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**Mechanical transport refrigeration  
units—Test method of cooling  
capacity**

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## Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by The Japan Refrigeration and Air Conditioning Industry Association (JRAIA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS B 8614:2007** is replaced with this Standard.

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# Mechanical transport refrigeration units— Test method of cooling capacity

## Introduction

This Japanese Industrial Standard was established in 1981 and has gone through three revisions up to the present. The last revision was made in 2007, and the revision at this time is to respond to modifications in technical contents including the change in the number of revolutions of compressors and the introduction of regulation on the low-pressure piping length.

No corresponding International Standard has been established at this point.

## 1 Scope

This Standard specifies the cooling capacity test method of the mechanical transport refrigeration unit which cools inside the insulated bodies of vehicles using an evaporator equipped with a blower (hereafter referred to as refrigeration units) among refrigeration units to be installed in the insulated or refrigerated vehicles which transport goods at a fixed temperature.

## 2 Normative reference

No normative reference is available.

## 3 Terms and definitions

For the purpose of this Standard, the following terms and definitions apply.

### 3.1

#### refrigeration unit

equipment which consists of a compressor, drive unit, condenser, evaporator, refrigerant line, control device, electric wiring, etc. and which can be installed on vehicles for the purpose of refrigeration (including insulation) inside the bodies of vehicles

### 3.2

#### drive unit

power unit for driving a compressor

### 3.3

#### main prime mover drive refrigeration unit

refrigeration unit driving a compressor by the driving force of a mover for running vehicles

### 3.4

#### auxiliary prime mover drive refrigeration unit

refrigeration unit driving a compressor by the driving force of a mover exclusively for refrigerators