

TRANSFORMER DATA SHEET

DATE : 04/26/2015  
 CUSTOMER : HVES  
 CIRCUIT/LOCATION : HVES 2  
 MANUFACTURER : Cooper Power Systems  
 TRANSFORMER TYPE : Pad Mount CLASS : KNAN  
 S/N : 1050001522  
 THREE PHASE  SINGLE PHASE  : 60 HERTZ

VOLTAGE RATING: 13200 Delta-480 Delta LV WINDING: COPPER  
 KVA RATING: 1000 Continuous, Self Cooled HV WINDING: COPPER  
 1120 Continuous, Forced Air LV: 55°C rise, BIL: 30 kV  
 HV: 65°C rise, BIL: 95 kV

NAMEPLATE DATA

Core & Coils	3244
Case & Fittings	3139
Oil in Gallons	531
Weight in Pounds	10461

Impedance volts : 5.8 % at rated volts at : 1000 KVA

**TRANSFORMER TEST DATA**

MEGGER TEST RESULTS

POLARIZATION

CAPACITANCE in

INDEX

MICRO-FARAD

	1 Minute				
High-> Ground	18k	M-Ohms, @	5	kV DC	1.4
Low -> Ground	10k	M-Ohms, @	1	kV DC	1.2
High-> Low	15k	M-Ohms, @	1	kV DC	1.2

TRANSFORMER TTR TESTS

TAP (V)	CALC. TTR	PHASE 1	PHASE 2	PHASE 3
13860				
13530				
13200	47.6534	47.652	47.664	47.656
12870				
12540				

COMMENTS

Tag No. 11384  
 C/N 0000HV13XJFA  
 Date of Manufacture 02/2010  
 Oil: FR3  
 FLA: 49.0 on 13.2kV Tap

# COOPER Power Systems

3 $\Phi$  TRANSFORMER  
WAUKESHA, WI U.S.A

1000-1120

55-65°C | 60Hz

CP# 10500015221 $\Phi$  0000HV13XJFA

13200

KNAN

480

5.8% IZ @75°C MFC DATE FEB10

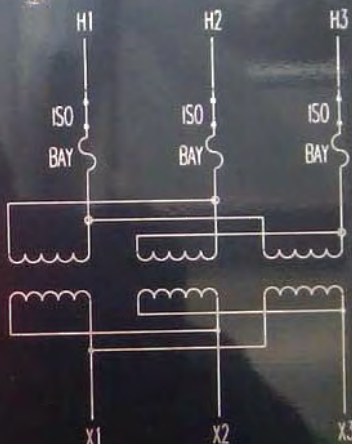
HV KV BIL	95
HV NEUTRAL KV BIL	--
LV KV BIL	30
HV/LV CONDUCTOR	CU/ CU

PCB CONTENT LESS THAN 1 PPM AT TIME OF MANUFACTURE  
CAUTION - READ INSTRUCTION MANUAL S210-12-1

1189606A8645-00

APPROX. WEIGHT IN LBS.

CORE & COIL UNTANKING	3244
TANK & FIT	3139
FLUID: FR3™ GALLONS: 531	4078
TOTAL	10461



TAP	VOLTAGE	MAX AMPS
A	13860	46.7
B	13530	47.8
C	13200	49.0
D	12870	50.2
E	12540	51.6

MAX AMPS AT 1120 KVA  
%IZ AT BASE KVA AND RATED VOLTAGE  
DOE EFFICIENCY COMPLIANT

ISO = 3001861A05M  
BAY = 4038361C04CB



17YP

LIQUID-FILLED DISTRIBUTION TRANSFORMER  
LIQUID-IMMERSED DISTRIBUTION TRANSFORMER



HIGH VOLTAGE

DANGER  
HIGH VOLTAGE