

# ISOLATION TRANSFORMERS

SERIES

10-375 kVA

1-10 kVA

3  
PHASE

1  
PHASE



## HIGHLIGHTS

- Reliable, Electrical Isolation
- Suppresses Electrical Noise
- Ensures Complete Safety of Equipment

## Excellent Protection & High Level of Isolation

- An isolation transformer is the best way to establish a new neutral-ground bond, in order to correct common mode and other grounding problems.
- Isolation transformer provides excellent protection from all types of N-G disturbances (impulses, RMS voltage, and high frequency noise).
- Makelsan isolation transformers can be used reliably in following areas:  
*Medical devices, CNC machines, UPS systems, Ships and boats, Shipyards, Metal processing plants, Rectifier and battery chargers, Industrial machines power supply units*

## CERTIFICATES



**FEATURES**

- Standards : TS EN 61558-2-4
- Input Voltage : 230 VAC Ph+N / 400 VAC Ph-Ph (Three Phase)  
220 VAC Ph+N (Single Phase)
- Output Voltage : 230 VAC Ph+N / 400 VAC Ph-Ph (Three Phase)  
110 VAC Ph+N (Single Phase)
- Frequency : 50 - 60 Hz
- Windings : Aluminum or Copper Foil\*
- Magnetic Circuit : 0,50 mm Transformer Steel w/ 1,8 W/kg Loss
- Connections : Star, Delta, Zig-Zag
- Protection Class : Standard\*\*
- Isolation Class : Isolation Class B (120°C) (Standard)\*\*\*  
Varnish Under Vacuum According to Isolation Class
- Cooling : Natural\*\*
- Ambient Temperature : -10°C...+40°C
- Storage Conditions : -20°C...+70°C
- Connections : As Per to Customer Requirements:  
All Types of Terminals and Lugs



\* 'Copper Foil' or 'Enameled Copper Wire' can be used upon request.  
\*\* Can be changed upon request.  
\*\*\* Can be produced in F (155°C) or H (180°C) classes upon request.

**THREE PHASE ISOLATION TRANSFORMERS**

Power	Model Code	Chassis Dims (WxHxD)	Chassis Weight	Connection	Wire
10kVA	MTIC010HV1	667 x 768 x 330	110	Y - Y	COPPER
10kVA	MTIC010HV4	883 x 1048 x 431	172	Y - Y	ALUMINIUM
10kVA	MTIC010HV5	805 x 700 x 665	231	Δ - Y	COPPER
12kVA	MTIC012HV1	650 x 370 x 564	115	Y - Y	ALUMINIUM
15kVA	MTIC015HV1	800 x 800 x 647	170	Y - Y	ALUMINIUM
18kVA	MTIC018HV1	800 x 800 x 647	180	Y - Y	ALUMINIUM
20kVA	MTIC020HV1	805 x 700 x 665	190	Y - Y	ALUMINIUM
24kVA	MTIC024HV1	600 x 700 x 638	200	Y - Y	ALUMINIUM
30kVA	MTIC030HV1	800 x 800 x 647	230	Y - Y	COPPER
30kVA	MTIC030HV2	883 x 1048 x 431	247	Δ - Y	COPPER
30kVA	MTIC030HV4	625 x 800 x 495	210	Y - Y	ALUMINIUM
30kVA	MTIC030HV5	805 x 700 x 665	234	Y - Y	ALUMINIUM
36kVA	MTIC036HV1	600 x 700 x 638	157	Y - Y	ALUMINIUM
40kVA	MTIC040HV1	800 x 800 x 647	285	Y - Y	ALUMINIUM
45kVA	MTIC045HV1	800 x 800 x 647	289	Y - Y	ALUMINIUM
60kVA	MTIC060HV1	800 x 800 x 647	355	Y - Y	COPPER
60kVA	MTIC060HV4	883 x 1048 x 431	357	Δ - Y	COPPER
60kVA	MTIC060HV5	800 x 800 x 647	339	Y - Y	ALUMINIUM
72kVA	MTIC072HV1	905 x 874 x 792	320	Y - Y	ALUMINIUM
80kVA	MTIC080HV1	905 x 1000 x 792	400	Y - Y	ALUMINIUM
150kVA	MTIC150HV4	906 x 1000 x 792	530	Y - Y	ALUMINIUM
180kVA	MTIC180HV1	1120 x 1000 x 842	589	Y - Y	ALUMINIUM
250kVA	MTIC250HV3	1120 x 1000 x 842	765	Y - Y	ALUMINIUM
300kVA	MTIC300HV2	976 x 1005 x 655	806	Y - Y	ALUMINIUM
375kVA	MTIC375HV1	1200 x 1100 x 800	1083	Y - Y	ALUMINIUM

**ONE PHASE ISOLATION TRANSFORMERS**

Power	Model Code	Chassis Dims (WxHxD)	Chassis Weight	Connection	Wire
2kVA	MTIC002HV2	312 x 341 x 295	24	1 Phase	ALUMINIUM
6kVA	MTIC006HV1	625 x 800 x 495	75	1 Phase	ALUMINIUM
10kVA	MTIC007HV2	625 x 800 x 495	105	1 Phase	ALUMINIUM

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