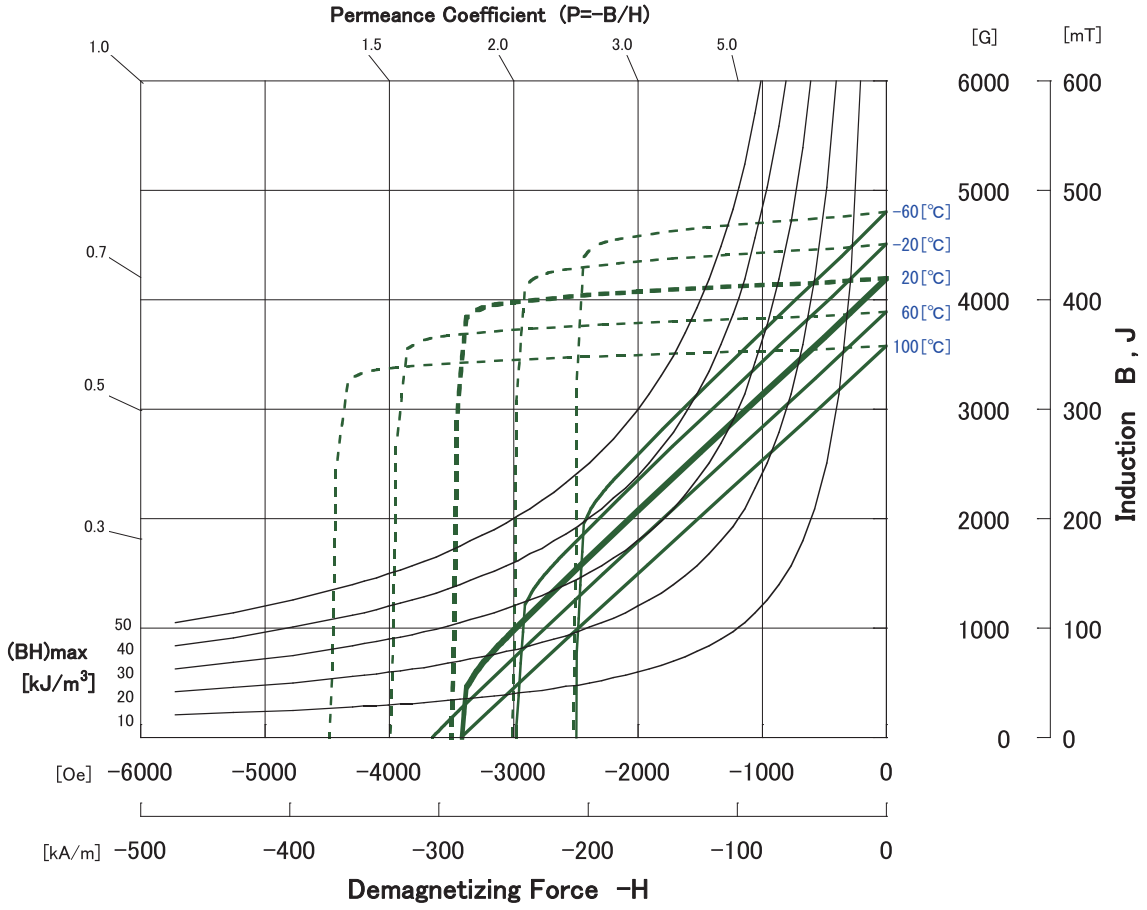
Sintered Magnet : Demagnetization Curves

THW5B

Wet Anisotropic Material

Magnetic property

	SI units		CGS units	
Residual Induction B_r	Minimum	Nominal	Minimum	Nominal
	[mT]		[G]	
	410	425	4100	4250
Coercive Force H_{cB}	Minimum	Nominal	Minimum	Nominal
	[kA/m]		[Oe]	
	246.7	262.6	3100	3300
Coercive Force H_{cJ}	Minimum	Nominal	Minimum	Nominal
	[kA/m]		[Oe]	
	254.7	270.5	3200	3400
Maximum Energy Product $(BH)_{max}$	Minimum	Nominal	Minimum	Nominal
	[kJ/m^3]		[MGOe]	
	32.64	34.21	4.10	4.30



Note:1. The magnetic property values above are not the guaranteed values in use. Depending on the dimensions, shape and environment when using the magnet, the magnetic property values given in the catalog may not be attained. Please check in advance using samples, etc.
Note:2. That the above properties and details are subject to change without advance notice due toproduct improvement and other factors.

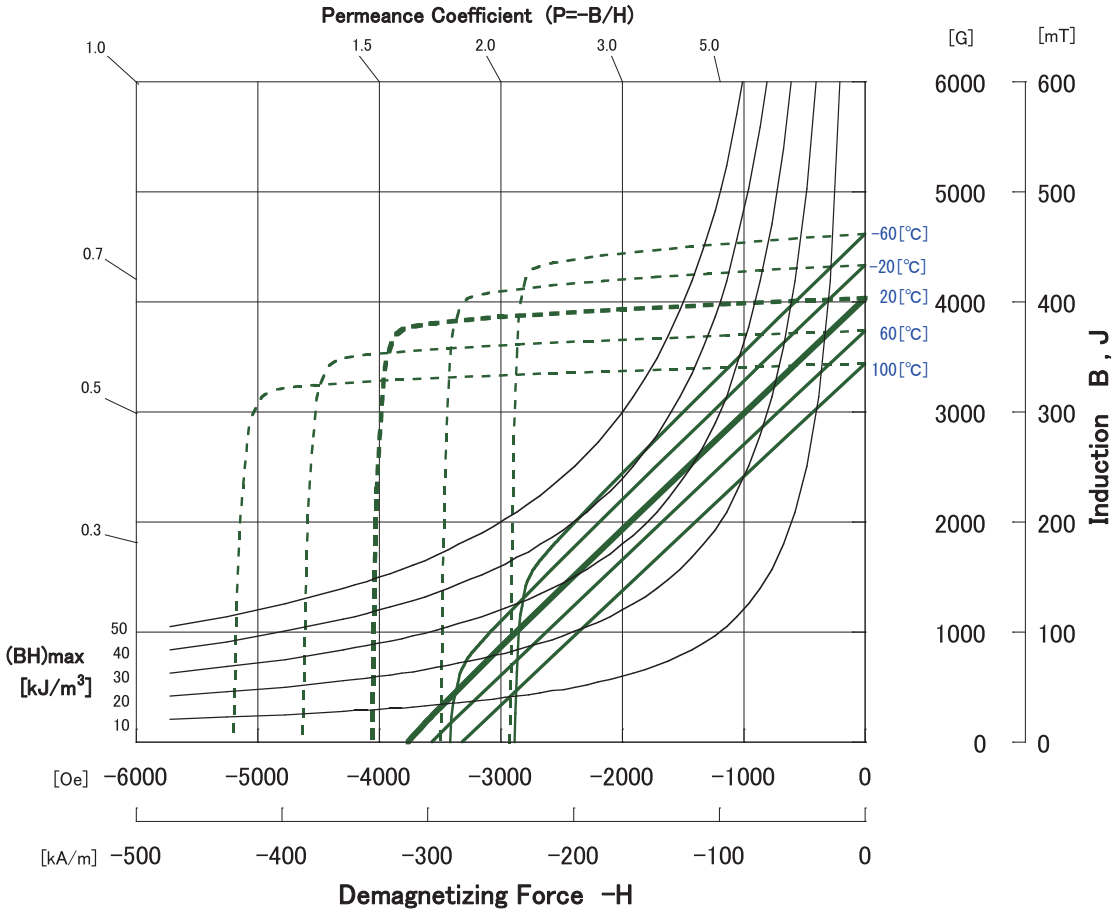
Sintered Magnet : Demagnetization Curves

THW5H

Wet Anisotropic Material

Magnetic property

	SI units		CGS units	
Residual Induction B_r	Minimum	Nominal	Minimum	Nominal
	[mT]		[G]	
	395	410	3950	4100
Coercive Force H_{cB}	Minimum	Nominal	Minimum	Nominal
	[kA/m]		[Oe]	
	278.6	294.4	3500	3700
Coercive Force H_{cJ}	Minimum	Nominal	Minimum	Nominal
	[kA/m]		[Oe]	
	302.4	318.3	3800	4000
Maximum Energy Product $(BH)_{max}$	Minimum	Nominal	Minimum	Nominal
	[kJ/m^3]		[MGOe]	
	29.45	31.03	3.70	3.90



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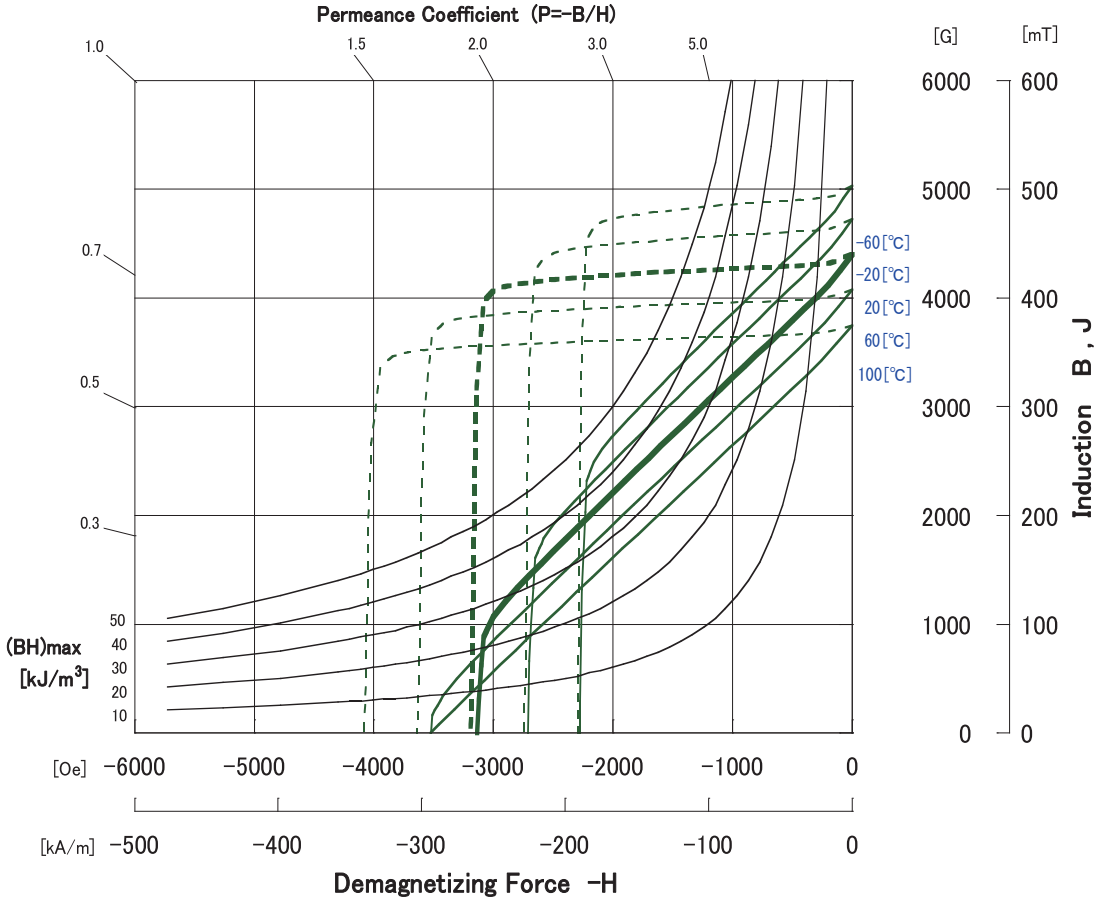
Sintered Magnet : Demagnetization Curves

THW6N

Wet Anisotropic Material

Magnetic property

	SI units		CGS units	
Residual Induction B_r	Minimum	Nominal	Minimum	Nominal
	[mT]		[G]	
	425	440	4250	4400
Coercive Force H_{cB}	Minimum	Nominal	Minimum	Nominal
	[kA/m]		[Oe]	
	230.8	246.6	2900	3100
Coercive Force H_{cJ}	Minimum	Nominal	Minimum	Nominal
	[kA/m]		[Oe]	
	238.8	254.6	3000	3200
Maximum Energy Product $(BH)_{max}$	Minimum	Nominal	Minimum	Nominal
	[kJ/m^3]		[MGOe]	
	34.23	35.80	4.30	4.50



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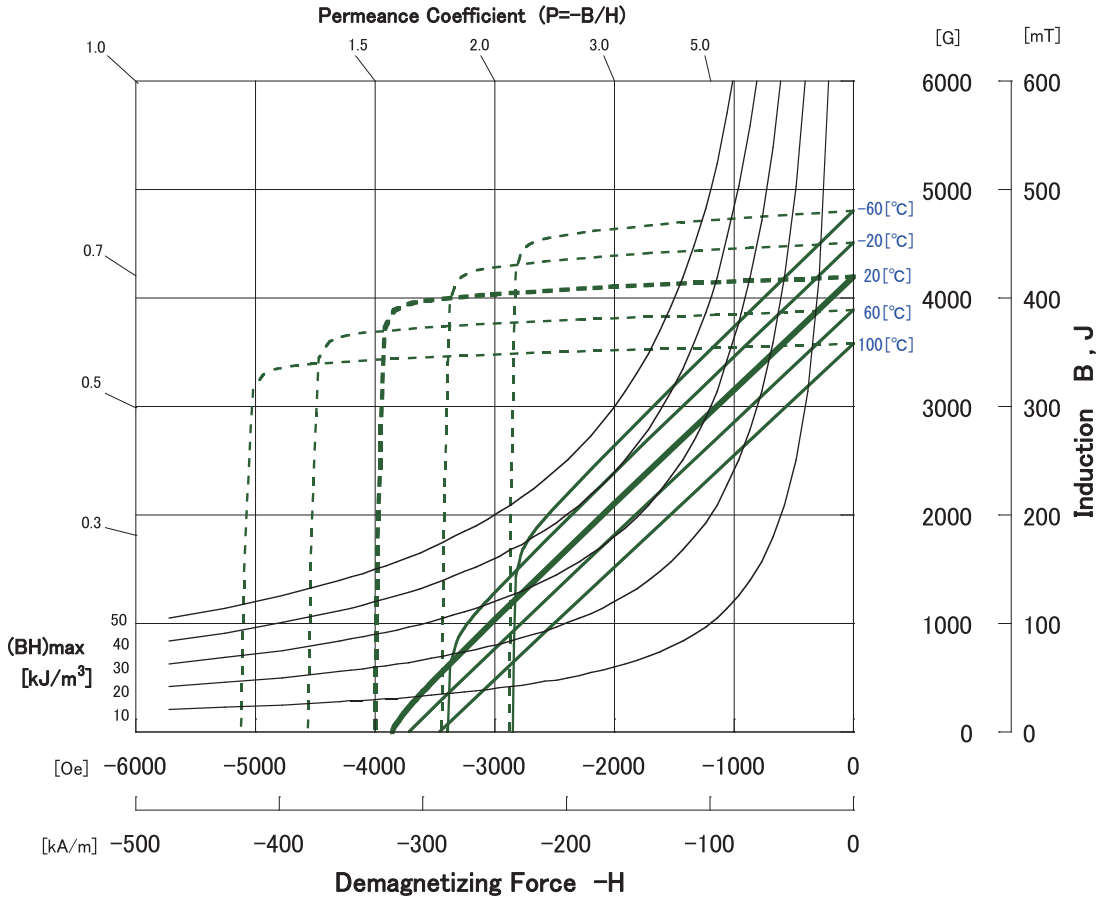
Sintered Magnet : Demagnetization Curves

THW6B

Wet Anisotropic Material

Magnetic property

	SI units		CGS units	
Residual Induction B_r	Minimum	Nominal	Minimum	Nominal
	[mT]		[G]	
	410	425	4100	4250
Coercive Force H_{cB}	Minimum	Nominal	Minimum	Nominal
	[kA/m]		[Oe]	
	286.5	302.3	3600	3800
Coercive Force H_{cJ}	Minimum	Nominal	Minimum	Nominal
	[kA/m]		[Oe]	
	302.4	318.3	3800	4000
Maximum Energy Product $(BH)_{max}$	Minimum	Nominal	Minimum	Nominal
	[kJ/m^3]		[MGOe]	
	32.64	34.21	4.10	4.30



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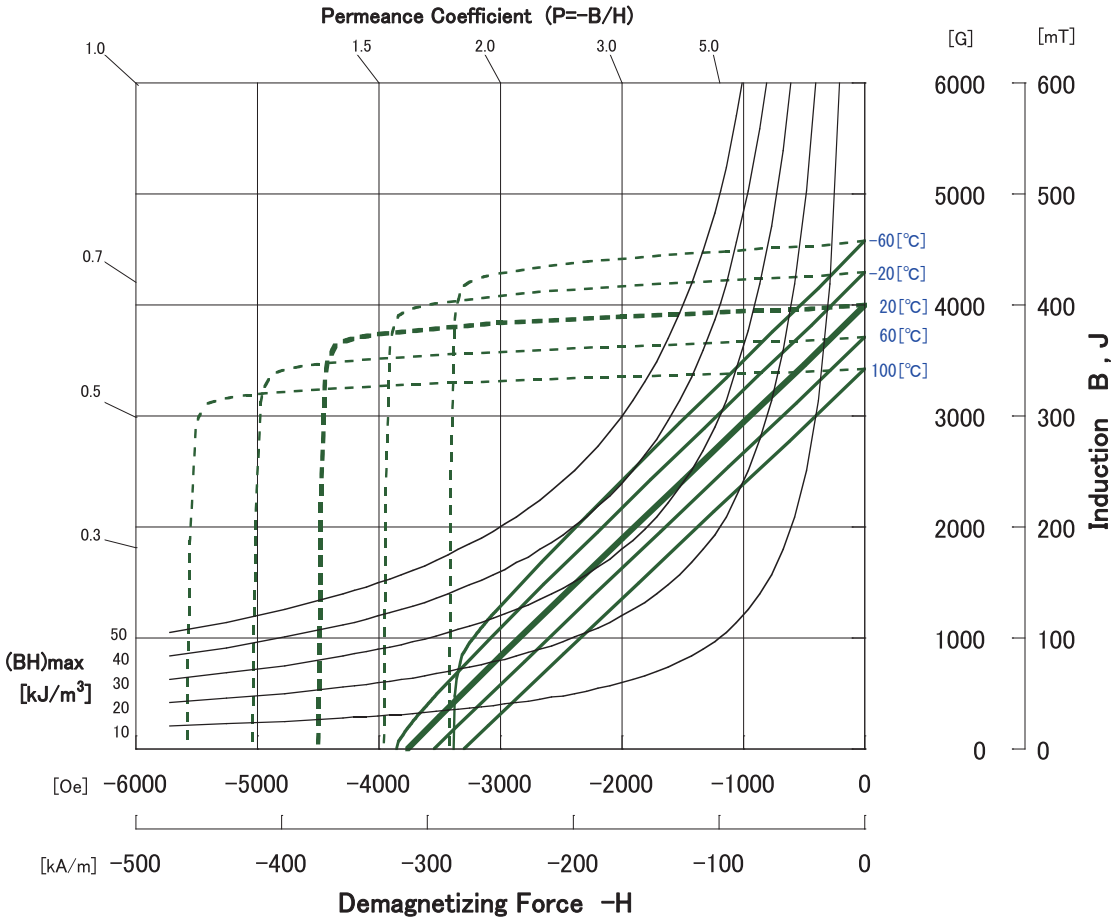
Sintered Magnet : Demagnetization Curves

THW6H

Wet Anisotropic Material

Magnetic property

	SI units		CGS units	
Residual Induction B_r	Minimum	Nominal	Minimum	Nominal
	[mT]		[G]	
	385	400	3850	4000
Coercive Force H_{cB}	Minimum	Nominal	Minimum	Nominal
	[kA/m]		[Oe]	
	278.6	294.4	3500	3700
Coercive Force H_{cJ}	Minimum	Nominal	Minimum	Nominal
	[kA/m]		[Oe]	
	342.2	358.1	4300	4500
Maximum Energy Product $(BH)_{max}$	Minimum	Nominal	Minimum	Nominal
	[kJ/m^3]		[MGOe]	
	28.65	30.23	3.60	3.80



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