

MAGNETIC CHARACTERISTICS

GRADE	Br (mT)	Br (KGs)	Hcb (KA/m)	Hcb (KOe)	Hcj (KA/m)	Hcj (KOe)	(BH)Max (KJ/m ³)	(BH)Max (MGOe)
N30	1070-1110	10.7-11.0	796-865	10.0-11.0	≥ 955	≥ 12	223-247	28-31
N33	1120-1170	11.2-11.7	836-915	10.5-11.5	≥ 955	≥ 12	243-263	31-33
N35	1160-1210	11.6-12.1	860-930	10.8-11.7	≥ 955	≥ 12	263-286	33-36
N38	1220-1280	12.2-12.8	860-930	10.8-11.7	≥ 955	≥ 12	286-310	36-39
N40	1250-1290	12.5-12.9	923-990	11.6-12.5	≥ 955	≥ 12	303-318	38-40
N42	1280-1320	12.8-13.2	860-930	10.8-11.7	≥ 955	≥ 12	318-342	40-43
N45	1320-1360	13.2-13.6	860-930	10.8-11.7	≥ 955	≥ 12	340-372	42-46
N48	1380-1430	13.8-14.3	836-915	10.5-11.5	≥ 955	≥ 12	366-390	46-49
N50	1400-1450	14.0-14.5	836-915	10.5-11.5	≥ 955	≥ 12	376-408	47-51
N52	1420-1480	14.2-14.8	836-915	10.5-11.5	≥ 876	≥ 11	390-422	49-53
N55	1440-1510	14.4-15.1	716-785	9.0-10.0	≥ 876	≥ 11	414-446	52-56
N30M	1070-1110	10.7-11.0	812-876	10.2-11.0	≥ 1114	≥ 13	207-223	26-28
N33M	1080-1150	10.8-11.5	836-915	10.5-11.5	≥ 1114	≥ 13	223-247	28-31
N35M	1120-1170	11.2-11.7	868-938	10.9-11.8	≥ 1114	≥ 13	247-263	31-33
N38M	1160-1210	11.6-12.1	899-970	11.3-12.2	≥ 1114	≥ 13	263-286	33-36
N40M	1220-1280	12.2-12.8	923-990	11.6-12.5	≥ 1114	≥ 13	286-310	36-39
N42M	1250-1290	12.5-12.9	955-1010	12.0-12.9	≥ 1114	≥ 13	302-326	38-41
N45M	1280-1320	12.8-13.2	971-1025	12.2-13.1	≥ 1114	≥ 13	318-342	40-43
N48M	1320-1360	13.2-13.6	1000-1034	12.5-13.4	≥ 1114	≥ 13	344-376	43-47
N50M	1370-1420	13.7-14.2	1011-1055	12.7-13.6	≥ 1114	≥ 13	366-390	46-49
N52M	1420-1480	14.2-14.8	1035-1090	13.0-13.9	≥ 1114	≥ 13	376-408	47-51
N30H	1070-1110	10.7-11.0	796-865	10.0-10.9	≥ 1353	≥ 17	223-247	28-31
N33H	1120-1170	11.2-11.7	836-915	10.5-11.5	≥ 1353	≥ 17	247-263	31-33
N35H	1160-1210	11.6-12.1	868-938	10.9-11.8	≥ 1353	≥ 17	263-286	33-36
N38H	1220-1280	12.2-12.8	899-970	11.3-11.7	≥ 1353	≥ 17	286-310	36-39
N40H	1250-1290	12.5-12.9	923-990	11.6-12.5	≥ 1353	≥ 17	302-326	38-41
N42H	1280-1320	12.8-13.2	955-1010	12.0-12.9	≥ 1353	≥ 17	318-342	40-43
N45H	1320-1360	13.2-13.6	971-1025	12.2-13.1	≥ 1353	≥ 17	344-376	43-47
N48H	1370-1410	13.7-14.1	1011-1055	12.7-13.6	≥ 1353	≥ 17	366-390	46-49
N50H	1390-1440	13.9-14.4	1035-1090	13.0-13.9	≥ 1274	≥ 16	376-408	47-51
N30SH	1080-1130	10.8-11.3	811-880	10.2-11.1	≥ 1592	≥ 20	223-247	28-31
N33SH	1160-1170	11.2-11.7	844-912	10.6-11.5	≥ 1592	≥ 20	247-263	31-33
N35SH	1160-1210	11.6-12.1	876-955	11.0-12.0	≥ 1592	≥ 20	263-286	33-36
N38SH	1220-1280	12.2-12.8	907-975	11.4-11.7	≥ 1592	≥ 20	286-310	36-39
N40SH	1250-1290	12.5-12.9	939-955	11.8-12.0	≥ 1592	≥ 20	302-326	38-41
N42SH	1300-1350	13.0-13.5	955-1010	12.0-12.9	≥ 1592	≥ 20	312-344	39-43
N45SH	1320-1360	13.2-13.6	979-1030	12.3-13.2	≥ 1592	≥ 20	344-376	43-47
N48SH	1370-1410	13.7-14.1	1000-1034	12.5-13.4	≥ 1512	≥ 19	366-390	46-49
N25UH	970-1050	9.7-10.5	732-812	9.2-10.2	≥ 1990	≥ 25	183-199	23-25
N28UH	1040-1080	10.4-10.8	764-833	9.6-10.5	≥ 1990	≥ 25	207-223	26-28
N30UH	1080-1130	10.8-11.3	812-876	10.2-11.0	≥ 1990	≥ 25	223-239	28-30

MAGNETIC CHARACTERISTICS

GRADE	Br (mT)	Br (KGs)	Hcb (KA/m)	Hcb (KOe)	Hcj (KA/m)	Hcj (KOe)	(BH)Max (KJ/m ³)	(BH)Max (MGOe)
N33UH	1130-1170	11.3-11.7	852-923	10.7-11.6	≥ 1990	≥ 25	247-263	31-34
N35UH	1160-1210	11.6-12.1	860-930	10.8-11.7	≥ 1990	≥ 25	263-286	33-36
N38UH	1220-1280	12.2-12.8	876-955	11.0-12.0	≥ 1990	≥ 25	286-310	36-39
N40UH	1250-1290	12.5-12.9	915-980	11.5-11.8	≥ 1990	≥ 25	303-318	38-40
N42UH	1300-1350	13.0-13.5	955-1010	12.0-12.9	≥ 1990	≥ 25	312-344	39-43
N45UH	1320-1360	13.2-13.6	1000-1034	12.5-13.4	≥ 1910	≥ 24	344-380	43-47
N28EH	1050-1090	10.5-10.9	780-850	9.8-10.7	≥ 2388	≥ 30	211-235	26-28
N30EH	1080-1130	10.8-11.3	812-876	10.2-11.0	≥ 2388	≥ 30	223-247	28-31
N33EH	1140-1180	11.4-11.8	820-868	10.3-11.2	≥ 2388	≥ 30	247-263	31-34
N35EH	1160-1220	11.6-12.0	836-915	10.5-11.5	≥ 2388	≥ 30	263-286	33-35
N38EH	1180-1240	11.8-12.4	899-970	11.3-12.2	≥ 2388	≥ 30	282-306	36-38
N40EH	1230-1285	12.3-12.8	915-980	11.5-11.8	≥ 2388	≥ 30	301-314	38-40
N42EH	1300-1350	13.0-13.5	971-1025	12.2-13.1	≥ 2308	≥ 29	306-330	40-42
N28AH	1040-1080	10.4-10.8	780-850	9.8-10.7	≥ 2706	≥ 34	207-231	26-29
N30AH	1080-1120	10.8-11.2	812-876	10.2-11.0	≥ 2706	≥ 34	223-247	28-31
N33AH	1130-1170	11.3-11.7	812-876	10.2-11.0	≥ 2706	≥ 34	239-262	30-33
N35AH	1150-1220	11.5-11.9	883-956	11.2-11.6	≥ 2706	≥ 34	262-286	33-35
N38AH	1190-1250	11.9-12.5	923-990	11.6-12.5	≥ 2626	≥ 33	278-302	36-38
N35X	1160-1210	11.6-12.1	860-930	10.8-11.7	≥ 955	≥ 12	263-286	33-36
N35MX	1160-1210	11.6-12.1	868-938	10.9-11.8	≥ 1114	≥ 14	263-286	33-36
N45MX	1320-1360	13.2-13.6	971-1025	12.2-13.1	≥ 1114	≥ 14	344-376	43-47
N38HX	1220-1280	12.2-12.8	899-970	11.3-12.2	≥ 1353	≥ 17	286-310	36-39
N40HX	1250-1290	12.5-12.9	923-990	11.6-12.5	≥ 1353	≥ 17	302-326	38-41
N45HX	1320-1360	13.2-13.6	971-1025	12.2-13.1	≥ 1353	≥ 17	344-376	43-47
N33SHX	1130-1170	11.3-11.7	844-912	10.6-11.5	≥ 1592	≥ 20	247-263	31-33
N35SHX	1160-1210	11.6-12.1	876-944	11.0-11.9	≥ 1592	≥ 20	263-286	33-36
N38SHX	1220-1280	12.2-12.8	907-975	11.4-12.3	≥ 1592	≥ 20	286-310	36-39
N42SHX	1300-1350	13.0-13.5	955-1010	12.0-12.9	≥ 1592	≥ 20	312-344	39-43
N30SHZ	1080-1130	10.8-11.3	804-872	10.1-11.0	≥ 1592	≥ 20	223-247	28-31
N33SHZ	1130-1170	11.3-11.7	844-912	10.6-11.5	≥ 1592	≥ 20	247-263	31-33
N35SHZ	1160-1210	11.6-12.1	876-944	11.0-11.9	≥ 1592	≥ 20	263-286	33-36
N38SHZ	1220-1280	12.2-12.8	907-975	11.4-12.3	≥ 1592	≥ 20	286-310	36-39
N45SHZ	1320-1360	13.2-13.6	979-1030	12.3-13.2	≥ 1592	≥ 20	344-376	43-47
N30UHZ	1080-1130	10.8-11.3	812-876	10.2-11.0	≥ 1990	≥ 25	223-247	28-31
N33UHZ	1130-1170	11.3-11.7	852-920	10.7-11.6	≥ 1990	≥ 25	247-263	31-33
N38UHZ	1220-1280	12.2-12.8	876-944	11.0-11.9	≥ 1990	≥ 25	286-310	36-39
N40UHZ	1250-1290	12.5-12.9	915-980	11.5-11.8	≥ 1990	≥ 25	303-318	38-40
N30EHZ	1080-1130	10.8-11.3	812-876	10.2-11.0	≥ 2388	≥ 30	223-247	28-31
N38EHZ	1180-1240	11.8-12.4	899-970	11.3-12.2	≥ 2388	≥ 30	282-306	36-38
N30AHZ	1080-1120	10.8-11.2	812-876	10.2-11.0	≥ 2706	≥ 34	223-247	28-31

THERMAL CHARACTERISTICS

GRADE	MAX OPERATING TEMP - °C	CURIE TEMP - %/°C	REV TEMP COEFF - Br (Tc a(Br) %/°C)	REV TEMP COEFF - Hg (Tc a(Hg) %/°C)
N30	80	310	-0.12	-0.75
N33	80	310	-0.12	-0.75
N35	80	310	-0.12	-0.75
N38	80	310	-0.12	-0.75
N40	80	310	-0.12	-0.75
N42	80	310	-0.12	-0.75
N45	80	310	-0.12	-0.75
N48	80	310	-0.12	-0.75
N50	80	310	-0.12	-0.75
N52	80	310	-0.12	-0.75
N55	80	310	-0.12	-0.75
N30M	100	310	-0.12	-0.675
N33M	100	310	-0.12	-0.675
N35M	100	310	-0.12	-0.675
N38M	100	310	-0.12	-0.675
N40M	100	310	-0.12	-0.675
N42M	100	310	-0.12	-0.675
N45M	100	310	-0.12	-0.675
N48M	100	310	-0.12	-0.675
N50M	100	310	-0.12	-0.675
N52M	100	310	-0.12	-0.675
N30H	120	310	-0.12	-0.605
N33H	120	310	-0.12	-0.605
N35H	120	310	-0.12	-0.605
N38H	120	310	-0.12	-0.605
N40H	120	310	-0.12	-0.605
N42H	120	310	-0.12	-0.605
N45H	120	310	-0.12	-0.605
N48H	120	310	-0.12	-0.605
N50H	120	310	-0.12	-0.605
N30SH	150	320	-0.12	-0.535
N33SH	150	320	-0.12	-0.535
N35SH	150	320	-0.12	-0.535
N38SH	150	320	-0.12	-0.535
N40SH	150	320	-0.12	-0.535
N42SH	150	320	-0.12	-0.535
N45SH	150	320	-0.12	-0.535
N48SH	150	320	-0.12	-0.535
N25UH	180	320	-0.12	-0.465
N28UH	180	320	-0.12	-0.465
N30UH	180	320	-0.12	-0.465

THERMAL CHARACTERISTICS

GRADE	MAX OPERATING TEMP - °C	CURIE TEMP - %/°C	REV TEMP COEFF - Br (Tc a(Br) %/°C)	REV TEMP COEFF - H _g (Tc a(H _g) %/°C)
N33UH	180	320	-0.12	-0.465
N35UH	180	320	-0.12	-0.465
N38UH	180	320	-0.12	-0.465
N40UH	180	320	-0.12	-0.465
N42UH	180	320	-0.12	-0.465
N45UH	180	320	-0.12	-0.465
N28EH	200	320	-0.12	-0.42
N30EH	200	320	-0.12	-0.42
N33EH	200	320	-0.12	-0.42
N35EH	200	320	-0.12	-0.42
N38EH	200	320	-0.12	-0.42
N40EH	200	320	-0.12	-0.42
N42EH	200	320	-0.12	-0.42
N28AH	220	320	-0.12	-0.393
N30AH	220	320	-0.12	-0.393
N33AH	220	320	-0.12	-0.393
N35AH	220	320	-0.12	-0.393
N38AH	220	320	-0.12	-0.393
N35X	80	320	-0.11	-0.75
N35MX	100	320	-0.11	-0.675
N45MX	100	320	-0.11	-0.675
N38HX	120	320	-0.11	-0.605
N40HX	120	320	-0.11	-0.605
N45HX	120	320	-0.11	-0.605
N33SHX	150	320	-0.11	-0.535
N35SHX	150	320	-0.11	-0.535
N38SHX	150	320	-0.11	-0.535
N42SHX	150	320	-0.11	-0.535
N30SHZ	150	320	-0.1	-0.535
N33SHZ	150	320	-0.1	-0.535
N35SHZ	150	320	-0.1	-0.535
N38SHZ	150	320	-0.1	-0.535
N45SHZ	150	320	-0.1	-0.535
N30UHZ	180	320	-0.1	-0.465
N33UHZ	180	320	-0.1	-0.465
N38UHZ	180	320	-0.1	-0.465
N40UHZ	180	320	-0.1	-0.465
N30EHZ	200	320	-0.1	-0.42
N38EHZ	200	320	-0.1	-0.42
N30AHZ	220	320	-0.1	-0.393