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### Item Details

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Item Number: 00001

Customer RFQ Information: Email, Dated: 11/2/2011

Outline Drawing Title: P0CTUKK2

#### Lead-time (Per Lead-time definition in Proposal Details):

Product Lead-time (X): 9-11 weeks ex-factory

Optional Approval Drawing Lead-time (Y): 3-4 weeks plus time for customer review.

#### Description:

KVA	1500 KVA 3 Phase Pad-Mounted Transformer
Temperature Rise	65 degree average winding rise
Cooling Class	KNAN
Frequency	60 Hz.
Insulating fluid	Envirotemp FR3
Elevation	Designed for operation at 1000 m (3300 ft) above sea level
Sound Level	NEMA TR1 Standard
Efficiency Standard	DOE 2010, 10 CFR Part 431
Primary Voltage	13800GY/7970
BIL	95 kV
KV Class	15 kV
Primary Configuration	Dead Front
Primary Configuration	Loop Feed
Taps	2 - 2.5% taps above and 2 - 2.5% taps below nominal
Tap Changer	100 Amp 5-position tap changer
Primary Bushings	200 amp Cooper bushing well(s) (Qty: 6)
Inserts	15 kV, 95 kV BIL Cooper load-break inserts (Qty: 3)
Feed-through inserts	15 kV, 95 kV BIL Cooper feed-through inserts (Qty: 3)
Load-break Switching	630A four position T-blade switch
Primary Arrester	Varistar elbow arresters, 15 kV class, 10 kV (Qty: 3)
Overcurrent Protection	Bayonet fuse in series with Partial-Range Current-Limiting Fuses (Qty: 3)
Expulsion fuses	Bayonet fuses, High Amp (Qty: 3)
Bayonet Holder	Silver-Plated Holder (Qty: 3)
Secondary Voltage	480Y/277
BIL	30 kV
Secondary KV Class	1.2 kV
Secondary Bushings	Integral aluminum 6-hole spade bushing(s) (Qty: 4)
Cabinet	24in deep cabinet
Cabinet hardware	Penta-head cabinet door bolts
ANSI K-Dimension	Loop feed per ANSI C57.12.34 Figure 2 minimum dimensions
Coatings	Munsell Green (Munsell 7GY 3.29/1.5) topcoat
Construction	100% Stainless steel construction
Stainless Steel Type	304L Stainless Steel
Corrosion-proof hardware	Corrosion-proof bushing clamps and hardware
Corrosion-proof hardware	Corrosion-proof cover hardware
Gauges & Fittings	Liquid level gauge

17 Main Street Franklin, MA 01748  
E-Mail: [REDACTED]

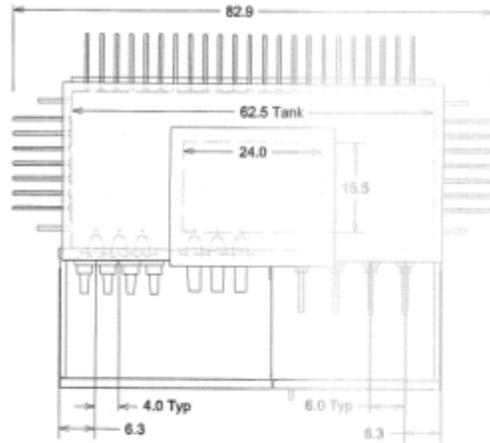
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|-------------------|---|
| Gauges & Fittings | Thermometer, dial-type                          |
| Gauges & Fittings | Pressure/vacuum gauge                           |
| Gauges & Fittings | Schrader valve                                  |
| Gauges & Fittings | Pressure relief device, 50 SCFM                 |
| Tank accessories  | Drain valve with sampler in LV Compartment (1") |
| Tank accessories  | IEEE standard two-hole ground pads (Qty: 3)     |
| Packaging         | Nitrogen Blanket                                |
| Cover             | Pallet  |
|                   | Bolted cover with handhole                      |

PERFORMANCE DATA:	
Design Impedance	5.43
Fluid Weight (lbs)	2783
Total Weight (lbs)	10009
Fluid Volume (Gallons)	362
Primary Conductor Material	Aluminum
Secondary Conductor Material	Aluminum

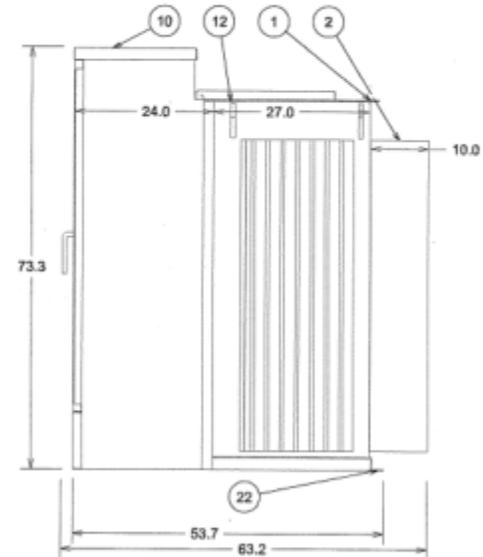
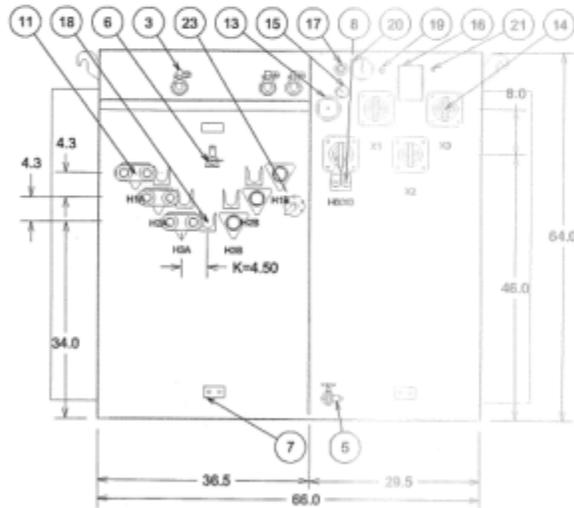
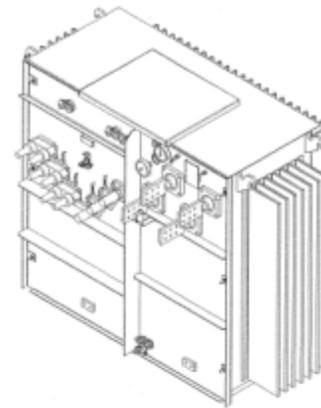
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E-Mail: [REDACTED]

ITE	DESCRIPTION
1	Bolted Cover w/ Handhole w/ Nutguard
2	Cooling Corrugate
3	Cooper Bayonet Fusing w/ Dripshield
4	Current Limiting Backup Fuse (Internal)
5	Drain Valve with Sampler
6	Four Position Loadbreak Switch
7	Ground Pad .50-13 Tap
8	Ground Strap and Pad
9	10.0kV Elbow Arrestor (boxed)
10	High Security Stainless Steel Cabinet w/ Pentahead Door Bolts
11	35kV 200 Amp HV Bushing Well w/ 15kV Feedthru (A Side) & 15kV Insert (B Side)
12	Lifting Lugs
13	Liquid Temperature Gauge
14	1.2kV LV Bushing w/6 Hole Spade
15	Magnetic Oil Level Gauge
16	Nameplate
17	One Inch Upper Press. Conn. and Fill Plug
18	Parking Stand
19	Pressure Relief Valve
20	Pressure Vacuum Gauge
21	Schrader Valve
22	Tank Base w/ Jacking and Rolling Facilities
23	Tap Changer



Cabinet Removed

POCTUKK2  
REVISIONS



3PH Padmount Transformer 60Hz  
1500.0 kVA KNAN 65 AWR FR3  
HV 13800GY/7970 95 BIL  
LV 480Y/277 30 BIL  
5.43 %Z  
Approximate Weight 10110 lbs.  
Maximum Pad Opening 21.0 X 63.0  
Munsell Green Topcoat  
Stainless Steel Construction

MATERIAL:

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES UNLESS OTHERWISE SPECIFIED  
ONE PLACE DECIMAL +/- .1  
TWO PLACE DECIMAL +/- .06  
THREE PLACE DECIMAL +/- .030  
\* CRITICAL DIMENSION ANGULAR +/- 2 Deg  
THIS DRAWING HAS BEEN GENERATED FROM A 3D MODEL.

**COOPER** Power Systems

TITLE: Distribution Transformer Outline Drawing  
SUBJ: Three-Phase Pad-mounted Compartmental Type

DWG: 3DGR DATE: 11/3/2011 REF: P3D V03R00M05 SHEET #: 1 OF 1 DESIGN #: 1 REV: 00

[CONFIDENTIAL] MUST NOT BE USED IN ANY WAY DETRIMENTAL TO COOPER POWER SYSTEMS

**POCTUKK2**