties (20℃) :

N40AH

B_r (Remanence):	H_{cB} (Normal Coercivity):	H_{cJ} (Intrinsic Coercivity):	$(BH)_{max}$ (Max Energy Product):
12.5 - 13.0 kGs	≥ 11.6 kOe	≥ 34.0 kOe	38 - 41 MGOe
1.25 - 1.30 T	≥ 923 kA/m	≥ 2706 kA/m	302 - 326 kJ/m³

SM MAGNETICS

Demagnetization Curves for Sintered NdFeB



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

Demagnetizing Field Strength, -***H***

Magnetic Properties (20℃) :

N42AH

***B*r** (Remanence):	***H*cB** (Normal Coercivity):	***H*cJ** (Intrinsic Coercivity):	(***BH***)max (Max Energy Product):
12.8 - 13.2 kGs	≥ 12.2 kOe	≥ 34.0 kOe	40 - 43 MGOe
1.28 - 1.32 T	≥ 970 kA/m	≥ 2706 kA/m	318 - 342 kJ/m³