

Step-up Transformers

Many sites only have 110 volts available in working areas, which presents a problem for contractors when a specialist piece of plant or equipment has to be used which is only available at 230 volts. The solution to this problem is to use a transformer to step-up the 110 volts Reduced Low Voltage supply to 230 volts.

We have two standard step-up transformers in our range, one rated at 2 kVA and one at 3 kVA. Both are continuously rated and housed in robust sheet steel enclosures with lifting handles. The general specification is detailed below. Non-standard versions can be made to order.



Item S210254 - 2 kVA, 110:230V

Item Number	Type Number	Enclosure	Rating	Supply Input	Distribution	Protection	Wt kgs
S210254	TLPC/2/RCD/S2	1 no. handle	2 kVA Continuous	Flexible lead c/w 16A 110V Plug	Each fitted with 1 no. Domestic socket 13A and 1 no. Industrial socket 16A 230V	1 no. 10A MCB / 30 mA RCD	24
S210255	STSC/3/RCD/S2	2 no. handles	3 kVA Continuous	Flexible lead c/w 32A 110V Plug		1 no. 16A MCB / 30 mA RCD	42

The transformers are double-wound and manufactured in accordance with relevant parts of BS EN 61558. They can be plugged into 110V 2P+E sockets fitted to either single-phase or three-phase site transformers. The 2 kVA can fully utilise the power available from a 16A 110V socket (fitted to a suitable Site Transformer) and the 3 kVA can utilise the majority of the power available from a 32A 110V socket (fitted to a suitable transformer). For maximum flexibility, both transformers are fitted with a 13A and a 16A 230V socket, which are protected by MCB and 30mA RCD. The incorporation of a 30mA RCD is essential when mains voltage equipment is used on site.



Item S210255 - 3 kVA, 110:230

Intermittent Rating

The transformer cores incorporated into the above assemblies are continuously rated and can supply higher loads for shorter periods of time. The 2 kVA model can supply 3 kVA in cycles of 5 minutes ON followed by 15 minutes OFF. The 3 kVA model can supply 4.5 kVA in cycles of 5 minutes ON and 15 minutes OFF. Please note: the intermittent ratings require a suitable source transformer / generator. In addition, overcurrent devices may operate if equipment with a high or sustained starting current is supplied.

THE POWER PROFESSIONALS

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