

Certificate of Compliance

Certificate:	1379247	Master Contract:	153973
Project:	80131711	Date Issued:	10/21/2022
Issued to:	Transformateurs Delta Inc. Delta 795 boul Industriel Granby, Quebec J2G 9A1 Canada	Transformers Inc.	

Attention: Mr. Yvan Thibault

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



Issued by: Ioan Goga Ioan Goga, P. Eng.

PRODUCTS

C541106 TRANSFORMERS - Power

PART A - Section 1: Isolation Transformers: Low voltage, indoor, air cooled, dry-type, for power, heating and lighting circuits. Insulation System Class 220, Temperature Rise 150C, Voltage Class 1.2 KV (1200V and less) primary and secondary, 50Hz, 50/60Hz or 60Hz: Copper winding: 3 Phase, 6 - 1000 KVA, 1 Phase, 3 - 666.7 KVA; Aluminum winding: 3 Phase, 10 - 300 KVA, 1 Phase, 10 - 200 KVA. Options that may be provided (see notes below): 1, 2, 3, 4.

Models

PART A - Section 1: 1.2 kV Class Transformers:

PART A - Section 2: Autotransformers, Drive Isolation Transformers, Oversized Drive Isolation Transformers, Zero-Sequence Filters and Interconnected Star Transformers built from Isolation Transformers type construction. Options that may be provided (see notes below): 1, 2, 3, 4.

Models

PART A - Section 2: 1.2 kV Class Transformers:

PART B - Section 1: 5kV Voltage class, 30 KV BIL primary or secondary, Isolation Transformers: High voltage, indoor, air



Certificate: 1379247

Project: 80131711

Master Contract: 153973 Date Issued: 10/21/2022

cooled, dry-type transformers for power, heating and lighting circuits, Insulation System Class 220, Temperature Rise 150C, 50Hz, 50/60Hz or 60Hz: Copper winding: 3 Phase, 30 - 2000 KVA; 1 Phase, 20 - 1333 KVA; Options that may be provided (see notes below): 1, 2, 3, 4.

Models

PART B - Section 1:5 KV Class Transformers

PART B - Section 2: 2.5 kV Voltage Class, 20 KV BIL Isolation Transformers, Drive Isolation Transformers, Oversized Drive Isolation Transformers and Interconnected Star Transformers built from 5kV Voltage Class, 30 KV BIL Isolation Transformers type construction.

Models

PART B - Section 2: 5 KV Class Transformers

PART C - Section 1: Epoxy Potted Isolation Transformers: Low voltage indoor/outdoor, dry-type transformers for power, heating and lighting circuits, Insulation System Class 180 or 185, Voltage Class 1.2 KV (1200 Volts and less) primary and secondary, 50Hz, 50/60Hz or 60Hz: Copper winding: 3 Phase, 3 - 75 KVA, Temperature Rise 115C; 3 Phase, 9 – 45 KVA, Temperature Rise 80C; 1 Phase, 3 - 50 KVA, Temperature Rise 115C. Options that may be provided (see notes below): 4 and 5.

Models

Part C- Section 1: Epoxy Potted, 1.2 KV Class Transformers

PART C - Section 2: Autotransformers, Drive Isolation Transformers, Oversized Drive Isolation Transformers, Zero-Sequence Filters and Interconnected Star Transformers built from Epoxy Potted Isolation Transformers type construction.

Models

PART C - Section 2: Epoxy Potted, 1.2 KV Class Transformers

PART D: Component Type, special purpose enclosures Type 2, 3R, 3RX, 4, 4X, 5 or 12 for use with certified submittor's transformers of different sizes.

Models

PART D: Special Purpose Enclosures

PART E - Section 1: Isolation Transformers, Low voltage, indoor, air cooled, dry-type transformers for power, heating and lighting circuits, Insulation System Class 220, Temperature rise 115C, Voltage Class 1.2 kV (1200V and less) primary and secondary, 300 Hz: Copper winding: 3 Phase, 20kVA. Options that may be provided (see notes below): 1, 2, 3, 4.



Certificate: 1379247

Project: 80131711

Master Contract: 153973 Date Issued: 10/21/2022

Models

PART E - Section 1: 300 Hz Transformers

PART E - Section 2: Autotransformers, Drive Isolation Transformers, Oversized Drive Isolation Transformers and Interconnected Star Transformers built from Isolation Transformers type construction. Options that may be provided (see notes below): 1, 2, 3, 4.

Models	
PART E - Section 2:	
	_

Notes:

- 1. Lower KVA rating with lower temperature rise, between 55°C and 150°C may be assigned to the transformers.
- 2. Transformers may be open type or enclosed type with enclosures Type 1, 2, 3R, 3RX, 4, 4X, 5 or 12; Wall or floor mounted.
- 3. Transformers may be of fan cooled type with increased KVA rating (up to 33-1/3 percent).
- 4. Transformers may have different KVA rating with an associated K-factor rating.
- 5. Equipped with enclosure Types 3R or 3RX (enclosed type). Wall or floor mounting.



Certificate: 1379247

Project: 80131711

APPLICABLE REQUIREMENTS

CSA C22.2 NO. 47-13 (Fifth Edition) (R2018) - Air-cooled transformers (dry type) Edition 5.0 (R2018)

QD 507 Rev 2019-04-30

Master Contract: 153973

Date Issued: 10/21/2022