# B35P125

CRGO performance data

## Query summary

| | |
|---|---|
| Grade | B35P125 |
| 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<br>Guaranteed maximum · W/kg | Specific core loss<br>Typical · W/kg | Specific core loss<br>Published reference · W/kg |
|---|---|---|---|
| **1.5** | - | 0.86 | 0.87 |
| **1.7** | 1.15 | 1.14 | - |

## 60 Hz performance

Table 02 · GB/T 3655 (Epstein frame)

| J (T) | Specific core loss<br>Guaranteed maximum · W/kg | Specific core loss<br>Typical · W/kg | Specific core loss<br>Published reference · W/kg |
|---|---|---|---|
| **1.5** | - | 1.16 | 1.17 |
| **1.7** | 1.53 | 1.52 | - |

## Other properties

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

| Field strength (A/m) | Magnetic polarization<br>Guaranteed minimum · T | Magnetic polarization<br>Typical · T |
|---|---|---|
| **800** | 1.90 | 1.91 |

Table 04 · GB/T 19289

| Property | Stacking factor<br>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 11 · Table 01,02**
Table 4 · 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 11 · Table 01,02**
Table 4 · 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 11 · Table 03**
Table 4 · 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 11 · Table 04**
Table 4 · 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. 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