



**ITEM NO. STT-06-0023**

**STT-06-0023 ONE (1) UNUSED SURPLUS 5000 KVA LIQUID FILLED TRANSFORMER**

**DATA:**

- MOD/SN: 425000A006W
- KVA: 5000 AT 65°C RISE
- 3 PHASE, 60 Hz, 65'C RISE CLASS: KNAN
- IMP: 5.75 ± 7.50 %
- TAPS: ± 2 X 2.5 % NOM.
- HV: 4160GrdY/2402, 60 kV BIL, 694 A NOM @5000 KVA LV: 600 DELTA, 45 kV BIL, 4810 A @5000 KVA
- WT: 28,900 LBS WINDINGS: ALUMINUM

**SPECIFICATIONS:**

1. PROVISION ON BASE FOR SKIDDING
2. TRANSFORMER LIFTING LUGS
3. STAINLESS STEEL GROUND PADS (2) ON DIAGONALLY OPPOSITE SIDE OF TANK
4. STAINLESS STEEL DIAGRAMMATIC NAMEPLATE
5. 20" DIA, MANHOLE (2) WITH COVER (BOLTED AND GASKETED)
6. WELDED TOP COVER WITH LIFTING EYES (4) FOR COVER ONLY
7. COOLING RADIATORS (5), HOT DIPPED GALVANIZED, UNPAINTED, DEMOUNTABLE WITH ISOLATION VALVES, LIFTING EYES, AND 1" DRAIN/ENT PLUGS.
8. HV PORCELAIN BUSHING, 5 kV, 75 kV BIL (3) WITH 4 HOLE NEMA PAD
9. LV PORCELAIN BUSHING, 2.5 kV, 60 kV BIL, (3) WITH 12 HOLE NEMA PAD
10. 2" COMBINATION LOWER DRAIN AND FILTER VALVE WITH SAMPLER AND PLUG
11. 1" UPPER FILTER VALVE AND PLUG
12. VTC PRESSURIZATION TEST POINT WITH 1/2" BALL VALVE AND PLUG

**CTG POWER SYSTEMS INTNL., LLC**

401 East Jackson St. Suite 2340-F12 Tampa, Florida 33602 Corp. Tel.: (813) 920-3500

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13. LIQUID LEVEL GAUGE WITH CONTACTS, GAUGE CENTER IS AT 25deg C OIL LEVEL
14. LIQUID TEMPERATURE GAUGE WITH CONTACTS
15. PRESSURE VACUUM GAUGE WITH BLEEDER
16. PRESSURE RELIEF DEVICE WITH CONTACTS, FLAG AND DIRECTIONAL SHROUD
17. DE-ENERGIZED NO LOAD MANUAL TAP CHANGER WITH PROVISION FOR PADLOCKING
18. CONTROL BOX, NEMA 4, 30Hx20Wx12D, WITH BOLTED BOTTOM PLATE
19. JACK PADS (4) WITH PULLING EYES
20. HO BOTTOM CONNECTED BUSHING 15 kV, 110 kV BIL (1) WITH 4 HOLE NEMA PAD A
21. HV PARTIAL HEIGHT, BOLT-ON TYPE AIR TERMINAL CHAMBER, THROAT ACCESS FRONT BELOW, WITH BOLTED AND GASKETED FRONT, ABOVE AND SIDE ACCESS PLATE CABLE SUPPORTS AND SPACE HEATERS
22. LV AIR TERMINAL CHAMBER, FULL HEIGHT, FRONT HINGED DOOR WITH PROVISION FOR PADLOCK, BOLTED AND GASKETED BOTTOM ACCESS PLATE, CABLE SUPPORTS AND SPACE HEATERS
23. NEUTRAL GROUNDING RESISTOR, 2400V, L-N, 5A, 10 SEC
24. PHENOLIC ID TAG: TX-01
25. SUDDEN PRESSURE RELAY WITH SEAL-IN RELAY
26. SHIPPING LUG (DURING TRANSIT ONLY, REMOVE BEFORE LIFTING)
27. PROVISION FOR INTERLOCK (MODEL # TO BE DETERMINED)

**NOTES:**

1. ENVIROTEMP (FR3) FLUID FILLED TRANSFORMER, APPROXIMATELY 741 GALLONS
2. OUTDOOR SERVICE, STEP UP TRANSFORMER
3. PAINT: MUNSELL GREEN 76Y3.29/1.5 POWDER BAKED-ON COATED

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TANK INSIDE AND CORE CLAMPS PAINTED WHITE

4. TOUCH UP PAINT KIT PROVIDED

5. UNIT DESIGNED FOR SEALED TYPE OIL PRESERVATION

6. SEE 20 SERIES SHEETS FOR SCHEMATIC

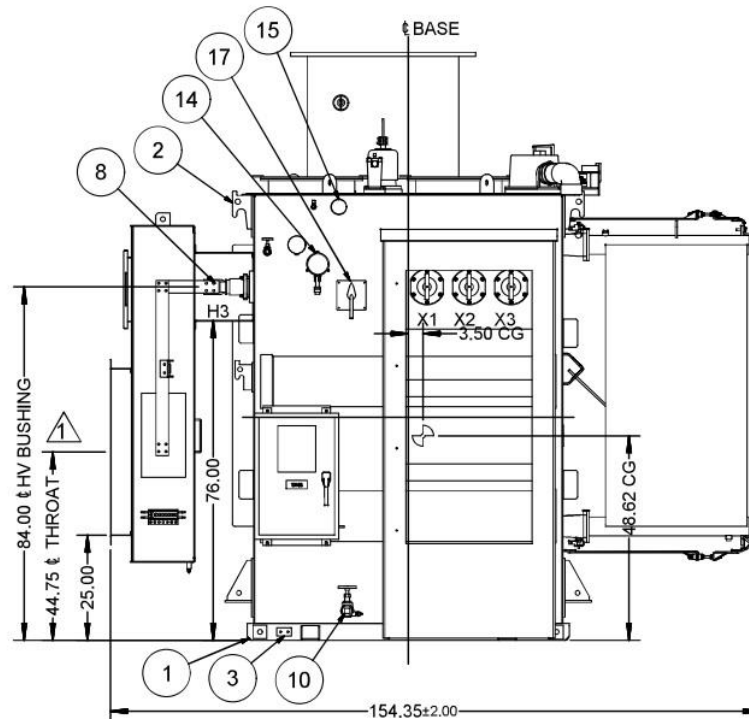
7. ACCESSORY WIRING IN RIGID GALVANIZED STEEL CONDUIT FOR FULL LENGTH

8. UNIT SHIPS FULLY ASSEMBLED AND OIL FILLED

11. UNIT DESIGNED FOR OPERATION AT MINIMUM AMBIENT - 20deg C 12. UNIT SHIPS SHRINK WRAPPED

13. UNIT DESIGNED, BUILT AND TESTED TO CSA STANDARD C88-16 14. DO NOT USE FORKLIFT TRUCK TO HANDLING THE UNIT,

THE USE OF FORKLIFT TRUCK COULD AFFECT TRANSFORMER



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# CTG

Power Systems Intl., LLC



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VIRGINIA TRANSFORMER CORP.  
VTC WEST S.A. DE C.V. CHIHUAHUA, CHIH. MEXICO  
A SUBSIDIARY OF VIRGINIA TRANSFORMER CORP., ROANOKE, VA, U.S.A.  
STEP UP LIQUID FILLED TRANSFORMER

SERIAL NUMBER: 425000A006W-WN040A

KVA: 5000	65 °C RISE	60 Hz
HV: 4160GrdY/2402	BIL: 60 KV	PHASES: 3
LV: 600	BIL: 45 KV	CLASS: KNAN

HV WDG: ALUMINUM LV WDG: ALUMINUM IMPEDANCE: 5.37% AT 85°C

MFG DATE MONTH/YEAR: 08/2021 LIQUID: ENVIROTEMP (FR3)

	VOLTS	AMPS @ 5000 kVA	POS	CAUTION
HV	4370	661	1/A	DE-ENERGIZE TRANSFORMER BEFORE CHANGING TAPS REFER INSTRUCTION MANUAL LF-5 BEFORE ENERGIZATION
	4265	677	2/B	
	4160	694	3/C	
	4055	712	4/D	
	3950	731	5/E	
LV	600	4810		

MAX. OPERATING PRESSURE 9(62) PSI (kPa) POSITIVE, 7(48) PSI (kPa) NEGATIVE.  
TANK DESIGNED FOR 15(104) PSI (kPa) VACUUM FILLING 25 °C LIQUID LEVEL TO TOP FLANGE OF MANHOLE 15.75(400) IN (mm) LIQUID LEVEL CHANGES 0.65(17) IN (mm) PER 1 °C CHANGE IN LIQUID TEMPERATURE. CONTAINS NO DETECTABLE LEVEL OF PCB (<2 PPM) AT THE TIME OF MANUFACTURE.

WEIGHT LBS (KG)

CORE & COILS	10040(4554)	TOTAL WEIGHT	28900(13109)
TANK & FITTINGS	10790(4894)	UNTANKING WEIGHT	11820(5361)
LIQUID U.S. GALLONS (LITERS)	820(3104)		8290(2853)

CAUTION: DO NOT OPERATE TAP CHANGER FOR LIQUID TEMPERATURE 15°C OR BELOW. FOLLOW SEE INSTRUCTIONS FOR ENERGIZATION UNDER GOLD COILS MARKING.

PHASOR DIAGRAM

Vector Group: Yd11

MADE IN MEXICO

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