M-1H

CRGO performance data

Query summary

Grade	M-1H
Mill and thickness	JFE Steel · 0.35 mm
Published frequency	50 Hz / 60 Hz
Published flux density range	1.5-1.7 T
Distinct flux density levels	2
Properties	Specific core loss · Magnetic polarization

50 Hz performance

Table 01 · Rolling-direction stress-relief annealed

J (T)	Specific core loss Guaranteed maximum · W/kg	Specific core loss Typical · W/kg
1.5	0.87	0.86
1.7	1.16	1.14

60 Hz performance

Table 02 · Rolling-direction stress-relief annealed

J (T)	Specific core loss Guaranteed maximum · W/kg	Specific core loss Typical · W/kg
1.5	1.15	1.14
1.7	1.53	1.54

Other properties

Frequency not separately reported
Table 03 · Rolling-direction stress-relief annealed

Field strength (A/m)	Magnetic polarization Guaranteed minimum · T	Magnetic polarization Typical · T
800	1.88	1.89

A dash indicates a value that was not published.

Manufacturer sources and test conditions

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

JFE Steel

Electrical Steel Sheets

Revision Cat. No. F1E-001-08; footer code 2003R(1903) JTR Official document

PDF page 10 · Table 01,02,03
AISI: Grades and Specifications · See source conditions
Notes on test conditions JIS C 2550-1:2011 (practically the same as ASTM A343), rolling-direction specimens, stress-relief annealed; AISI section.
Table 2 · Specific core loss · Guaranteed maximum · W/kg · 1.5

PDF page 11 · Table 01,02,03
AISI: Typical Magnetic Properties · See source conditions
Notes on test conditions JIS C 2550-1:2011 (practically the same as ASTM A343), rolling-direction specimens, stress-relief annealed; AISI section.
Table 2 · Specific core loss · Typical · W/kg · 1.5

PDF page 10 · Table 02
AISI: Grades and Specifications · See source conditions
Notes on test conditions JIS C 2550-1:2011 (practically the same as ASTM A343), rolling-direction specimens, stress-relief annealed; AISI section. As printed: the published typical point is 0.01 W/kg above the separate maximum specification at this setting. Confirm the applicable guarantee with the mill.
Table 2 · Specific core loss · Guaranteed maximum · W/kg · 1.7

PDF page 11 · Table 02
AISI: Typical Magnetic Properties · See source conditions
Notes on test conditions JIS C 2550-1:2011 (practically the same as ASTM A343), rolling-direction specimens, stress-relief annealed; AISI section. As printed: the published typical point is 0.01 W/kg above the separate maximum specification at this setting. Confirm the applicable guarantee with the mill.
Table 2 · Specific core loss · Typical · W/kg · 1.7

Independent compilation

Compiled by Chenfan Electric from published mill data. No manufacturer endorsement.
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