



Isolation Transformer Series



ITS (M) Series

Unit Shown:

Isolation Transformer Series with Ground Shield

The La Marche Isolation Transformer Series (ITS) is designed for installation in industrial and harsh environment applications where reliable power is required. The La Marche Isolation Transformer Series protects circuits, equipment, and personnel from electric shocks and short circuits. The transformers are designed per UL safety requirements and manufactured using insulated copper windings with Class H insulation system. The La Marche ITS is specifically engineered to operate at full load and full harmonic rating providing years of trouble free service.

The La Marche Marine Isolation Transformer (ITSM) features a Ground (Faraday) Shield between the power windings. This ground shield, when connected to the shore ground, provides protection against capacitive coupling between the shore power and the boat's electrical systems. This protects the boat electrical equipment against shore power issues, common mode voltage spikes, and the transfer of harmful energy between both systems.

The La Marche ITS and ITSM is offered in a wide range of electrical transformers based on customer requirements and specifications. Single and three phase configurations are available in indoor and outdoor enclosures from 1 kVA – 40 kVA.

Specifications and Ratings for ITS nad ITSM Series

Dry Type Transformer	High Efficiency
NEMA 1 Robust Enclosure Design	*Water - Tight Cables Entry
Copper Wound Designs	*Earth Ground and Ship Ground Galvanic Isolation
Class H (180°C) Insulation System	*Ground (Faraday) Shield
High Dielectric Strength	*Harsh Environment Tropicalization (Glyptol Dip)
IEC Terminal Blocks	10 Year Warranty
Convection Cooled	*Only for ITSM Series.

Options for ITS and ITSM Series

Input / Output Breakers	AC ON LED
Emergency Stop Switch	AC Metering (Voltage & Current)
Stainless Steel Enclosure	NEMA 3R Enclosure



Technical Specifications

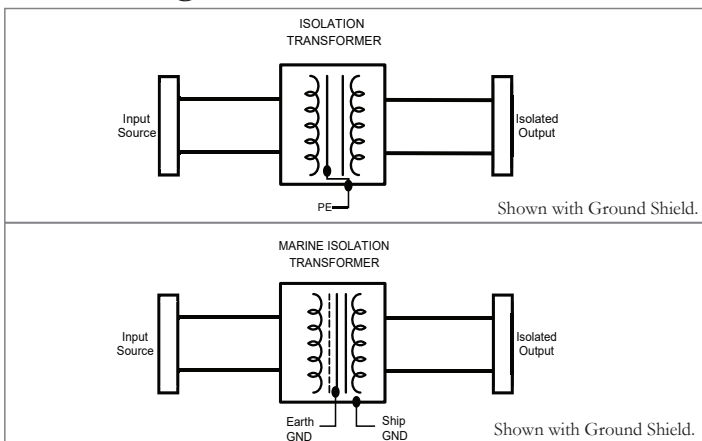
Rating	1 - 40 kVA
Winding	1 Phase or Three Phase (Delta/Star/ 3 Wires or 4 Wire)
Input Voltage	110 V, 120 V, 208 V, 480 V, 600 V (Multi-tap input is available)
Output Voltage	110 V, 120 V, 208 V, 480 V, 600 V (Multi-tap output is available)
Frequency	50 Hz or 60 Hz
Effeciency	Up to 99%
Insulation	Class H Insulation
Di-Electric Strength	2500 VAC for 120 Secs
Connectors	IEC Approved
Operating Ambient Temperature	50 °C / 122 °F

Table of Models and Units

Single Phase							
Model Number	Rating (KVA)	Frequency (Hz)	Input Voltage (V)	Output Voltage (V)	Case No.	Weight	
						(lbs)	(kgs)
ITS(M)-1KVA-1	1	60	120/208/240	120/208/240	107	50	23
ITS(M)-3KVA-1	3				107	75	34
ITS(M)-6KVA-1	6				107	125	57
ITS(M)-10KVA-1	10				108	200	91
ITS(M)-12KVA-1	12				108	275	125
ITS(M)-18KVA-1	18				109	300	136
ITS(M)-24KVA-1	24				109	325	148

Three Phase							
Model Number	Rating (KVA)	Frequency (Hz)	Input Voltage (V)	Output Voltage (V)	Case No.	Weight	
						(lbs)	(kgs)
ITS(M)-3KVA-3	3	60	120/208/240	120/208/240	107	75	34
ITS(M)-6KVA-3	6				107	150	68
ITS(M)-9KVA-3	9				109	250	114
ITS(M)-12KVA-3	12				109	350	159
ITS(M)-18KVA-3	18				109	430	195
ITS(M)-24KVA-3	24				110	600	272
ITS(M)-30KVA-3	30				110	650	295
ITS(M)-40KVA-3	40				110	750	340

Blocks Diagrams



ITS and ITSM Nomenclature

