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**Requirements of the components of
the gas engine driven cogeneration
package**

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Contents

		Page
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Construction	1
4.1	Components of package	1
4.2	Components	3
4.3	Electric system of package	9
4.4	Heat recovery of package	10
5	Protection and measurement	13
5.1	Protective items	13
5.2	Measuring items	13
6	Performance and test method	14
6.1	Performance	14
6.2	Test method	15
7	Connection with outside	15
7.1	Installation condition	15
7.2	Connection specification	15

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 Advanced Cogeneration and Energy Utilization Center JAPAN (ACEJ)/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 8124:2013** is replaced with this Standard.

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Requirements of the components of the gas engine driven cogeneration package

1 Scope

This Japanese Industrial Standard specifies the requirements for the components of packaged cogeneration system (hereafter referred to as package) driven by the gas engine using the city gas as a fuel (hereafter referred to as engine), designed for high-voltage, and having the power generation output of 200 kW or more.

This Standard should apply in the case where the package is used in the high-voltage specifications even with the power generation output of under 200 kW.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 0108-1 *Reciprocating internal combustion engines—Vocabulary—Part 1: Terms for engine design and operation*

JIS B 0108-2 *Reciprocating internal combustion engines—Vocabulary—Part 2: Terms for engine maintenance*

JIS B 0149 *Glossary of terms and definitions of engine—Driven generating sets*

JIS B 8009-10 *Reciprocating internal combustion engine driven alternating current generating sets—Part 10: Measurement of airborne noise by the enveloping surface method*

JIS B 8121 *Terms and definitions of cogeneration systems*

JIS B 8122 *Test methods for measuring performance of cogeneration unit*

3 Terms and definitions

For the purpose of this Standard, the terms and definitions given in **JIS B 0108-1**, **JIS B 0108-2**, **JIS B 0149** and **JIS B 8121** apply.

4 Construction

4.1 Components of package

The package shall consist of the components such as an engine driven power generation facility, fuel supply unit, control panel, exhaust heat recovery facility, exhaust system facility and enclosure (see Figure 1).

Each component shall be as follows.