

# Certificate of Compliance

**Certificate:** 1526264

**Master Contract:** 187963

**Project:** 2116488

**Date Issued:** July 06, 2009

**Issued to:** Mecc Alte S.p.A  
Via Roma, 20  
36051 Creazzo (VI)  
ITALY

*The products listed below are eligible to bear the CSA Mark shown*



**Issued by:** Nico J. Bos

**Authorized by:** Maurice Hoendervangers  
Area Director Europe



## **PRODUCTS**

### CLASS 4211 01 - MOTOR AND GENERATORS

Self Regulating Electric Generators, 2 or 4 poles, indoor use continuous duty, flange mounted, three phase, 400/480Vac max., 50/60Hz, insulation Class H; 40°C rated ambient;

#### **Part A**

- Series ECO 28, 50Hz, 22 – 31.5kVA max or 60Hz, 26.5 – 38kVA max, 2 pole
- Series ECO 31, 50Hz, 44 – 82kVA max or 60Hz, 53 – 98,5kVA max, 2 pole
- Series ECO 28, 50Hz, 17 – 30kVA max or 60Hz, 20,4 – 36kVA max, 4 pole
- Series ECO 40, 50Hz, 400 – 680kVA max or 60Hz, 480 – 816kVA max, 4 pole
- Series ECO 43, 50Hz, 800–1300kVA max or 60Hz, 960 – 1560kVA max, 4 pole, brushless

#### **Part B**

- Series ECSO 28, 50Hz, 22 – 31.5kVA max or 60Hz, 26.5 – 38kVA max, 2 pole
- Series ECSO 31, 50Hz, 44 – 82kVA max or 60Hz, 53– 98,5 kVA max, 2 pole
- Series ECSO 28 50Hz, 17 – 30kVA max or 60Hz, 20,4 – 36 kVA max, 4 pole
- Series ECSO 32, 50Hz, 31 – 70kVA max or 60Hz, 37.2 – 84kVA max, 4 pole

**Part C**

- Series BTO3, 50Hz, 16–20kVA max or 60Hz, 19.2 – 24kVA max, 2 pole, with brushes
- Series BTO3, 50Hz, 7–15kVA max or 60Hz, 8.4 – 18kVA max, 4 pole, with brushes

**Part D**

- Series ECO3, 50Hz, 8–19kVA max or 60Hz, 9.6 – 22.8kVA max, 2 pole, brushless.
- Series ECO3 50Hz, 6.5–15kVA max or 60Hz, 7.8 – 18kVA max, 4 pole, brushless.

**Part E**

Self Regulating Electric Generators, 4 pole, indoor use continuous duty, flange mounted, three phase, 500/600Vac max., 50/60Hz, insulation Class H; 40°C rated ambient;

- Series ECO 32, 50Hz, 31 – 70kVA max or 60Hz, 37.2 – 84kVA max,
- Series ECP 34, 50Hz, 85 – 150kVA max or 60Hz, 102 – 180kVA max,
- Series ECO 38, 50Hz, 180 – 350kVA max or 60Hz, 220 – 420kVA max,

**Part F**

Open type self regulating Electric Generators, 2 or 4 pole, indoor use continuous duty, flange mounted, single and three phase, 400/480Vac max., 50/60Hz.

- Series Westerberke, single phase, 50/60Hz, 22/26 kVA max; three phase, 50/60Hz, 97.5/117kVA.

Note: The Westerberke series are designed with an open area on the non drive side flange.

This open Area is to be totally covered by the mounting of an other equipment on the generator flange in the final installation.

**APPLICABLE REQUIREMENTS**

The product, as described in this report, complies with:

- |                            |                                 |
|----------------------------|---------------------------------|
| CAN/CSA – C22.2 No. 0.4-04 | Bonding of electrical equipment |
| CAN/CSA – C22.2 No. 100-04 | Motors and Generators           |



CSA INTERNATIONAL

## *Supplement to Certificate of Compliance*

**Certificate:** 1526264

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*The products listed, including the latest revision described below,  
are eligible to be marked in accordance with the referenced Certificate.*

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
1526264	February 2, 2004	Original CSA Certification - Generators 2 and 4 poles; ECO, ECSO, BTO3N,BTO3,ECO3N, ECO3, WESTERBEKE and ECO32, ECO34N, ECO38,  <b>*this report supersedes previous report - 1109686</b>
1773739	March 22, 2006	Update to report 1526264: change of designation of series ECO34N and ECO38 to ECP34 and ECO38N , due to a different rotor assembly configuration
2116488	July 6, 2009	Update to report 1526264: change of power range ratings of series ECO31, ECO28, ECSO31, ECSO28 and ECO3