



## POWER TRANSFORMERS

SINGLE AND THREE PHASE

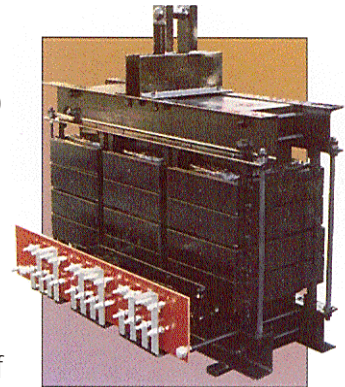
7.5kVA - 500kVA

The power range of TEC transformers have many and varied applications, some of which include power distribution to industrial commercial and housing developments, plus industrial supply transformers for furnaces, mining and computer installations.



Construction across the whole range. is based on a core of interleaved, cold rolled, grain orientated steel laminations, securely held between top and bottom clamps by means of clamping bolts and tie rods, this serves a dual purpose of securing

the windings in place and of transferring the load from the bottom to the top clamps when the core and windings are lifted. The transformer windings are designed to meet mechanical, thermal and electrical requirements. Windings are wound with either nomex covered, or synthetic varnish covered copper wire. Insulation between layers, windings and earth screen is based upon the flash withstand test level as indicated by BS 171. The core and windings are then baked in an oven to drive out any moisture, and varnish vacuum impregnated in class "H" varnish, re-placed in the oven until the varnish has baked hard. A choice of terminations are then available depending upon customers requirements and practical practices. The enclosures if required are manufactured in house, from mild sheet steel and come complete with detachable plates or conduit entries: lifting lugs or eyebolts, and base mounted channels for anchoring to the floor.



OPTIONS
SINGLE PHASE
THREE PHASE
SCOTT CONNECTED
DOUBLE WOUND
AUTOWOUND
OPEN TYPE
ENCLOSED TYPE
AIR COOLED
OIL IMMERSED

