

ASSENT LTD -TRANSFORMERS



The Power to Convert

■ AUTO & ISOLATION

■ CHOKES

■ PHASE CONVERTERS

■ SINGLE & THREE PHASE

ASSENT LTD - TRANSFORMERS

Assent Ltd are transformer specialists, providing customers with either standard or custom built transformers to meet every requirement.

We have the technical expertise and many years experience of the electronics industry to deliver the best solution for your needs.

From a single unit built to meet a particular specification to high volume, repeat orders for production use, Assent Ltd are your optimum source.

This brochure shows examples of standard units that we can provide. For transformers to meet a specific requirement contact our technical facility.

We have two factories and have constantly invested in new machinery to improve productivity and lower prices.

We offer a standard shelf product range as well as a bespoke made to order service.

We offer a full technical back up, initial design, and consultation service.



If you want it, we can make it in days not weeks!

Bespoke Transformers

We offer a bespoke fast build service. We have a department dedicated to small quantity and non standard transformers. We can supply any spec you require within our manufacturing scope. We can offer any of the following and much much more.

Any voltage, any current, multi tapped windings and variable voltage.

AC, DC, single phase and three phase.

Screw terminals, stud terminals, fly leads and solder tags.

Fuses, thermal cut outs, mcb's and rcd's.

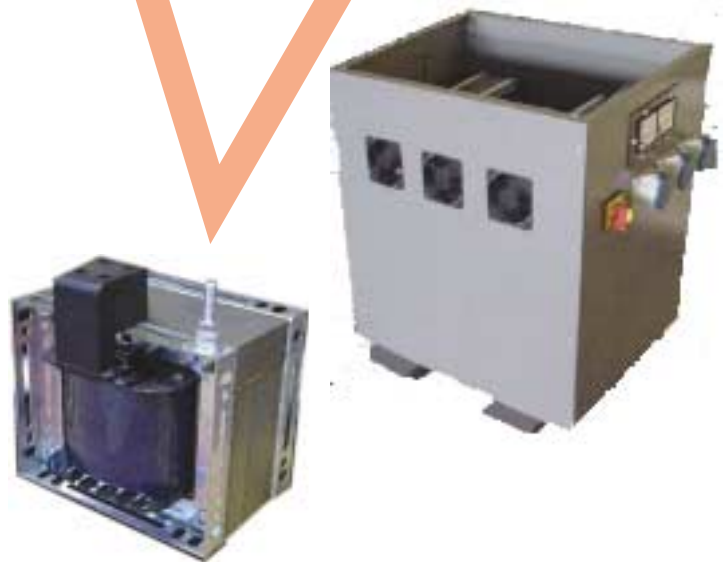
Isolators, selector switches and reset switches.

Plugs, sockets, cables, glands and flexible conduit.

Volt meters, amp meters, frequency meters and lamp indicators.

Enclosures, panels, frames and racks.

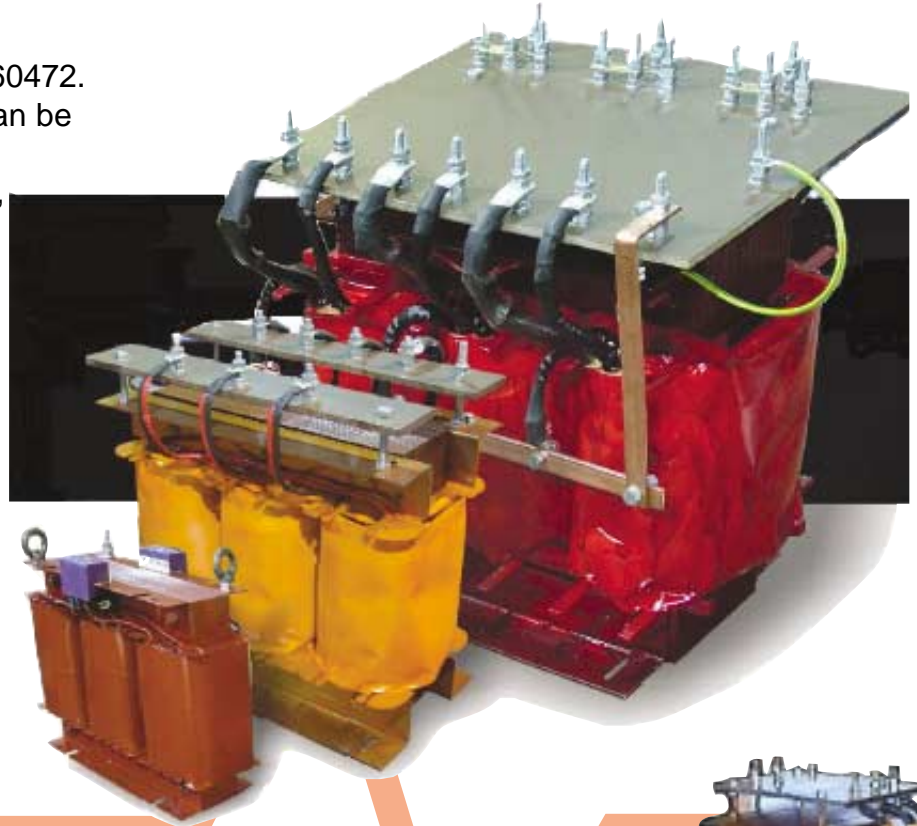
Chokes are also designed and manufactured



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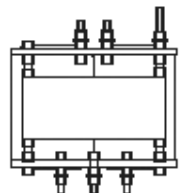
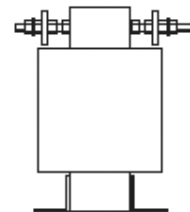
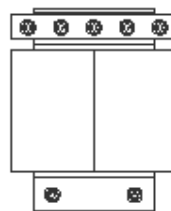
3 Phase Transformers

Range from 50VA up to 11MVA
A full range of 3 phase transformers
manufactured to EN 60558 and EN 60472.
Insulation class F as standard, but can be
increased to class H if requested.
Shrouded screw terminals up to 20A,
stud terminals from 20A.
Any winding configuration can be
catered for.



2 Pole Single Phase

We manufacture a complete range of 2 pole
transformers for larger requirements.
This range is from 12kVA up to 500kVA. Smaller
transformers can be manufactured if required, but
with a slightly longer delivery time of about one
week.
This range is well suited to applications where
space is of a premium as the transformers
have a lower profile.
The transformers are designed to have low inrush
currents and low running temperatures.
These transformers have a standard insulation
class F (155 deg C) or class H (185 deg C)
if requested.
Usually, this range of transformer has stud
terminals on an engraved SRBP board.



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Universal Range

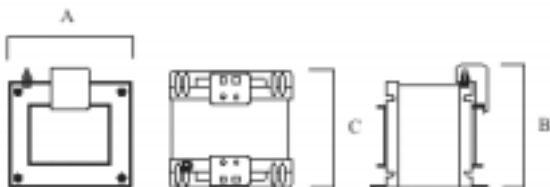
A full range of general purpose transformers at a budget price, that have the following features:
 Manufactured to the requirements of EN 60742.
 Full earth screen on sizes above 1kVA.
 Multi point fixings on sizes above 100VA.
 Multi orientation fixings on sizes above 100VA.
 Screw terminals to take 0.25mm² - 6mm² cable.
 Terminal shroud incorporating individual position markers.
 Colour coded shrouds for easy voltage identification.
 Varnish impregnated.
 100% tested.
 Rating plate.



Panel Transformers

Conforming to the requirements of EN 60742, this range of control panel transformers have higher efficiencies to reduce the operating temperature in sealed panels. This range has an extended fixing frame to enable un obstructed easy fixing to the chassis plate. All of the transformers in this range feature:
 Insulation class F(155 deg C)
 Mounting frames have multi point fixings and are galvanised.
 Screw terminals are high temperature and have wire protectors fitted.
 Terminals are fully shrouded, colour coded and have individual voltage identification markers.
 Full earth screens.
 Brass earth studs.
 Varnish impregnated.
 100% tested.

VA	A (mm)	B (mm)	C (mm)	Weight kg
25	80	90	80	1
50	90	95	85	1.2
75	100	100	100	2
100	120	120	115	4
150	120	120	120	5
200	120	120	130	6
250	135	130	130	8
375	135	130	145	10
500	135	130	160	12
750	165	155	160	14
1000	165	155	180	19
1500	220	200	200	23
2000	220	200	235	27
2500	220	200	250	30
3000	245	225	250	38
4000	270	250	270	50
5000	270	250	290	60



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110 v Site Equipment

415v and 240v site distribution transformers.
Flood light with tripods and free standing.
Extension reels and leads.
Portable tool transformers.
Lighting festoons.



Transatlantic Range

Nowadays, with the ease of international travel, companies are able to post staff abroad for long periods and families are re-establishing themselves, often bringing with them all their domestic appliances and equipment. Problems arise when they come to 'plug in' to the mains in the UK and Europe. USA supply is 120V, 60Hz and Japan is between 100V, 50Hz and 105V 60Hz.



(Source: BSI World Electricity Supplies).

The Atlantic range of portable transformers have an output that is suitable for all appliances from the USA and Japan with the exception of some frequency dependent items, for example clocks. Auto transformers are suitable for the higher power levels, (e.g. refrigerators) and are lighter and cheaper. Isolation transformers are

useful for sensitive equipment such as computers and other IT equipment where isolation may be an advantage. Ratings are based on an intermittent duty cycle of 50%. In practice this means 'half hour on - half hour off'.

Also in our range is the TAA autotransformer. Built to provide the correct voltage for European equipment when used in the USA. Most appliances can be used with the exception of frequency dependent items. The unit has the same over-current protection and illuminated switch. Three power ratings are available in the TAA range, all are fitted with a standard UK 13A mains outlet and a 3 pin US plug lead.



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Control Panel Building

We have a panel building department that is dedicated to the design and manufacture of control and process panels.

We can manufacture from your ideas, sketches and CAD drawings.

With our design and consultation engineer, all of your requirements can be catered for.



Enclosures

We can offer a full range of standard and custom built enclosures. These range from IP22 to IP67 and can be supplied to mount in many different ways. Each style of enclosure is available in several sizes.



IP22 low Voltage case. Suitable for wall or bench mounting. This style will house transformers from 25VA up to 1.5kVA.



IP44 enclosure. Suitable for floor mounting. This style will house three phase transformers from 10kVA up to 500kVA.



IP54 enclosure. Suitable for floor, bench and wall mounting. Also available as a portable enclosure. This style will house transformers from 25VA up to 5kVA.



IP44 enclosure. Suitable for wall, floor and bench mounting. This style will house three phase transformers from 50VA up to 7kVA and single phase transformers from 25VA up to 15kVA.

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Options

We can fit many options to the transformers that we supply. Just let us know what you require and we will be only too glad to do it.

Enclosures - Wall mount, floor mount and free standing.

Indication to measure Volts, Amps, frequency temperature and hours.

Outlets - Panel sockets, domestic sockets, fused sockets and glands.

Protection - Thermal, fuses, MCB's, RCD's, MCCB's and RCCD's.

Controls - Isolators, tap selectors, switches and key operated switches.

protective windows, finger shrouds and screens.

There are so many options that we can fit, to save you both time and money, that it would be impossible to list.

Other Equipment

We can provide the complete power distribution, support and protection solution including:

Uninterruptible Power Supplies (UPS)

Generators

Lightning & Surge Protection Devices

[See our web site for details](#)



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