

ISOLATION TRANSFORMERS

SERIES

5-1200 kVA

1-25 kVA

3
PHASE

1
PHASE



MEDICAL



INDUSTRY



TRANSPORT



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

- 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
- Connections : Star, Delta, Zig-Zag
- Protection Class : Standard**
- Isolation Class : 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



* It can be produced in different voltages and powers as requested.

** Can be changed upon request.

*** Can be produced in H (180°C) class upon request.

3 PHASE ISOLATION TRANSFORMERS

Power	Chassis Dims. (WxHxD)	Chassis Weight	Connection	Wire
5kVA	630 x 715 x 332	70	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
10kVA	805 x 700 x 665	110	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
15kVA	650 x 459 x 564	120	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
20kVA	800 x 800 x 647	200	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
30kVA	800 x 800 x 647	240	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
40kVA	800 x 800 x 647	285	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
60kVA	905 x 1000 x 780	355	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
72kVA	905 x 1000 x 780	385	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
80kVA	905 x 1000 x 780	410	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
100kVA	905 x 1000 x 780	430	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
120kVA	905 x 1000 x 780	470	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
150kVA	905 x 1000 x 780	550	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
200kVA	1120 x 1000 x 842	690	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
250kVA	1120 x 1000 x 842	790	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
300kVA	1200 x 1100 x 800	900	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
450kVA	1200 x 1100 x 800	1100	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
500kVA	1200 x 1100 x 800	1280	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
720kVA	1285 x 1505 x 1070	1850	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
800kVA	1510 x 1690 x 1380	2100	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
1000kVA	1510 x 1690 x 1380	2500	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM
1200kVA	1510 x 1690 x 1380	2750	Y-Y/Δ-Y/Y-Δ/Δ-Δ	COPPER/ALUMINIUM

1 PHASE ISOLATION TRANSFORMERS

Power	Chassis Dims. (WxHxD)	Chassis Weight	Connection	Wire
1kVA	306 x 290 x 340	20	1 Phase	COPPER/ALUMINIUM
2kVA	306 x 290 x 340	24	1 Phase	COPPER/ALUMINIUM
5kVA	625 x 800 x 495	75	1 Phase	COPPER/ALUMINIUM
10kVA	625 x 800 x 495	105	1 Phase	COPPER/ALUMINIUM
15kVA	625 x 800 x 495	120	1 Phase	COPPER/ALUMINIUM
25kVA	600 x 700 x 638	180	1 Phase	COPPER/ALUMINIUM

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