B35G145

CRGO performance data

Query summary

Grade	B35G145
Mill and thickness	Baosteel · 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 · Stacking factor

50 Hz performance

Table 01 · GB/T 3655 (Epstein frame)

J (T)	Specific core loss Guaranteed maximum · W/kg	Specific core loss Typical · W/kg	Specific core loss Published reference · W/kg
1.5	-	0.93	0.95
1.7	1.25	1.23	-

60 Hz performance

Table 02 · GB/T 3655 (Epstein frame)

J (T)	Specific core loss Guaranteed maximum · W/kg	Specific core loss Typical · W/kg	Specific core loss Published reference · W/kg
1.5	-	1.25	1.27
1.7	1.67	1.64	-

Other properties

Frequency not separately reported
Table 03 · GB/T 3655 (Epstein frame)

Field strength (A/m)	Magnetic polarization Guaranteed minimum · T	Magnetic polarization Typical · T
800	1.86	1.89

Table 04 · GB/T 19289

Property	Stacking factor Guaranteed minimum · dimensionless
Stacking factor	0.965

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.

Baosteel

Cold-rolled grain-oriented electrical steel strip delivered in the fully processed state

Revision Q/BQB 485-2023 (issued 2023-04-09, effective 2023-07-01) Official document

PDF page 10 · Table 01,02
Table 3 · GB/T 3655 (Epstein frame)
Notes on test conditions Clause 7.1.2 specifies stress-relief annealing before GB/T 3655 testing; a GB/T 13789 method can be agreed separately.

PDF page 26 · Table 01,02
Table D.1 · GB/T 3655 (Epstein frame)
Notes on test conditions Appendix D typical value; individual specimen setup not separately reported. Clause 7.1.2 specifies stress-relief annealing before GB/T 3655 testing; a GB/T 13789 method can be agreed separately.

PDF page 10 · Table 01,02
Table 3 · GB/T 3655 (Epstein frame)
Notes on test conditions Clause 7.1.2 specifies stress-relief annealing before GB/T 3655 testing; a GB/T 13789 method can be agreed separately. The 1.5 T column is a reference under table footnote a; it becomes a supply criterion only by agreement.

PDF page 10 · Table 03
Table 3 · GB/T 3655 (Epstein frame)
Notes on test conditions Clause 7.1.2 specifies stress-relief annealing before GB/T 3655 testing; a GB/T 13789 method can be agreed separately. J800 at peak field H=800 A/m; table does not separately state frequency.

PDF page 26 · Table 03
Table D.1 · GB/T 3655 (Epstein frame)
Notes on test conditions Appendix D typical value; individual specimen setup not separately reported. Clause 7.1.2 specifies stress-relief annealing before GB/T 3655 testing; a GB/T 13789 method can be agreed separately. J800 at peak field H=800 A/m; table does not separately state frequency.

PDF page 10 · Table 04
Table 3 · GB/T 19289
Notes on test conditions Dimensionless factor; not a frequency-specific magnetic test.

Independent compilation

Compiled by Chenfan Electric from published mill data.
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