

Major3IT Isolation Transformers

The **Major3IT Isolation Transformer** is a reliable source of clean, conditioned power designed to protect sensitive equipment from all types of power disturbances and electrical noise.

The **Major3IT Isolation Transformer** is ideal for use in industrial, telecom, utility, medical, and military applications.



Product Features

- **Highly Shielded**
 - ▶ Hospital grade
- **Low Transfer Output Impedance**
- **Low Load Regulation**
 - ▶ 4% or less
- **Choice of Common Mode Noise Reduction Characteristic Model**
- **Small Footprint**
- **Exclusive Shielding**
- **Low Noise**
 - ▶ Reduces common mode and normal mode noise
 - ▶ Prevents back feeding of noise from line to load
- **Saves Valuable Space**
- **Fast Easy Installation**
- **Protects Sensitive Loads**
 - ▶ From surges & spikes
- **Low Leakage Current (full safe)**
 - ▶ Allows use of products in hospitals and medical labs
- **UL & cUL Listed**
- **Warranty**
 - ▶ 6 Years

Products Specifications

Electrical	
Power Ratings	15, 30, 50, 75, 112.5, 125, 150 and 225 kVA, 3-phase
Input Voltage Range	±10% of nominal rated voltage
Load Regulation	4% or less from no load to full load
Technology	Highly shielded with REI/EMI filtering incorporated into design
Frequency	47 Hz minimum for 50 Hz models; 57 Hz minimum for 60 Hz models
Efficiency	97% typical
Insulation Resistance	100 mH minimum from winding to core measured at 500 Vdc
Common Mode Noise	
Common Mode Noise	150 dB
Normal Mode Noise	65 dB
Surge Suppression	Meets ANSI/IEEE standard C62.41, 1991 (IEEE, 587 category A and B), IEC 1000-4 and 1000-5
K-Factor Rating	K-13 (other ratings are available upon request)
Environmental	
Audible Noise	Complies with NEMA requirements
Ambient Temperature	Operating 0°C to 40°C; Storage 0°C to 85°C
Operating Humidity	95% relative (non-condensing)
Operating Altitude	10,000 ft maximum (full load power rating should be decreased approx 3.3% per 1000 ft of altitude about 10,000 ft)
EMI	<0.1 gauss at a distance of 3 ft
Mechanical	
Hardwired	Field wired terminal block
Safety Agency Approvals	UL1561, cUL (Canadian standard C22.2 No 125) (60 Hz models) CE mark (50 Hz models), Complies with Part-15 Subpart J of FCC rules for a Class A computing device
Load Regulation	±3% or less from no load to full load at unity power factor
Harmonic Distortion	1% maximum
Electro-Magnetic Interference	<0.2 gauss @ 3 feet
Warranty	6 years

Model Selection Guide

Model	Rating kVA	Input VAC	Output VAC	Dimensions H x W x D, in (cm)	Weight (lbs/kg)
Major3IT15K-208-208	15	208	208Y/120, 60 Hz	38 x 24 x 19" (97 x 61 x 48 cm)	260 lbs (118 kg)
Major3IT15K-480-208	15	480	208Y/120, 60 Hz	38 x 24 x 19" (97 x 61 x 48 cm)	260 lbs (118 kg)
Major3IT15K-400-400	15	400	400Y/230, 50 Hz	38 x 24 x 19" (97 x 61 x 48 cm)	295 lbs (134 kg)
Major3IT30K-208-208	30	208	208Y/120, 60 Hz	38 x 24 x 19" (97 x 61 x 48 cm)	330 lbs (150 kg)
Major3IT30K-480-208	30	480	208Y/120, 60 Hz	38 x 24 x 19" (97 x 61 x 48 cm)	335 lbs (152 kg)
Major3IT30K-400-400	30	400	400Y/230, 50 Hz	38 x 24 x 19" (97 x 61 x 48 cm)	385 lbs (175 kg)
Major3IT50K-208-208	50	208	208Y/120, 60 Hz	38 x 24 x 19" (97 x 61 x 48 cm)	405 lbs (184 kg)
Major3IT50K-480-208	50	480	208Y/120, 60 Hz	38 x 24 x 19" (97 x 61 x 48 cm)	410 lbs (186 kg)
Major3IT50K-400-400	50	400	400Y/230, 50 Hz	38 x 24 x 19" (97 x 61 x 48 cm)	475 lbs (215 kg)
Major3IT75K-208-208	75	208	208Y/120, 60 Hz	40 x 38 x 28" (102 x 97 x 71 cm)	525 lbs (238 kg)
Major3IT75K-480-208	75	480	208Y/120, 60 Hz	40 x 38 x 28" (102 x 97 x 71 cm)	520 lbs (236 kg)
Major3IT75K-400-400	75	400	400Y/230, 50 Hz	40 x 38 x 28" (102 x 97 x 71 cm)	610 lbs (277 kg)
Major3IT112.5K-480-480	112.5	480	208Y/120, 60 Hz	40 x 38 x 28" (102 x 97 x 71 cm)	763 lbs (346 kg)
Major3IT112.5K-480-480	112.5	400	400Y/230, 50 Hz	40 x 38 x 28" (102 x 97 x 71 cm)	890 lbs (404 kg)
Major3IT125K-480-208	125	480	208Y/120, 60 Hz	40 x 38 x 28" (102 x 97 x 71 cm)	782 lbs (355 kg)
Major3IT125K-400-400	125	400	400Y/230, 50 Hz	40 x 38 x 28" (102 x 97 x 71 cm)	915 lbs (415 kg)
Major3IT150K-480-208	150	480	208Y/120, 60 Hz	40 x 38 x 28" (102 x 97 x 71 cm)	887 lbs (402 kg)
Major3IT150K-400-400	150	400	400Y/230, 50 Hz	40 x 38 x 28" (102 x 97 x 71 cm)	1040 lbs (472 kg)
Major3IT225K-480-208	225	480	208Y/120, 60 Hz	40 x 52 x 28" (102 x 132 x 71 cm)	1207 lbs (547 kg)
Major3IT225K400-400	225	400	400Y/230, 50 Hz	40 x 52 x 28" (102 x 132 x 71 cm)	1415 lbs (642 kg)