



Certificate of Compliance

Certificate: 80223697

Master Contract: 607354

Project: 80223697

Date Issued: 2024-08-26

Issued to: CHIARAVALLI GROUP SPA
Via per Cedrate, 476
21044 CAVARIA con PREMEZZO (VA)
ITALY
Attention: Mr. Stefano Alberti

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only



Issued by: Jun Li (Lily) Li
Jun Li (Lily) Li

PRODUCTS

CLASS 4211 01 - MOTORS AND GENERATORS

CLASS 4211 81 - MOTORS AND GENERATORS – Certified To U.S. Standards

Part A:

Three-phase squirrel cage induction motors, Component Type, TENV and TEFC, CONT, Inverter-Duty, Class F insulation, 40°C max ambient. The detail rating as followings:

Models	Output	Voltage (V) (Wiring Connection)	Current (A)	Frequency (Hz)	RPM	Enclosure Type	SF
CHY 63A4	0.12kW	230/400(Δ/Y)	0.76/0.44	50	1440	TENV	1.0
	0.16HP	277/480(Δ/Y)	0.76/0.44	60	1740		1.15
CHY 63B4	0.18kW	230/400 (Δ/Y)	1.0/0.58	50	1440	TENV	1.0
	0.25HP	277/480(Δ/Y)	1.0/0.58	60	1740		1.15
CHY 71A4	0.25kW	230/400 (Δ/Y)	1.25/0.72	50	1440	TENV	1.0
	0.33HP	277/480(Δ/Y)	1.25/0.72	60	1740		1.15
CHY 71B4	0.37kW	230/400 (Δ/Y)	1.9/1.1	50	1440	TENV	1.0
	0.5HP	277/480(Δ/Y)	1.9/1.1	60	1740		1.0



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Models	Output	Voltage (V) (Wiring Connection)	Current (A)	Frequency (Hz)	RPM	Enclosure Type	SF
CHY 80A4	0.55kW	230/400 (Δ/Y)	2.6/1.5	50	1460	TENV	1.0
	0.75HP	277/480(Δ/Y)	2.6/1.5	60	1760		1.15
CHY 80B4	0.75kW	230/400 (Δ/Y)	3.6/2.1	50	1460	TENV	1.0
	1HP	277/480(Δ/Y)	3.6/2.1	60	1760		1.0
CHY 90S4	1.1kW	230/400(Δ/Y)	5/2.9	50	1460	TENV	1.0
	1.5HP	277/480(Δ/Y)	5/2.9	60	1760		1.0

Part B:

Three-phase squirrel cage induction motors, Component Type, TENV and TEFC, CONT, Class F insulation, 40 °C max ambient. The detail rating as followings:

Models	Output	Voltage (V) (Wiring Connection)	Current (A)	Frequency (Hz)	RPM	Enclosure Type	SF
CHY 90L4	1.5 kW	230/400 (Δ/Y)	6.9/4.0	50	1460	TENV	1.0
	2 HP	277/480 (Δ/Y)	6.9/4.0	60	1760		

Note:

- Suffix may be added, which may be any number or letter or number with letter or blank, represent minor variations, not affecting safety performance.
- Certified only as a component of other certified equipment, where the suitability of the combination is to be determined.

APPLICABLE REQUIREMENTS

- CSA C22.2 No. 100-14 -Motors and Generators
- ANSI/UL 1004-1 (2nd Edition) -Rotating Electrical Machines – General Requirements
- *ANSI/UL 1004-8 (2nd Edition) -Inverter Duty Motors
- * Only for Part A motors with inverter duty

Notes:

Products certified under Class C421101/81 have been certified under CSA’s ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





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MARKINGS

The manufacturer is required to apply the following markings:

- Products shall be marked with the markings specified by the particular product standard.
- Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

The following information should be appeared on the nameplate, see Att1 nameplate drawing:

- Company's name and/or CSA Listee Contract number "607354", adjacent to the CSA Monogram.
- Model designation
- Rated voltage, frequency, number of phase, rated input in amperes, rated output in horse power and rated load speed.
- Service Factor, if greater than 1.
For series CHY, inverter duty motors with enclosure TEFC, 60Hz, 208V, the corresponding SF is 1.0
- Type of Enclosure "TENV or TEFC"
- "Acceptable for Field Wiring" appeared on the nameplate or marked in a readily vision location of series WS, WSP motors rated 1HP and less.
- Code letter to indicate the locked-rotor amperes. For Series WS, WSP motors rated at 1/2 HP and more, but not more than 1HP.
- "Use Supply Wires Suitable for 110 °C". Only for series CHY motors, with TEFC enclosure and rated at 2HP and more.
- Continuous or CONT
- Insulation Class F.
- Maximum Ambient temperature
- Date of manufacture. Date code, series number or equivalent means may be used.
- CSA Mark (The product may bear one of the following CSA markings: "CSA, or CSA us, or c CSA us.")

-The following information should only be appeared on product of Part A in addition

- Inverter duty
- Frequency range as follow:
For Enclosure Type TENV: CT 2.5:1, VT 10:1
For Enclosure Type TEFC: CT 4:1, VT 10:1
- Type of torque application (CT, VT)
- Inverter type, PWM

Method of Marking: Stamped onto the cover of terminal compartment or stator enclosure.



Supplement to Certificate of Compliance

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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

Project	Date	Description
80223697	2024-08-26	Multiple Listing for CHIARAVALLI GROUP SPA. Original Report 70071060
		Submitter's Models Listee's Models
		HYW 63A4 CHY 63A4
		HYW 63B4 CHY 63B4
		HYW 71A4 CHY 71A4
		HYW 71B4 CHY 71B4
		HYW 80A4 CHY 80A4
		HYW 80B4 CHY 80B4
		HYW 90S4 CHY 90S4
		HYW 90L4 CHY 90L4