

## Technical Parameter For Sintered NDFEB Magnet

grade	Br	Hcb	Hcj	(BH) max	Tw
	T	kA/m	kA/m	kJ/m <sup>3</sup>	L/D≥0.7
	(kGs)	(kOe)	(kOe)	(MGOe)	℃
N35	1.17-1.21	876-899	≥ 955	263-279	≤80 ℃
	11.7-12.1	11.0-11.3	≥ 12.0	33-35	
N38	1.22-1.26	876-923	≥ 955	287-303	≤80 ℃
	12.2-12.6	11.0-11.6	≥ 12.0	36-38	
N40	1.26-1.29	876-923	≥ 955	303-318	≤80 ℃
	12.6-12.9	11.0-11.6	≥ 12.0	38-40	
N42	1.30-1.33	876-926	≥ 955	318-334	≤80 ℃
	13.0-13.3	11.0-11.6	≥ 12.0	40-42	
N45	1.33-1.37	876-926	≥ 955	342-358	≤80 ℃
	13.3-13.7	11.0-11.6	≥ 12.0	43-45	
N48	1.36-1.42	876-926	≥ 955	358-382	≤80 ℃
	13.6-14.2	11.0-11.6	≥ 12.0	45-48	
N50	1.41-1.45	828-907	≥ 876	382-398	≤70 ℃
	14.1-14.5	11.0-11.4	≥ 11.0	48-50	
N52	1.44-1.48	828-907	≥ 876	394-414	≤70 ℃
	14.4-14.8	10.5-11.4	≥ 11.0	49.5-52	
N35M	1.17-1.21	892-915	≥ 1114	263-279	≤100 ℃
	11.7-12.1	11.2-11.5	≥ 14.0	33-35	
N38M	1.22-1.26	907-931	≥ 1114	287-303	≤100 ℃
	12.2-12.6	11.4-11.7	≥ 14.0	36-38	
N40M	1.26-1.29	907-947	≥ 1114	303-318	≤100 ℃
	12.6-12.9	11.4-11.9	≥ 14.0	38-40	
N42M	1.30-1.33	907-947	≥ 1114	318-334	≤100 ℃
	13.0-13.3	11.4-11.9	≥ 14.0	40-42	
N45M	1.33-1.37	907-955	≥ 1114	334-358	≤100 ℃
	13.3-13.7	11.4-12.0	≥ 14.0	42-45	
N48M	1.36-1.42	907-955	≥ 1114	358-382	≤100 ℃
	13.6-14.2	11.4-12.0	≥ 14.0	45-48	
N33H	1.14-1.17	820-876	≥ 1353	247-263	≤120 ℃
	11.4-11.7	10.3-11.0	≥ 17.0	31-33	
N35H	1.17-1.21	860-907	≥ 1353	263-279	≤120 ℃
	11.7-12.1	10.8-11.4	≥ 17.0	33-35	
N38H	1.22-1.26	907-947	≥ 1353	287-303	≤120 ℃
	12.2-12.6	11.4-11.9	≥ 17.0	36-38	
N40H	1.26-1.29	907-947	≥ 1353	303-318	≤120 ℃
	12.6-12.9	11.4-11.9	≥ 17.0	38-40	
N42H	1.30-1.33	907-947	≥ 1353	318-334	≤120 ℃
	13.0-13.3	11.4-11.9	≥ 17.0	40-42	
N44H	1.33-1.36	907-947	≥ 1274	334-350	≤120 ℃
	13.3-13.6	11.4-11.9	≥ 16.0	42-44	
N30SH	1.08-1.12	804-844	≥ 1592	223-239	≤150 ℃
	10.8-11.2	10.1-10.6	≥ 20	28-30	
N33SH	1.14-1.17	820-876	≥ 1592	247-263	≤150 ℃
	11.4-11.7	10.3-11.0	≥ 20	31-33	
N35SH	1.17-1.21	860-907	≥ 1592	263-279	≤150 ℃
	11.7-12.1	10.8-11.4	≥ 20	33-35	

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	T	kA/m	kA/m	kJ/m <sup>3</sup>	L/D $\geq$ 0.7
	(kGs)	(kOe)	(kOe)	(MGOe)	°C
N38SH	1.22-1.26	907-947	$\geq 1592$	287-303	$\leq 150$ °C
	12.2-12.6	11.4-11.9	$\geq 20$	36-38	
N40SH	1.26-1.29	907-947	$\geq 1592$	303-318	$\leq 150$ °C
	12.6-12.9	11.4-11.9	$\geq 20$	38-40	
N42SH	1.30-1.33	907-947	$\geq 1512$	318-334	$\leq 150$ °C
	13.0-13.3	11.4-11.9	$\geq 19$	40-42	
N28UH	1.04-1.08	780-812	$\geq 1990$	207-223	$\leq 180$ °C
	10.4-10.8	9.8-10.2	$\geq 25$	26-28	
N30UH	1.08-1.12	804-844	$\geq 1990$	223-239	$\leq 180$ °C
	10.8-11.2	10.1-10.6	$\geq 25$	28-30	
N33UH	1.14-1.17	820-876	$\geq 1990$	247-263	$\leq 180$ °C
	11.4-11.7	10.3-11.0	$\geq 25$	31-33	
N35UH	1.17-1.21	860-907	$\geq 1990$	263-279	$\leq 180$ °C
	11.7-12.1	10.8-11.4	$\geq 25$	33-35	
N38UH	1.22-1.26	907-947	$\geq 1990$	287-303	$\leq 180$ °C
	12.2-12.6	11.4-11.9	$\geq 25$	36-38	
N28EH	1.04-1.08	780-812	$\geq 2388$	207-223	$\leq 200$ °C
	10.4-10.8	9.8-10.2	$\geq 30$	26-28	
N30EH	1.08-1.12	804-844	$\geq 2388$	223-239	$\leq 200$ °C
	10.8-11.2	10.1-10.6	$\geq 30$	28-30	
N33EH	1.14-1.17	820-876	$\geq 2388$	247-263	$\leq 200$ °C
	11.4-11.7	10.3-11.0	$\geq 30$	31-33	
N35EH	1.17-1.21	860-907	$\geq 2388$	263-279	$\leq 200$ °C
	11.7-12.1	10.8-11.4	$\geq 30$	33-35	

Note: Working temperature is tested under  $20^{\circ}\text{C} \pm 2^{\circ}\text{C}$ , the inevitable loss of magnetic force is no more than 5%