Nippon Steel

Mill grade reference

Query summary

Grade data sheets	61
Published values	488
Published frequency	50 Hz / 60 Hz
Published flux density range	1.5-1.7 T
Distinct flux density levels	2

50 Hz performance

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
1	**20ZDKH65** Nippon Steel	0.2	Specific core loss	50 Hz / 1.5 T (B)	**0.47** W/kg	Typical
2	**20ZDKH65** Nippon Steel	0.2	Specific core loss	50 Hz / 1.7 T (B)	**0.65** W/kg	Guaranteed maximum
3	**20ZDKH65** Nippon Steel	0.2	Specific core loss	50 Hz / 1.7 T (B)	**0.64** W/kg	Typical
4	**20ZDKH70** Nippon Steel	0.2	Specific core loss	50 Hz / 1.5 T (B)	**0.50** W/kg	Typical
5	**20ZDKH70** Nippon Steel	0.2	Specific core loss	50 Hz / 1.7 T (B)	**0.70** W/kg	Guaranteed maximum
6	**20ZDKH70** Nippon Steel	0.2	Specific core loss	50 Hz / 1.7 T (B)	**0.68** W/kg	Typical
7	**20ZDKH75** Nippon Steel	0.2	Specific core loss	50 Hz / 1.5 T (B)	**0.52** W/kg	Typical
8	**20ZDKH75** Nippon Steel	0.2	Specific core loss	50 Hz / 1.7 T (B)	**0.75** W/kg	Guaranteed maximum
9	**20ZDKH75** Nippon Steel	0.2	Specific core loss	50 Hz / 1.7 T (B)	**0.71** W/kg	Typical
10	**20ZDMH70** Nippon Steel	0.2	Specific core loss	50 Hz / 1.5 T (B)	**0.51** W/kg	Typical
11	**20ZDMH70** Nippon Steel	0.2	Specific core loss	50 Hz / 1.7 T (B)	**0.70** W/kg	Guaranteed maximum
12	**20ZDMH70** Nippon Steel	0.2	Specific core loss	50 Hz / 1.7 T (B)	**0.69** W/kg	Typical
13	**20ZDMH75** Nippon Steel	0.2	Specific core loss	50 Hz / 1.5 T (B)	**0.54** W/kg	Typical
14	**20ZDMH75** Nippon Steel	0.2	Specific core loss	50 Hz / 1.7 T (B)	**0.75** W/kg	Guaranteed maximum
15	**20ZDMH75** Nippon Steel	0.2	Specific core loss	50 Hz / 1.7 T (B)	**0.73** W/kg	Typical
16	**20ZH80** Nippon Steel	0.2	Specific core loss	50 Hz / 1.5 T (B)	**0.59** W/kg	Typical
17	**20ZH80** Nippon Steel	0.2	Specific core loss	50 Hz / 1.7 T (B)	**0.80** W/kg	Guaranteed maximum

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
18	**20ZH80** Nippon Steel	0.2	Specific core loss	50 Hz / 1.7 T (B)	**0.79** W/kg	Typical
19	**20ZH85** Nippon Steel	0.2	Specific core loss	50 Hz / 1.5 T (B)	**0.61** W/kg	Typical
20	**20ZH85** Nippon Steel	0.2	Specific core loss	50 Hz / 1.7 T (B)	**0.85** W/kg	Guaranteed maximum
21	**20ZH85** Nippon Steel	0.2	Specific core loss	50 Hz / 1.7 T (B)	**0.82** W/kg	Typical
22	**23Z110** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.71** W/kg	Typical
23	**23Z110** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**1.10** W/kg	Guaranteed maximum
24	**23Z110** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**1.06** W/kg	Typical
25	**23ZDKH70** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.52** W/kg	Typical
26	**23ZDKH70** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.70** W/kg	Guaranteed maximum
27	**23ZDKH70** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.68** W/kg	Typical
28	**23ZDKH75** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.54** W/kg	Typical
29	**23ZDKH75** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.75** W/kg	Guaranteed maximum
30	**23ZDKH75** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.72** W/kg	Typical
31	**23ZDKH80** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.55** W/kg	Typical
32	**23ZDKH80** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.80** W/kg	Guaranteed maximum
33	**23ZDKH80** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.75** W/kg	Typical
34	**23ZDKH85** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.57** W/kg	Typical
35	**23ZDKH85** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.85** W/kg	Guaranteed maximum
36	**23ZDKH85** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.78** W/kg	Typical
37	**23ZDKH90** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.60** W/kg	Typical
38	**23ZDKH90** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.90** W/kg	Guaranteed maximum
39	**23ZDKH90** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.83** W/kg	Typical
40	**23ZDMH75** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.54** W/kg	Typical
41	**23ZDMH75** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.75** W/kg	Guaranteed maximum
42	**23ZDMH75** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.73** W/kg	Typical
43	**23ZDMH80** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.55** W/kg	Typical
44	**23ZDMH80** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.80** W/kg	Guaranteed maximum
45	**23ZDMH80** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.75** W/kg	Typical

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
46	**23ZDMH85** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.57** W/kg	Typical
47	**23ZDMH85** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.85** W/kg	Guaranteed maximum
48	**23ZDMH85** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.78** W/kg	Typical
49	**23ZDMH90** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.60** W/kg	Typical
50	**23ZDMH90** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.90** W/kg	Guaranteed maximum
51	**23ZDMH90** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.83** W/kg	Typical
52	**23ZH100** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.66** W/kg	Typical
53	**23ZH100** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**1.00** W/kg	Guaranteed maximum
54	**23ZH100** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.93** W/kg	Typical
55	**23ZH85** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.61** W/kg	Typical
56	**23ZH85** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.85** W/kg	Guaranteed maximum
57	**23ZH85** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.83** W/kg	Typical
58	**23ZH90** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.63** W/kg	Typical
59	**23ZH90** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.90** W/kg	Guaranteed maximum
60	**23ZH90** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.87** W/kg	Typical
61	**23ZH95** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.64** W/kg	Typical
62	**23ZH95** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.95** W/kg	Guaranteed maximum
63	**23ZH95** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.90** W/kg	Typical
64	**27Z120** Nippon Steel	0.27	Specific core loss	50 Hz / 1.5 T (B)	**0.79** W/kg	Typical
65	**27Z120** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**1.20** W/kg	Guaranteed maximum
66	**27Z120** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**1.15** W/kg	Typical
67	**27Z130** Nippon Steel	0.27	Specific core loss	50 Hz / 1.5 T (B)	**0.83** W/kg	Typical
68	**27Z130** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**1.30** W/kg	Guaranteed maximum
69	**27Z130** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**1.23** W/kg	Typical
70	**27ZDKH85** Nippon Steel	0.27	Specific core loss	50 Hz / 1.5 T (B)	**0.61** W/kg	Typical
71	**27ZDKH85** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**0.85** W/kg	Guaranteed maximum
72	**27ZDKH85** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**0.81** W/kg	Typical
73	**27ZDKH90** Nippon Steel	0.27	Specific core loss	50 Hz / 1.5 T (B)	**0.63** W/kg	Typical

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
74	**27ZDKH90** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**0.90** W/kg	Guaranteed maximum
75	**27ZDKH90** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**0.84** W/kg	Typical
76	**27ZDKH95** Nippon Steel	0.27	Specific core loss	50 Hz / 1.5 T (B)	**0.66** W/kg	Typical
77	**27ZDKH95** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**0.95** W/kg	Guaranteed maximum
78	**27ZDKH95** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**0.88** W/kg	Typical
79	**27ZH100** Nippon Steel	0.27	Specific core loss	50 Hz / 1.5 T (B)	**0.70** W/kg	Typical
80	**27ZH100** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**1.00** W/kg	Guaranteed maximum
81	**27ZH100** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**0.96** W/kg	Typical
82	**27ZH110** Nippon Steel	0.27	Specific core loss	50 Hz / 1.5 T (B)	**0.74** W/kg	Typical
83	**27ZH110** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**1.10** W/kg	Guaranteed maximum
84	**27ZH110** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**1.03** W/kg	Typical
85	**27ZH90** Nippon Steel	0.27	Specific core loss	50 Hz / 1.5 T (B)	**0.66** W/kg	Typical
86	**27ZH90** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**0.90** W/kg	Guaranteed maximum
87	**27ZH90** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**0.89** W/kg	Typical
88	**27ZH95** Nippon Steel	0.27	Specific core loss	50 Hz / 1.5 T (B)	**0.69** W/kg	Typical
89	**27ZH95** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**0.95** W/kg	Guaranteed maximum
90	**27ZH95** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**0.93** W/kg	Typical
91	**30Z120** Nippon Steel	0.3	Specific core loss	50 Hz / 1.5 T (B)	**0.82** W/kg	Typical
92	**30Z120** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.20** W/kg	Guaranteed maximum
93	**30Z120** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.17** W/kg	Typical
94	**30Z130** Nippon Steel	0.3	Specific core loss	50 Hz / 1.5 T (B)	**0.86** W/kg	Typical
95	**30Z130** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.30** W/kg	Guaranteed maximum
96	**30Z130** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.25** W/kg	Typical
97	**30Z140** Nippon Steel	0.3	Specific core loss	50 Hz / 1.5 T (B)	**0.90** W/kg	Typical
98	**30Z140** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.40** W/kg	Guaranteed maximum
99	**30Z140** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.33** W/kg	Typical
100	**30ZH100** Nippon Steel	0.3	Specific core loss	50 Hz / 1.5 T (B)	**0.72** W/kg	Typical
101	**30ZH100** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.00** W/kg	Guaranteed maximum

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
102	**30ZH100** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**0.98** W/kg	Typical
103	**30ZH105** Nippon Steel	0.3	Specific core loss	50 Hz / 1.5 T (B)	**0.74** W/kg	Typical
104	**30ZH105** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.05** W/kg	Guaranteed maximum
105	**30ZH105** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.01** W/kg	Typical
106	**30ZH110** Nippon Steel	0.3	Specific core loss	50 Hz / 1.5 T (B)	**0.76** W/kg	Typical
107	**30ZH110** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.10** W/kg	Guaranteed maximum
108	**30ZH110** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.05** W/kg	Typical
109	**30ZH120** Nippon Steel	0.3	Specific core loss	50 Hz / 1.5 T (B)	**0.81** W/kg	Typical
110	**30ZH120** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.20** W/kg	Guaranteed maximum
111	**30ZH120** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.12** W/kg	Typical
112	**30ZH95** Nippon Steel	0.3	Specific core loss	50 Hz / 1.5 T (B)	**0.71** W/kg	Typical
113	**30ZH95** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**0.95** W/kg	Guaranteed maximum
114	**30ZH95** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**0.94** W/kg	Typical
115	**35Z135** Nippon Steel	0.35	Specific core loss	50 Hz / 1.5 T (B)	**0.94** W/kg	Typical
116	**35Z135** Nippon Steel	0.35	Specific core loss	50 Hz / 1.7 T (B)	**1.35** W/kg	Guaranteed maximum
117	**35Z135** Nippon Steel	0.35	Specific core loss	50 Hz / 1.7 T (B)	**1.33** W/kg	Typical
118	**35Z145** Nippon Steel	0.35	Specific core loss	50 Hz / 1.5 T (B)	**0.98** W/kg	Typical
119	**35Z145** Nippon Steel	0.35	Specific core loss	50 Hz / 1.7 T (B)	**1.45** W/kg	Guaranteed maximum
120	**35Z145** Nippon Steel	0.35	Specific core loss	50 Hz / 1.7 T (B)	**1.39** W/kg	Typical
121	**35Z155** Nippon Steel	0.35	Specific core loss	50 Hz / 1.5 T (B)	**1.01** W/kg	Typical
122	**35Z155** Nippon Steel	0.35	Specific core loss	50 Hz / 1.7 T (B)	**1.55** W/kg	Guaranteed maximum
123	**35Z155** Nippon Steel	0.35	Specific core loss	50 Hz / 1.7 T (B)	**1.46** W/kg	Typical
124	**35ZH110** Nippon Steel	0.35	Specific core loss	50 Hz / 1.5 T (B)	**0.81** W/kg	Typical
125	**35ZH110** Nippon Steel	0.35	Specific core loss	50 Hz / 1.7 T (B)	**1.10** W/kg	Guaranteed maximum
126	**35ZH110** Nippon Steel	0.35	Specific core loss	50 Hz / 1.7 T (B)	**1.06** W/kg	Typical
127	**35ZH115** Nippon Steel	0.35	Specific core loss	50 Hz / 1.5 T (B)	**0.84** W/kg	Typical
128	**35ZH115** Nippon Steel	0.35	Specific core loss	50 Hz / 1.7 T (B)	**1.15** W/kg	Guaranteed maximum
129	**35ZH115** Nippon Steel	0.35	Specific core loss	50 Hz / 1.7 T (B)	**1.12** W/kg	Typical

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
130	**35ZH125** Nippon Steel	0.35	Specific core loss	50 Hz / 1.5 T (B)	**0.91** W/kg	Typical
131	**35ZH125** Nippon Steel	0.35	Specific core loss	50 Hz / 1.7 T (B)	**1.25** W/kg	Guaranteed maximum
132	**35ZH125** Nippon Steel	0.35	Specific core loss	50 Hz / 1.7 T (B)	**1.21** W/kg	Typical
133	**35ZH135** Nippon Steel	0.35	Specific core loss	50 Hz / 1.5 T (B)	**0.95** W/kg	Typical
134	**35ZH135** Nippon Steel	0.35	Specific core loss	50 Hz / 1.7 T (B)	**1.35** W/kg	Guaranteed maximum
135	**35ZH135** Nippon Steel	0.35	Specific core loss	50 Hz / 1.7 T (B)	**1.27** W/kg	Typical
136	**M-0H** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.64** W/kg	Typical
137	**M-0H** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**1.00** W/kg	Guaranteed maximum
138	**M-0H** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**0.88** W/kg	Typical
139	**M-0H** Nippon Steel	0.27	Specific core loss	50 Hz / 1.5 T (B)	**0.71** W/kg	Typical
140	**M-0H** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**1.03** W/kg	Guaranteed maximum
141	**M-0H** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**0.97** W/kg	Typical
142	**M-0H** Nippon Steel	0.3	Specific core loss	50 Hz / 1.5 T (B)	**0.74** W/kg	Typical
143	**M-0H** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.05** W/kg	Guaranteed maximum
144	**M-0H** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.01** W/kg	Typical
145	**M-1** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.71** W/kg	Guaranteed maximum
146	**M-1** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.69** W/kg	Typical
147	**M-1** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**1.02** W/kg	Typical
148	**M-1H** Nippon Steel	0.27	Specific core loss	50 Hz / 1.5 T (B)	**0.74** W/kg	Typical
149	**M-1H** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**1.09** W/kg	Guaranteed maximum
150	**M-1H** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**1.03** W/kg	Typical
151	**M-1H** Nippon Steel	0.3	Specific core loss	50 Hz / 1.5 T (B)	**0.77** W/kg	Typical
152	**M-1H** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.11** W/kg	Guaranteed maximum
153	**M-1H** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.06** W/kg	Typical
154	**M-1H** Nippon Steel	0.35	Specific core loss	50 Hz / 1.5 T (B)	**0.85** W/kg	Typical
155	**M-1H** Nippon Steel	0.35	Specific core loss	50 Hz / 1.7 T (B)	**1.16** W/kg	Guaranteed maximum
156	**M-1H** Nippon Steel	0.35	Specific core loss	50 Hz / 1.7 T (B)	**1.13** W/kg	Typical
157	**M-2** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.75** W/kg	Guaranteed maximum

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
158	**M-2** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.73** W/kg	Typical
159	**M-2** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**1.08** W/kg	Typical
160	**M-3** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.79** W/kg	Guaranteed maximum
161	**M-3** Nippon Steel	0.23	Specific core loss	50 Hz / 1.5 T (B)	**0.76** W/kg	Typical
162	**M-3** Nippon Steel	0.23	Specific core loss	50 Hz / 1.7 T (B)	**1.12** W/kg	Typical
163	**M-3** Nippon Steel	0.27	Specific core loss	50 Hz / 1.5 T (B)	**0.83** W/kg	Guaranteed maximum
164	**M-3** Nippon Steel	0.27	Specific core loss	50 Hz / 1.5 T (B)	**0.79** W/kg	Typical
165	**M-3** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**1.15** W/kg	Typical
166	**M-3** Nippon Steel	0.3	Specific core loss	50 Hz / 1.5 T (B)	**0.85** W/kg	Guaranteed maximum
167	**M-3** Nippon Steel	0.3	Specific core loss	50 Hz / 1.5 T (B)	**0.83** W/kg	Typical
168	**M-3** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.19** W/kg	Typical
169	**M-4** Nippon Steel	0.27	Specific core loss	50 Hz / 1.5 T (B)	**0.89** W/kg	Guaranteed maximum
170	**M-4** Nippon Steel	0.27	Specific core loss	50 Hz / 1.5 T (B)	**0.83** W/kg	Typical
171	**M-4** Nippon Steel	0.27	Specific core loss	50 Hz / 1.7 T (B)	**1.17** W/kg	Typical
172	**M-4** Nippon Steel	0.3	Specific core loss	50 Hz / 1.5 T (B)	**0.90** W/kg	Guaranteed maximum
173	**M-4** Nippon Steel	0.3	Specific core loss	50 Hz / 1.5 T (B)	**0.86** W/kg	Typical
174	**M-4** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.24** W/kg	Typical
175	**M-5** Nippon Steel	0.3	Specific core loss	50 Hz / 1.5 T (B)	**0.97** W/kg	Guaranteed maximum
176	**M-5** Nippon Steel	0.3	Specific core loss	50 Hz / 1.5 T (B)	**0.89** W/kg	Typical
177	**M-5** Nippon Steel	0.3	Specific core loss	50 Hz / 1.7 T (B)	**1.29** W/kg	Typical
178	**M-5** Nippon Steel	0.35	Specific core loss	50 Hz / 1.5 T (B)	**1.01** W/kg	Guaranteed maximum
179	**M-5** Nippon Steel	0.35	Specific core loss	50 Hz / 1.5 T (B)	**0.96** W/kg	Typical
180	**M-5** Nippon Steel	0.35	Specific core loss	50 Hz / 1.7 T (B)	**1.35** W/kg	Typical
181	**M-6** Nippon Steel	0.35	Specific core loss	50 Hz / 1.5 T (B)	**1.11** W/kg	Guaranteed maximum
182	**M-6** Nippon Steel	0.35	Specific core loss	50 Hz / 1.5 T (B)	**1.01** W/kg	Typical
183	**M-6** Nippon Steel	0.35	Specific core loss	50 Hz / 1.7 T (B)	**1.46** W/kg	Typical

60 Hz performance

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
184	**20ZDKH65** Nippon Steel	0.2	Specific core loss	60 Hz / 1.5 T (B)	**0.62** W/kg	Typical
185	**20ZDKH65** Nippon Steel	0.2	Specific core loss	60 Hz / 1.7 T (B)	**0.84** W/kg	Typical
186	**20ZDKH70** Nippon Steel	0.2	Specific core loss	60 Hz / 1.5 T (B)	**0.66** W/kg	Typical
187	**20ZDKH70** Nippon Steel	0.2	Specific core loss	60 Hz / 1.7 T (B)	**0.90** W/kg	Typical
188	**20ZDKH75** Nippon Steel	0.2	Specific core loss	60 Hz / 1.5 T (B)	**0.68** W/kg	Typical
189	**20ZDKH75** Nippon Steel	0.2	Specific core loss	60 Hz / 1.7 T (B)	**0.94** W/kg	Typical
190	**20ZDMH70** Nippon Steel	0.2	Specific core loss	60 Hz / 1.5 T (B)	**0.67** W/kg	Typical
191	**20ZDMH70** Nippon Steel	0.2	Specific core loss	60 Hz / 1.7 T (B)	**0.90** W/kg	Typical
192	**20ZDMH75** Nippon Steel	0.2	Specific core loss	60 Hz / 1.5 T (B)	**0.70** W/kg	Typical
193	**20ZDMH75** Nippon Steel	0.2	Specific core loss	60 Hz / 1.7 T (B)	**0.94** W/kg	Typical
194	**20ZH80** Nippon Steel	0.2	Specific core loss	60 Hz / 1.5 T (B)	**0.77** W/kg	Typical
195	**20ZH80** Nippon Steel	0.2	Specific core loss	60 Hz / 1.7 T (B)	**1.03** W/kg	Typical
196	**20ZH85** Nippon Steel	0.2	Specific core loss	60 Hz / 1.5 T (B)	**0.79** W/kg	Typical
197	**20ZH85** Nippon Steel	0.2	Specific core loss	60 Hz / 1.7 T (B)	**1.07** W/kg	Typical
198	**23Z110** Nippon Steel	0.23	Specific core loss	60 Hz / 1.5 T (B)	**0.91** W/kg	Typical
199	**23Z110** Nippon Steel	0.23	Specific core loss	60 Hz / 1.7 T (B)	**1.35** W/kg	Typical
200	**23ZDKH70** Nippon Steel	0.23	Specific core loss	60 Hz / 1.5 T (B)	**0.69** W/kg	Typical
201	**23ZDKH70** Nippon Steel	0.23	Specific core loss	60 Hz / 1.7 T (B)	**0.90** W/kg	Typical
202	**23ZDKH75** Nippon Steel	0.23	Specific core loss	60 Hz / 1.5 T (B)	**0.72** W/kg	Typical
203	**23ZDKH75** Nippon Steel	0.23	Specific core loss	60 Hz / 1.7 T (B)	**0.95** W/kg	Typical
204	**23ZDKH80** Nippon Steel	0.23	Specific core loss	60 Hz / 1.5 T (B)	**0.73** W/kg	Typical
205	**23ZDKH80** Nippon Steel	0.23	Specific core loss	60 Hz / 1.7 T (B)	**0.97** W/kg	Typical
206	**23ZDKH85** Nippon Steel	0.23	Specific core loss	60 Hz / 1.5 T (B)	**0.75** W/kg	Typical
207	**23ZDKH85** Nippon Steel	0.23	Specific core loss	60 Hz / 1.7 T (B)	**1.01** W/kg	Typical
208	**23ZDKH90** Nippon Steel	0.23	Specific core loss	60 Hz / 1.5 T (B)	**0.79** W/kg	Typical
209	**23ZDKH90** Nippon Steel	0.23	Specific core loss	60 Hz / 1.7 T (B)	**1.08** W/kg	Typical
210	**23ZDMH75** Nippon Steel	0.23	Specific core loss	60 Hz / 1.5 T (B)	**0.72** W/kg	Typical

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
211	**23ZDMH75** Nippon Steel	0.23	Specific core loss	60 Hz / 1.7 T (B)	**0.96** W/kg	Typical
212	**23ZDMH80** Nippon Steel	0.23	Specific core loss	60 Hz / 1.5 T (B)	**0.73** W/kg	Typical
213	**23ZDMH80** Nippon Steel	0.23	Specific core loss	60 Hz / 1.7 T (B)	**0.97** W/kg	Typical
214	**23ZDMH85** Nippon Steel	0.23	Specific core loss	60 Hz / 1.5 T (B)	**0.75** W/kg	Typical
215	**23ZDMH85** Nippon Steel	0.23	Specific core loss	60 Hz / 1.7 T (B)	**1.01** W/kg	Typical
216	**23ZDMH90** Nippon Steel	0.23	Specific core loss	60 Hz / 1.5 T (B)	**0.79** W/kg	Typical
217	**23ZDMH90** Nippon Steel	0.23	Specific core loss	60 Hz / 1.7 T (B)	**1.08** W/kg	Typical
218	**23ZH100** Nippon Steel	0.23	Specific core loss	60 Hz / 1.5 T (B)	**0.85** W/kg	Typical
219	**23ZH100** Nippon Steel	0.23	Specific core loss	60 Hz / 1.7 T (B)	**1.20** W/kg	Typical
220	**23ZH85** Nippon Steel	0.23	Specific core loss	60 Hz / 1.5 T (B)	**0.80** W/kg	Typical
221	**23ZH85** Nippon Steel	0.23	Specific core loss	60 Hz / 1.7 T (B)	**1.09** W/kg	Typical
222	**23ZH90** Nippon Steel	0.23	Specific core loss	60 Hz / 1.5 T (B)	**0.82** W/kg	Typical
223	**23ZH90** Nippon Steel	0.23	Specific core loss	60 Hz / 1.7 T (B)	**1.12** W/kg	Typical
224	**23ZH95** Nippon Steel	0.23	Specific core loss	60 Hz / 1.5 T (B)	**0.83** W/kg	Typical
225	**23ZH95** Nippon Steel	0.23	Specific core loss	60 Hz / 1.7 T (B)	**1.16** W/kg	Typical
226	**27Z120** Nippon Steel	0.27	Specific core loss	60 Hz / 1.5 T (B)	**1.03** W/kg	Typical
227	**27Z120** Nippon Steel	0.27	Specific core loss	60 Hz / 1.7 T (B)	**1.48** W/kg	Typical
228	**27Z130** Nippon Steel	0.27	Specific core loss	60 Hz / 1.5 T (B)	**1.07** W/kg	Typical
229	**27Z130** Nippon Steel	0.27	Specific core loss	60 Hz / 1.7 T (B)	**1.56** W/kg	Typical
230	**27ZDKH85** Nippon Steel	0.27	Specific core loss	60 Hz / 1.5 T (B)	**0.81** W/kg	Typical
231	**27ZDKH85** Nippon Steel	0.27	Specific core loss	60 Hz / 1.7 T (B)	**1.07** W/kg	Typical
232	**27ZDKH90** Nippon Steel	0.27	Specific core loss	60 Hz / 1.5 T (B)	**0.84** W/kg	Typical
233	**27ZDKH90** Nippon Steel	0.27	Specific core loss	60 Hz / 1.7 T (B)	**1.11** W/kg	Typical
234	**27ZDKH95** Nippon Steel	0.27	Specific core loss	60 Hz / 1.5 T (B)	**0.88** W/kg	Typical
235	**27ZDKH95** Nippon Steel	0.27	Specific core loss	60 Hz / 1.7 T (B)	**1.16** W/kg	Typical
236	**27ZH100** Nippon Steel	0.27	Specific core loss	60 Hz / 1.5 T (B)	**0.92** W/kg	Typical
237	**27ZH100** Nippon Steel	0.27	Specific core loss	60 Hz / 1.7 T (B)	**1.25** W/kg	Typical
238	**27ZH110** Nippon Steel	0.27	Specific core loss	60 Hz / 1.5 T (B)	**0.97** W/kg	Typical

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
239	**27ZH110** Nippon Steel	0.27	Specific core loss	60 Hz / 1.7 T (B)	**1.34** W/kg	Typical
240	**27ZH90** Nippon Steel	0.27	Specific core loss	60 Hz / 1.5 T (B)	**0.88** W/kg	Typical
241	**27ZH90** Nippon Steel	0.27	Specific core loss	60 Hz / 1.7 T (B)	**1.18** W/kg	Typical
242	**27ZH95** Nippon Steel	0.27	Specific core loss	60 Hz / 1.5 T (B)	**0.91** W/kg	Typical
243	**27ZH95** Nippon Steel	0.27	Specific core loss	60 Hz / 1.7 T (B)	**1.22** W/kg	Typical
244	**30Z120** Nippon Steel	0.3	Specific core loss	60 Hz / 1.5 T (B)	**1.07** W/kg	Typical
245	**30Z120** Nippon Steel	0.3	Specific core loss	60 Hz / 1.7 T (B)	**1.52** W/kg	Typical
246	**30Z130** Nippon Steel	0.3	Specific core loss	60 Hz / 1.5 T (B)	**1.12** W/kg	Typical
247	**30Z130** Nippon Steel	0.3	Specific core loss	60 Hz / 1.7 T (B)	**1.60** W/kg	Typical
248	**30Z140** Nippon Steel	0.3	Specific core loss	60 Hz / 1.5 T (B)	**1.19** W/kg	Typical
249	**30Z140** Nippon Steel	0.3	Specific core loss	60 Hz / 1.7 T (B)	**1.70** W/kg	Typical
250	**30ZH100** Nippon Steel	0.3	Specific core loss	60 Hz / 1.5 T (B)	**0.95** W/kg	Typical
251	**30ZH100** Nippon Steel	0.3	Specific core loss	60 Hz / 1.7 T (B)	**1.28** W/kg	Typical
252	**30ZH105** Nippon Steel	0.3	Specific core loss	60 Hz / 1.5 T (B)	**0.98** W/kg	Typical
253	**30ZH105** Nippon Steel	0.3	Specific core loss	60 Hz / 1.7 T (B)	**1.32** W/kg	Typical
254	**30ZH110** Nippon Steel	0.3	Specific core loss	60 Hz / 1.5 T (B)	**1.00** W/kg	Typical
255	**30ZH110** Nippon Steel	0.3	Specific core loss	60 Hz / 1.7 T (B)	**1.37** W/kg	Typical
256	**30ZH120** Nippon Steel	0.3	Specific core loss	60 Hz / 1.5 T (B)	**1.07** W/kg	Typical
257	**30ZH120** Nippon Steel	0.3	Specific core loss	60 Hz / 1.7 T (B)	**1.46** W/kg	Typical
258	**30ZH95** Nippon Steel	0.3	Specific core loss	60 Hz / 1.5 T (B)	**0.94** W/kg	Typical
259	**30ZH95** Nippon Steel	0.3	Specific core loss	60 Hz / 1.7 T (B)	**1.24** W/kg	Typical
260	**35Z135** Nippon Steel	0.35	Specific core loss	60 Hz / 1.5 T (B)	**1.24** W/kg	Typical
261	**35Z135** Nippon Steel	0.35	Specific core loss	60 Hz / 1.7 T (B)	**1.74** W/kg	Typical
262	**35Z145** Nippon Steel	0.35	Specific core loss	60 Hz / 1.5 T (B)	**1.29** W/kg	Typical
263	**35Z145** Nippon Steel	0.35	Specific core loss	60 Hz / 1.7 T (B)	**1.81** W/kg	Typical
264	**35Z155** Nippon Steel	0.35	Specific core loss	60 Hz / 1.5 T (B)	**1.33** W/kg	Typical
265	**35Z155** Nippon Steel	0.35	Specific core loss	60 Hz / 1.7 T (B)	**1.90** W/kg	Typical
266	**35ZH110** Nippon Steel	0.35	Specific core loss	60 Hz / 1.5 T (B)	**1.08** W/kg	Typical

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
267	**35ZH110** Nippon Steel	0.35	Specific core loss	60 Hz / 1.7 T (B)	**1.41** W/kg	Typical
268	**35ZH115** Nippon Steel	0.35	Specific core loss	60 Hz / 1.5 T (B)	**1.12** W/kg	Typical
269	**35ZH115** Nippon Steel	0.35	Specific core loss	60 Hz / 1.7 T (B)	**1.50** W/kg	Typical
270	**35ZH125** Nippon Steel	0.35	Specific core loss	60 Hz / 1.5 T (B)	**1.21** W/kg	Typical
271	**35ZH125** Nippon Steel	0.35	Specific core loss	60 Hz / 1.7 T (B)	**1.62** W/kg	Typical
272	**35ZH135** Nippon Steel	0.35	Specific core loss	60 Hz / 1.5 T (B)	**1.26** W/kg	Typical
273	**35ZH135** Nippon Steel	0.35	Specific core loss	60 Hz / 1.7 T (B)	**1.69** W/kg	Typical
274	**M-0H** Nippon Steel	0.23	Specific core loss	60 Hz / 1.5 T (B)	**0.84** W/kg	Typical
275	**M-0H** Nippon Steel	0.23	Specific core loss	60 Hz / 1.7 T (B)	**1.16** W/kg	Typical
276	**M-0H** Nippon Steel	0.27	Specific core loss	60 Hz / 1.5 T (B)	**0.94** W/kg	Typical
277	**M-0H** Nippon Steel	0.27	Specific core loss	60 Hz / 1.7 T (B)	**1.27** W/kg	Typical
278	**M-0H** Nippon Steel	0.3	Specific core loss	60 Hz / 1.5 T (B)	**0.97** W/kg	Typical
279	**M-0H** Nippon Steel	0.3	Specific core loss	60 Hz / 1.7 T (B)	**1.32** W/kg	Typical
280	**M-1** Nippon Steel	0.23	Specific core loss	60 Hz / 1.5 T (B)	**0.88** W/kg	Typical
281	**M-1** Nippon Steel	0.23	Specific core loss	60 Hz / 1.7 T (B)	**1.30** W/kg	Typical
282	**M-1H** Nippon Steel	0.27	Specific core loss	60 Hz / 1.5 T (B)	**0.97** W/kg	Typical
283	**M-1H** Nippon Steel	0.27	Specific core loss	60 Hz / 1.7 T (B)	**1.34** W/kg	Typical
284	**M-1H** Nippon Steel	0.3	Specific core loss	60 Hz / 1.5 T (B)	**1.01** W/kg	Typical
285	**M-1H** Nippon Steel	0.3	Specific core loss	60 Hz / 1.7 T (B)	**1.39** W/kg	Typical
286	**M-1H** Nippon Steel	0.35	Specific core loss	60 Hz / 1.5 T (B)	**1.13** W/kg	Typical
287	**M-1H** Nippon Steel	0.35	Specific core loss	60 Hz / 1.7 T (B)	**1.52** W/kg	Typical
288	**M-2** Nippon Steel	0.23	Specific core loss	60 Hz / 1.5 T (B)	**0.93** W/kg	Typical
289	**M-2** Nippon Steel	0.23	Specific core loss	60 Hz / 1.7 T (B)	**1.37** W/kg	Typical
290	**M-3** Nippon Steel	0.23	Specific core loss	60 Hz / 1.5 T (B)	**0.97** W/kg	Typical
291	**M-3** Nippon Steel	0.23	Specific core loss	60 Hz / 1.7 T (B)	**1.43** W/kg	Typical
292	**M-3** Nippon Steel	0.27	Specific core loss	60 Hz / 1.5 T (B)	**1.03** W/kg	Typical
293	**M-3** Nippon Steel	0.27	Specific core loss	60 Hz / 1.7 T (B)	**1.48** W/kg	Typical
294	**M-3** Nippon Steel	0.3	Specific core loss	60 Hz / 1.5 T (B)	**1.08** W/kg	Typical

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
295	**M-3** Nippon Steel	0.3	Specific core loss	60 Hz / 1.7 T (B)	**1.54** W/kg	Typical
296	**M-4** Nippon Steel	0.27	Specific core loss	60 Hz / 1.5 T (B)	**1.09** W/kg	Typical
297	**M-4** Nippon Steel	0.27	Specific core loss	60 Hz / 1.7 T (B)	**1.52** W/kg	Typical
298	**M-4** Nippon Steel	0.3	Specific core loss	60 Hz / 1.5 T (B)	**1.12** W/kg	Typical
299	**M-4** Nippon Steel	0.3	Specific core loss	60 Hz / 1.7 T (B)	**1.61** W/kg	Typical
300	**M-5** Nippon Steel	0.3	Specific core loss	60 Hz / 1.5 T (B)	**1.17** W/kg	Typical
301	**M-5** Nippon Steel	0.3	Specific core loss	60 Hz / 1.7 T (B)	**1.68** W/kg	Typical
302	**M-5** Nippon Steel	0.35	Specific core loss	60 Hz / 1.5 T (B)	**1.26** W/kg	Typical
303	**M-5** Nippon Steel	0.35	Specific core loss	60 Hz / 1.7 T (B)	**1.76** W/kg	Typical
304	**M-6** Nippon Steel	0.35	Specific core loss	60 Hz / 1.5 T (B)	**1.32** W/kg	Typical
305	**M-6** Nippon Steel	0.35	Specific core loss	60 Hz / 1.7 T (B)	**1.90** W/kg	Typical

Other properties

Frequency not separately reported

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
306	**20ZDKH65** Nippon Steel	0.2	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
307	**20ZDKH65** Nippon Steel	0.2	Magnetic induction	H = 800 A/m	**1.91** T	Typical
308	**20ZDKH65** Nippon Steel	0.2	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
309	**20ZDKH70** Nippon Steel	0.2	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
310	**20ZDKH70** Nippon Steel	0.2	Magnetic induction	H = 800 A/m	**1.91** T	Typical
311	**20ZDKH70** Nippon Steel	0.2	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
312	**20ZDKH75** Nippon Steel	0.2	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
313	**20ZDKH75** Nippon Steel	0.2	Magnetic induction	H = 800 A/m	**1.90** T	Typical
314	**20ZDKH75** Nippon Steel	0.2	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
315	**20ZDMH70** Nippon Steel	0.2	Magnetic induction	H = 800 A/m	**1.87** T	Guaranteed minimum
316	**20ZDMH70** Nippon Steel	0.2	Magnetic induction	H = 800 A/m	**1.90** T	Typical
317	**20ZDMH70** Nippon Steel	0.2	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
318	**20ZDMH75** Nippon Steel	0.2	Magnetic induction	H = 800 A/m	**1.87** T	Guaranteed minimum
319	**20ZDMH75** Nippon Steel	0.2	Magnetic induction	H = 800 A/m	**1.90** T	Typical

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
320	**20ZDMH75** Nippon Steel	0.2	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
321	**20ZH80** Nippon Steel	0.2	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
322	**20ZH80** Nippon Steel	0.2	Magnetic induction	H = 800 A/m	**1.91** T	Typical
323	**20ZH80** Nippon Steel	0.2	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
324	**20ZH85** Nippon Steel	0.2	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
325	**20ZH85** Nippon Steel	0.2	Magnetic induction	H = 800 A/m	**1.90** T	Typical
326	**20ZH85** Nippon Steel	0.2	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
327	**23Z110** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.80** T	Guaranteed minimum
328	**23Z110** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.88** T	Typical
329	**23Z110** Nippon Steel	0.23	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
330	**23ZDKH70** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
331	**23ZDKH70** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.92** T	Typical
332	**23ZDKH70** Nippon Steel	0.23	Magnetic induction	H = 2500 A/m	**1.95** T	Typical
333	**23ZDKH75** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
334	**23ZDKH75** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.92** T	Typical
335	**23ZDKH75** Nippon Steel	0.23	Magnetic induction	H = 2500 A/m	**1.95** T	Typical
336	**23ZDKH80** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
337	**23ZDKH80** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.92** T	Typical
338	**23ZDKH80** Nippon Steel	0.23	Magnetic induction	H = 2500 A/m	**1.95** T	Typical
339	**23ZDKH85** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
340	**23ZDKH85** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.91** T	Typical
341	**23ZDKH85** Nippon Steel	0.23	Magnetic induction	H = 2500 A/m	**1.95** T	Typical
342	**23ZDKH90** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
343	**23ZDKH90** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.91** T	Typical
344	**23ZDKH90** Nippon Steel	0.23	Magnetic induction	H = 2500 A/m	**1.95** T	Typical
345	**23ZDMH75** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.87** T	Guaranteed minimum
346	**23ZDMH75** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.91** T	Typical
347	**23ZDMH75** Nippon Steel	0.23	Magnetic induction	H = 2500 A/m	**1.94** T	Typical

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
348	**23ZDMH80** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.87** T	Guaranteed minimum
349	**23ZDMH80** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.91** T	Typical
350	**23ZDMH80** Nippon Steel	0.23	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
351	**23ZDMH85** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.87** T	Guaranteed minimum
352	**23ZDMH85** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.91** T	Typical
353	**23ZDMH85** Nippon Steel	0.23	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
354	**23ZDMH90** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.87** T	Guaranteed minimum
355	**23ZDMH90** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.91** T	Typical
356	**23ZDMH90** Nippon Steel	0.23	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
357	**23ZH100** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
358	**23ZH100** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.90** T	Typical
359	**23ZH100** Nippon Steel	0.23	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
360	**23ZH85** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
361	**23ZH85** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.92** T	Typical
362	**23ZH85** Nippon Steel	0.23	Magnetic induction	H = 2500 A/m	**1.95** T	Typical
363	**23ZH90** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
364	**23ZH90** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.92** T	Typical
365	**23ZH90** Nippon Steel	0.23	Magnetic induction	H = 2500 A/m	**1.96** T	Typical
366	**23ZH95** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
367	**23ZH95** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.91** T	Typical
368	**23ZH95** Nippon Steel	0.23	Magnetic induction	H = 2500 A/m	**1.95** T	Typical
369	**27Z120** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.80** T	Guaranteed minimum
370	**27Z120** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.88** T	Typical
371	**27Z120** Nippon Steel	0.27	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
372	**27Z130** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.80** T	Guaranteed minimum
373	**27Z130** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.88** T	Typical
374	**27Z130** Nippon Steel	0.27	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
375	**27ZDKH85** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
376	**27ZDKH85** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.92** T	Typical
377	**27ZDKH85** Nippon Steel	0.27	Magnetic induction	H = 2500 A/m	**1.95** T	Typical
378	**27ZDKH90** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
379	**27ZDKH90** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.91** T	Typical
380	**27ZDKH90** Nippon Steel	0.27	Magnetic induction	H = 2500 A/m	**1.95** T	Typical
381	**27ZDKH95** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
382	**27ZDKH95** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.91** T	Typical
383	**27ZDKH95** Nippon Steel	0.27	Magnetic induction	H = 2500 A/m	**1.95** T	Typical
384	**27ZH100** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
385	**27ZH100** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.91** T	Typical
386	**27ZH100** Nippon Steel	0.27	Magnetic induction	H = 2500 A/m	**1.96** T	Typical
387	**27ZH110** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
388	**27ZH110** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.90** T	Typical
389	**27ZH110** Nippon Steel	0.27	Magnetic induction	H = 2500 A/m	**1.95** T	Typical
390	**27ZH90** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
391	**27ZH90** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.92** T	Typical
392	**27ZH90** Nippon Steel	0.27	Magnetic induction	H = 2500 A/m	**1.96** T	Typical
393	**27ZH95** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
394	**27ZH95** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.92** T	Typical
395	**27ZH95** Nippon Steel	0.27	Magnetic induction	H = 2500 A/m	**1.96** T	Typical
396	**30Z120** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.80** T	Guaranteed minimum
397	**30Z120** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.88** T	Typical
398	**30Z120** Nippon Steel	0.3	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
399	**30Z130** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.80** T	Guaranteed minimum
400	**30Z130** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.88** T	Typical
401	**30Z130** Nippon Steel	0.3	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
402	**30Z140** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.80** T	Guaranteed minimum
403	**30Z140** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.88** T	Typical

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
404	**30Z140** Nippon Steel	0.3	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
405	**30ZH100** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
406	**30ZH100** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.92** T	Typical
407	**30ZH100** Nippon Steel	0.3	Magnetic induction	H = 2500 A/m	**1.96** T	Typical
408	**30ZH105** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
409	**30ZH105** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.91** T	Typical
410	**30ZH105** Nippon Steel	0.3	Magnetic induction	H = 2500 A/m	**1.96** T	Typical
411	**30ZH110** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
412	**30ZH110** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.90** T	Typical
413	**30ZH110** Nippon Steel	0.3	Magnetic induction	H = 2500 A/m	**1.95** T	Typical
414	**30ZH120** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
415	**30ZH120** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.90** T	Typical
416	**30ZH120** Nippon Steel	0.3	Magnetic induction	H = 2500 A/m	**1.95** T	Typical
417	**30ZH95** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
418	**30ZH95** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.91** T	Typical
419	**30ZH95** Nippon Steel	0.3	Magnetic induction	H = 2500 A/m	**1.96** T	Typical
420	**35Z135** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.80** T	Guaranteed minimum
421	**35Z135** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.88** T	Typical
422	**35Z135** Nippon Steel	0.35	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
423	**35Z145** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.80** T	Guaranteed minimum
424	**35Z145** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.88** T	Typical
425	**35Z145** Nippon Steel	0.35	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
426	**35Z155** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.80** T	Guaranteed minimum
427	**35Z155** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.88** T	Typical
428	**35Z155** Nippon Steel	0.35	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
429	**35ZH110** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
430	**35ZH110** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.92** T	Typical
431	**35ZH110** Nippon Steel	0.35	Magnetic induction	H = 2500 A/m	**1.96** T	Typical

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
432	**35ZH115** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
433	**35ZH115** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.92** T	Typical
434	**35ZH115** Nippon Steel	0.35	Magnetic induction	H = 2500 A/m	**1.96** T	Typical
435	**35ZH125** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
436	**35ZH125** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.92** T	Typical
437	**35ZH125** Nippon Steel	0.35	Magnetic induction	H = 2500 A/m	**1.96** T	Typical
438	**35ZH135** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
439	**35ZH135** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.91** T	Typical
440	**35ZH135** Nippon Steel	0.35	Magnetic induction	H = 2500 A/m	**1.96** T	Typical
441	**M-0H** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
442	**M-0H** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.90** T	Typical
443	**M-0H** Nippon Steel	0.23	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
444	**M-0H** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
445	**M-0H** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.91** T	Typical
446	**M-0H** Nippon Steel	0.27	Magnetic induction	H = 2500 A/m	**1.96** T	Typical
447	**M-0H** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
448	**M-0H** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.91** T	Typical
449	**M-0H** Nippon Steel	0.3	Magnetic induction	H = 2500 A/m	**1.96** T	Typical
450	**M-1** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.80** T	Guaranteed minimum
451	**M-1** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.88** T	Typical
452	**M-1** Nippon Steel	0.23	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
453	**M-1H** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
454	**M-1H** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.90** T	Typical
455	**M-1H** Nippon Steel	0.27	Magnetic induction	H = 2500 A/m	**1.95** T	Typical
456	**M-1H** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum
457	**M-1H** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.90** T	Typical
458	**M-1H** Nippon Steel	0.3	Magnetic induction	H = 2500 A/m	**1.95** T	Typical
459	**M-1H** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.88** T	Guaranteed minimum

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
460	**M-1H** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.92** T	Typical
461	**M-1H** Nippon Steel	0.35	Magnetic induction	H = 2500 A/m	**1.96** T	Typical
462	**M-2** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.80** T	Guaranteed minimum
463	**M-2** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.88** T	Typical
464	**M-2** Nippon Steel	0.23	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
465	**M-3** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.80** T	Guaranteed minimum
466	**M-3** Nippon Steel	0.23	Magnetic induction	H = 800 A/m	**1.88** T	Typical
467	**M-3** Nippon Steel	0.23	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
468	**M-3** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.80** T	Guaranteed minimum
469	**M-3** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.88** T	Typical
470	**M-3** Nippon Steel	0.27	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
471	**M-3** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.80** T	Guaranteed minimum
472	**M-3** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.88** T	Typical
473	**M-3** Nippon Steel	0.3	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
474	**M-4** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.80** T	Guaranteed minimum
475	**M-4** Nippon Steel	0.27	Magnetic induction	H = 800 A/m	**1.89** T	Typical
476	**M-4** Nippon Steel	0.27	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
477	**M-4** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.80** T	Guaranteed minimum
478	**M-4** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.88** T	Typical
479	**M-4** Nippon Steel	0.3	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
480	**M-5** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.80** T	Guaranteed minimum
481	**M-5** Nippon Steel	0.3	Magnetic induction	H = 800 A/m	**1.88** T	Typical
482	**M-5** Nippon Steel	0.3	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
483	**M-5** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.80** T	Guaranteed minimum
484	**M-5** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.88** T	Typical
485	**M-5** Nippon Steel	0.35	Magnetic induction	H = 2500 A/m	**1.94** T	Typical
486	**M-6** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.80** T	Guaranteed minimum
487	**M-6** Nippon Steel	0.35	Magnetic induction	H = 800 A/m	**1.88** T	Typical

Number	Mill / grade	Thickness mm	Property	Test point	Value	Value type
488	**M-6** Nippon Steel	0.35	Magnetic induction	H = 2500 A/m	**1.94** T	Typical

Manufacturer sources and test conditions

Use table and row references to find the original test conditions.

Nippon Steel

Electrical Steel Sheets

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PDF page 10 · Data rows 1, 3-4, 6-7, 9, 25, 27-28, 30-31, 33-34, 36-37, 39, 70, 72-73, 75-76, 78, 184-189, 200-209, 230-235, 307-308, 310-311, 313-314, 331-332, 334-335, 337-338, 340-341, 343-344, 376-377, 379-380, 382-383

Source pages and test methods ORIENTCORE HI-B LS / ZDKH, Typical · See source conditions

Notes on test conditions JIS C 2556:2015; as-sheared single-sheet specimens, without stress-relief annealing.

PDF page 9 · Data rows 2, 5, 8, 26, 29, 32, 35, 38, 71, 74, 77, 306, 309, 312, 330, 333, 336, 339, 342, 375, 378, 381

Source pages and test methods ORIENTCORE HI-B LS / ZDKH, Grade and Specification · See source conditions

Notes on test conditions JIS C 2556:2015; as-sheared single-sheet specimens, without stress-relief annealing.

PDF page 10 · Data rows 10, 12-13, 15, 40, 42-43, 45-46, 48-49, 51, 190-193, 210-217, 316-317, 319-320, 346-347, 349-350, 352-353, 355-356

Source pages and test methods ORIENTCORE HI-B PM / ZDMH, Typical · See source conditions

Notes on test conditions JIS C 2550:2000; specimens taken along rolling direction and tested after stress-relief annealing.

PDF page 9 · Data rows 11, 14, 41, 44, 47, 50, 315, 318, 345, 348, 351, 354

Source pages and test methods ORIENTCORE HI-B PM / ZDMH, Grade and Specification · See source conditions

Notes on test conditions JIS C 2550:2000; specimens taken along rolling direction and tested after stress-relief annealing.

PDF page 6 · Data rows 16, 18-19, 21, 52, 54-55, 57-58, 60-61, 63, 79, 81-82, 84-85, 87-88, 90, 100, 102-103, 105-106, 108-109, 111-112, 114, 124, 126-127, 129-130, 132-133, 135, 194-197, 218-225, 236-243, 250-259, 266-273, 322-323, 325-326, 358-359, 361-362, 364-365, 367-368, 385-386, 388-389, 391-392, 394-395, 406-407, 409-410, 412-413, 415-416, 418-419, 430-431, 433-434, 436-437, 439-440

Source pages and test methods ORIENTCORE HI-B, Typical · See source conditions

Notes on test conditions JIS C 2550:2000; specimens taken along rolling direction and tested after stress-relief annealing.

PDF page 5 · Data rows 17, 20, 53, 56, 59, 62, 80, 83, 86, 89, 101, 104, 107, 110, 113, 125, 128, 131, 134, 321, 324, 357, 360, 363, 366, 384, 387, 390, 393, 405, 408, 411, 414, 417, 429, 432, 435, 438

Source pages and test methods ORIENTCORE HI-B, Grade and Specification · See source conditions

Notes on test conditions JIS C 2550:2000; specimens taken along rolling direction and tested after stress-relief annealing.

PDF page 6 · Data rows 22, 24, 64, 66-67, 69, 91, 93-94, 96-97, 99, 115, 117-118, 120-121, 123, 198-199, 226-229, 244-249, 260-265, 328-329, 370-371, 373-374, 397-398, 400-401, 403-404, 421-422, 424-425, 427-428

Source pages and test methods ORIENTCORE, Typical · See source conditions

Notes on test conditions JIS C 2550:2000; specimens taken along rolling direction and tested after stress-relief annealing.

PDF page 5 · Data rows 23, 65, 68, 92, 95, 98, 116, 119, 122, 327, 369, 372, 396, 399, 402, 420, 423, 426

Source pages and test methods ORIENTCORE, Grade and Specification · See source conditions

Notes on test conditions JIS C 2550:2000; specimens taken along rolling direction and tested after stress-relief annealing.

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Source pages and test methods ORIENTCORE HI-B AISI, Typical · See source conditions

Notes on test conditions JIS C 2550:2000; specimens taken along rolling direction and tested after stress-relief annealing.

PDF page 7 · Data rows 137, 140, 143, 149, 152, 155, 441, 444, 447, 453, 456, 459

Source pages and test methods ORIENTCORE HI-B AISI, Grade and Specification · See source conditions

Notes on test conditions JIS C 2550:2000; specimens taken along rolling direction and tested after stress-relief annealing.

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Source pages and test methods ORIENTCORE AISI, Grade and Specification · See source conditions
Notes on test conditions JIS C 2550:2000; specimens taken along rolling direction and tested after stress-relief annealing.

PDF page 8 · **Data rows 146-147, 158-159, 161-162, 164-165, 167-168, 170-171, 173-174, 176-177, 179-180, 182-183, 280-281, 288-305, 451-452, 463-464, 466-467, 469-470, 472-473, 475-476, 478-479, 481-482, 484-485, 487-488**
Source pages and test methods ORIENTCORE AISI, Typical · See source conditions
Notes on test conditions JIS C 2550:2000; specimens taken along rolling direction and tested after stress-relief annealing.

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Mill specifications and written order terms govern acceptance. Typical and reference values are for assessment.
Strip data are for engineering reference. Finished-core loss requires separate validation.
Revision 2026-11-14.2