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ICS 29.280
CCS S35

TB

RAILWAY INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

TB/T 3117-2005

Railway applications. Rolling stock. Combined testing of inverter-fed alternating current motors and their control

铁路应用 机车车辆 逆变器供电的交流电动机及其控制系统的综合试验

(English Translation)

Issued on: June 27, 2005 **Implemented on: December 1, 2005**

Issued by: National Railway Administration

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1 Foreword

TB/T 3117-2005 was issued by National Railway Administration on 27 June 2005 and has been in force since 1 December 2005.

The TB/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 12 pages in English translation.

2 Scope Preview

This standard specifies the locomotive inverter, AC motor and associated control system consisting of electric drive performance, features, and with trials to test its performance properties of the method. This standard applies to motor vehicle locomotive, a combination of an inverter and its control system.

TB/T 3117-2005 falls under ICS 29.280, in the field of electrical engineering.

This catalogue holds 63 other TB/T standards in that field.

In this catalogue, TB/T standards carry edition years from 1973 to 2026.

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3 About this standard

Sector: Railway & Train Industry Standard (Recommended)

Issued by: National Railway Administration

English translation: about 12 pages (approximate)

Chinese original: about 18,115 characters

4 Related standards

Standards on related subjects:

GB/T 6770-2020 - Special safety regulations for driver's cabs of locomotives

GB/T 21561.3-2016 - Railway applications - Rolling stock pantographs characteristics and tests - Part 3: Interface between pantograph and rolling stock for mainline vehicles

TB/T 2765.2-2015 - Training Monitoring Device - Part 2: Recording

TB/T 3603-2025 - Railway signalling relays - Programmable time relay

TB/T 3602-2025 - Centralized signaling monitoring system

TB/T 3333-2025 - Driver's cab equipment - Technical conditions of vigilance devices

5 Classification and status

International classification (ICS): 29.280

Chinese Standard Classification (CCS): S 35

Prefix TB/T: recommended standard.

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