



CSA INTERNATIONAL

# Certificate of Compliance

**Certificate:** 1877423

**Master Contract:** 238118

**Project:** 1877423

**Date Issued:** 2007/03/14

**Issued to:** GIS AS

Luzernerstrasse 50  
Schotz, 6247  
Switzerland  
Attention: Mr. Ivan Muri

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US'*



**Issued by:** Vincent Dang, P. Eng.

**Authorized by:** Lindsay Clark, Product Group Manager

## **PRODUCTS**

**CLASS 9041 01** - CRANES AND HOISTS

**CLASS 9041 81** - CRANES AND HOISTS - Certified to US Standards

Electric Chain Hoists Models GCH 250, GCH 500, GCH 1000, GCH 1600, GCH 2000 and GCH 2500; may be followed by the Suffixes ...-N, -NF, -NL, -S, -H, -F, where the "--" will be either the numeral 1 or 2 or "--". The numeral one or two indicate either one or two falls; N indicates normal speed; NF indicates normal and creep speeds; NL indicates single low speed; S indicates special speed; H indicates high speed; F indicates creep speed.

Optional Motorized Trolley Models EMFE50, EMFE150, EMFE300 and EMFE500 followed by the Suffixes ...-N, -NF, -SF. The Motorized Trolleys consisted of electric drive units designated ATE5300 and ATE5301

The 'C' and 'US' indicators adjacent to the CSA Mark signify that the product has been evaluated to the applicable CSA and ANSI/UL Standards, for use in Canada and the U.S., respectively. This 'US' indicator includes products eligible to bear the 'NRTL' indicator. NRTL, i.e. National Recognized Testing Laboratory, is a designation granted by the U.S. Occupational Safety and Health Administration (OSHA) to laboratories which have been recognized to perform certification to U.S. Standards.



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followed by the Suffixes ...-N, -NF, -SF, and the Mechanical Trolley designated by EHF50, EHF150, EHF300 or EHF500.

Rated as followed:

230/460/575 V ac, 60 Hz, 3 ph

115/230 V ac, Single-phase

Single and dual speed,

FEM Duty Class M3 to M7 (25% to 60% service factor for single speed and dual speed, 360 Starts/hour max.).

**For details related to rating, size, configuration, etc. reference should be made to the CSA Certification Record or the descriptive report.**

Notes:

1. All Chain Hoists and Trolleys are evaluated for Electrical Features only.
2. Chain Hoist and Trolleys have not been evaluated for outdoor use.
3. Letters "GCH" of the hoist models may be replaced with the following letters "GCHK", "GCHS", "GCHHK", "GCHHTD", "GCHFU", "GCHO", "GCHOD", "GCHR", "GCHRO", "LCH" or "MCCH"
4. Overload and Overcurrent must be provided in accordance with CEC and NEC.

**APPLICABLE REQUIREMENTS**

CAN/CSA-C22.2 No. 0-M91 - General Requirements - Canadian Electrical Code, Part II

CSA Std C22.2 No. 0.4-04 - Bonding of Electrical Equipment (Protective Grounding)

CSA Std C22.2 No. 33-M1984 - Construction and Test of Electric Cranes and Hoists

14-05 - Industrial Control Equipment

100-95 - Motors and Generators

ANSI/UL Std No. 508 - Industrial Control Equipment

UL Std No. 1004 - Electric Motors