

INTEK Intelligence

ELECTRICAL INDUSTRY

3/14/2007

SN 4343

PROJECT: *Drying Electrical Transformers*



THE CHALLENGE:

How to dry batches of power transformers simultaneously with precision and repeatability?

Intek was contacted by a leading manufacturer of power transformers to create an electric batch oven to dry transformers internally before the power test stage of the manufacturing process. Due to high production requirements, a total of nine ovens were required. A guillotine door was included in the design to optimize valuable floor space taken up

by the ovens. Each of the multiple Intek ovens was constructed to ship as fully assembled as possible. Only those items restricting travel were removed for shipment. Each oven and all components fit on a single step deck trailer, simplifying assembly and installation at the site.

PRICE RANGE: \$98,000 - \$170,000

Price varies greatly depending on selected options.

SYSTEM DIMENSIONS:

120" W x 300" L x 120" H

POWER REQUIREMENT:

480V 3Ph 60Hz 160A

HEAT SOURCE:

150 KW Electric Air Heater

RECIRCULATING BLOWER:

4000 CFM Blower

EXHAUST: 1000 Cfm Blower

PROCESS TEMP: 267°F

PROCESS TIME: Varies

RESULTS: Improved product quality, eliminated moisture in transformer housing promoting a safer operation due to precision controlled process time and temperature.



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