Isolating Three-phase transformers

Series TTI

Power from 160VA to 40kVA
Single input voltage max 1000V
Single output voltage max 1000V

Technical features

- Isolating transformers built according to standards IEC 61558-2-4 max. power 40 KVA
- Single voltage input max. 1000V
- Single voltage output max. 1000V
- Class F insulating materials
- Ambient temperature max. 40 °C
- Input/output connectors on terminal block rails or boards with brass screws
- Polycarbonate protection with board and brass screws, against accidental contacts in assembling

Dimensions and drillings

Reference number	Rated output	Dissipated power W	Efficiency	Dimensions			Drillings				Weight (Kg)	Fig.
				L	P	H	A	B	F	G		
TTI/501	160 VA	19	88,2	140	90	135	125	53	14	7	5,2	3/5
TTI/502	250 VA	26	89,6	180	90	160	150	66	18	7	6,5	3/5
TTI/503	400 VA	36	91	180	110	160	150	86	18	7	9,5	3/5
TTI/504	630 VA	48	62,4	180	120	160	150	96	18	7	12	3/5
TTI/505	1000 VA	73	92,7	240	130	210	200	96	18	7	18	3/5
TTI/506	1600 VA	101	93,6	240	155	210	200	121	18	7	26	3/5
TTI/507	2500 VA	143	94,3	300	144	260	250	124	24	9	34,3	3/5
TTI/508	4 kVA	176	95,6	360	160	310	325	126	24	9	46,3	4/5
TTI/509	6,3 kVA	233	96,3	360	170	310	325	136	24	9	56,9	4/5
TTI/510	10 kVA	309	96,9	360	180	310	325	146	24	9	74,5	4/5
TTI/511	16 kVA	450	97,2	420	200	360	375	164	30	10	105	4/5
TTI/512	25 kVA	650	97,4	480	232	410	440	190	30	12	152	4/5
TTI/513	40 kVA	915	97,7	540	290	460	480	244	30	12	216	4/5

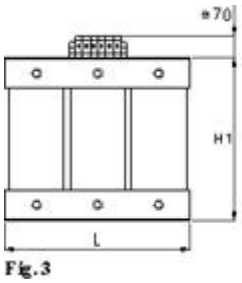
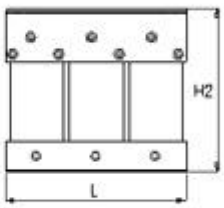


Fig.3



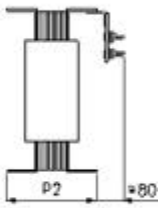
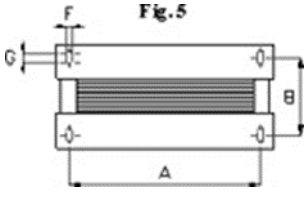


Fig.4

Fig.5



The data indicated could change without notice

The **TTI/500 transformers** are built according to the international standards IEC 61558-2-4.
The power range of this family reaches up to 40KVA, where both the single-voltage input and output go up to 1000V. If multi-voltage inputs and outputs are needed, please state it at the moment of ordering.
Isolating transformers are usually used for installations or appliances, where it is necessary or advisable to create a galvanic separation between the load and the mains supply. This way a totally isolated line is created. It is important to keep in mind to connect all of the equipment masses.
Besides creating an electric isolation, an **isolation transformer** is also useful for single-phase equipment, where there is need for the isolation of a line from the mains supply, with 4 wires (3 + neutral), with reference to earth (neutral connected to earth).
Please state when ordering if there are heavy unbalanced loads, as it is advisable to create the most suitable type of output connection.
With all power supply, **safety and isolating transformers**, it is possible to include a copper shield between input and output, connected to earth. This will add extra safety against isolating material breakdown and oblige the current to flow from the shield towards earth.
An another important use, is **the filtering function**, as the shield eliminates stray capacitances between input and output.
This shield is not indispensable, as not required by standards, but can be supplied upon client's request.
If a full lab test is required for any particular model, please state it at the moment of ordering.