



CLASS KNAN

LOAD AMPS 656

TYPE A

CAT.
NO.MFG.
DATE

WDG. SHUNT CU SERIES AL

KV 95 C.T. 600:0.2
BIL. RATIO

TAP CHANGER: QD8

ENVIROTEMP FR3 FLUID
MAINTAIN INSULATING FLUID DRYNESS.
MINIMIZE EXPOSURE TO ATMOSPHERE.
AFTER SERVICING, VERIFY TANK SEAL.

UNTANKING WEIGHT

LBS.

TOTAL
WEIGHT

LBS.

GAL.
FLUID

686256 REV 00

WHEN MANUFACTURED CONTAINED
LESS THAN 1 PPM PCB

MADE IN WAUKESHA
WISCONSIN, U.S.A.

TAP IN USE	LOAD VOLTS	CONTROL WDG. TAP (TANK)	INTERNAL P.T. RATIO	R.C.T. P.T. (CONTROL)	TEST TERMINAL VOLTAGE	OVERALL RATIO
○	8000	E ₁	60:1	133	120.5	66.5:1
○	7970	E ₁	60:1	133	120	66.5:1
○	7620	E ₁	60:1	127	120	63.5:1
○	7200	E ₁	60:1	120	120	60:1
○	6930	E ₁	60:1	115	120.5	57.5:1
○	4800	E ₂	40:1	120	120	40:1
○	4160	E ₂	40:1	104	120	34.7:1
○	2400	E ₃	20:1	120	120	20:1

PO

TAPS LOCATED UNDER
OIL ON TAP CHANGER
TERMINAL BOARD

WARNING:

DO NOT BYPASS UNLESS ON NEUTRAL POSITION AND
CONTROL SWITCH IS OFF. FAILURE TO DO SO MAY
CAUSE DAMAGE TO REGULATOR, RESULTING IN PERSONAL
INJURY OR DEATH. READ INSTALLATION AND OPERATING
INSTRUCTIONS S225-60-1 AND S225-11-1

LIMIT SWITCH SETTINGS ON POSITION INDICATOR					
REGULATION LIMITED TO $\pm$	5%	6 $\frac{1}{4}$ %	7 $\frac{1}{2}$ %	8 $\frac{3}{4}$ %	10%
% RATED 65°C LOAD AMPS	102*	102*	102*	102*	100

*TAP CHANGER MAX. AMPERE RATING 668 AMPS

MASTER = RGE12A6
SCHEM = VRPQA13A
VCHART = VTAP08C
ACHART = LAMP177

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

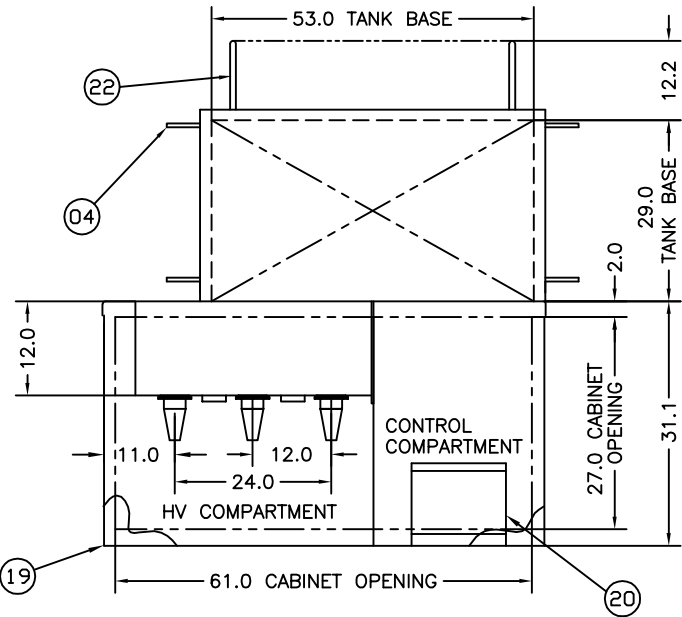
DIMENSIONS IN INCHES
DO NOT SCALE TOLERANCES UNLESS
OTHERWISE SPECIFIED

FINISH PART TOLERANCES - IN INCHES	
ONE PLACE DECIMAL	± .1
TWO PLACE DECIMAL	± .06
THREE PLACE DECIMAL	± .03
FRACTIONAL DIM.	± 1/32"
ANGULAR	± 1°



DWN.	MJT	DATE	03-17-06	APPL.	MJT	DATE	03-17-06
PRINT				DESIGN			
DIST.				REF.			
SCALE				B626891			
1.5=1				B686256			
				PAGE 1 OF 1			

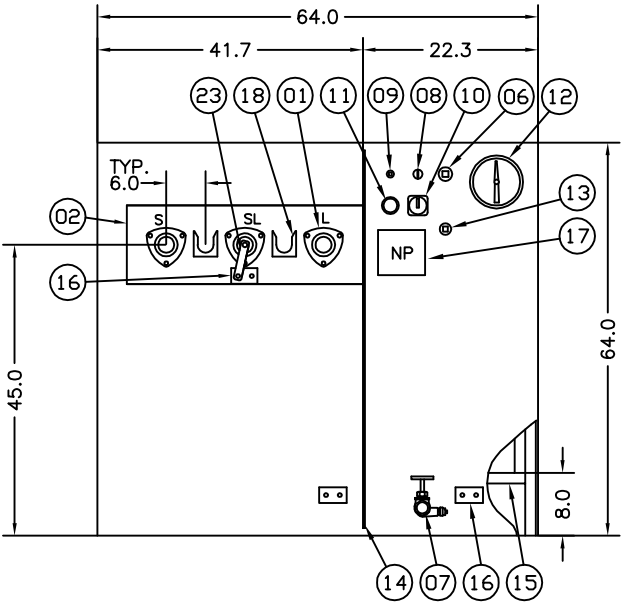
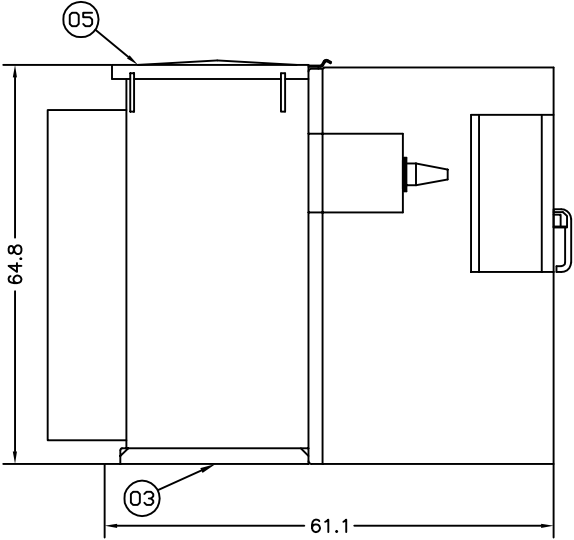
IT	DESCRIPTION
1	HIGH VOLTAGE INTEGRAL APPARATUS BUSHING - 25KV, 600AMP
2	TANK BOXOUT FOR HV BUSHINGS
3	REGULATOR TANK BASE W/JACKING AND ROLLING FACILITIES
4	LIFTING LUGS
5	BOLTED COVER W/NUT GUARD
6	1.0" UPPER FILTER PRESS CONN. & FILL PLUG
7	1.0" DRAIN VALVE W/SAMPLER
8	AUTO PRESS. RELIEF DEVICE
9	PRESSURE VACUUM GAUGE PROVISION
10	MAGNETIC OIL LEVEL GAUGE
11	OIL SIGHT GAUGE
12	TAP CHANGER POSITION INDICATOR W/ DRAGHANDS AND
13	REGULATION RANGE LIMIT SWITCHES
14	THERMOMETER WITH ALARM CONTACTS
15	STEEL DIVIDER PLATE
16	REMOVABLE SILL
17	GROUND PAD W/ 2 - 1/2-13 UNC TAPPED HOLES 7/16 DEEP
18	NAMEPLATE
19	PARKING STAND
20	BOLTED HIGH SECURITY CABINET W/PENTAHEAD DOOR BOLTS
21	CONTROL ENCLOSURE - LOCKABLE - ON INSIDE OF CABINET DOOR
22	NA
23	COOLING CORRUGATION
24	GROUND STRAP FOR S-L BUSHING



UNIT SHIPPED WITH 3 PSI NITROGEN BLANKET

ENVIROTEMP FR3 FLUID
MAINTAIN INSULATING FLUID DRYNESS.
MINIMIZE EXPOSURE TO ATMOSPHERE.
AFTER SERVICING, VERIFY TANK SEAL.

RATED VOLTAGE: 7620/13200GRDY
LOAD AMPS: 656
KVA: 500
REGULATION:
±10% IN 32 5/8% STEPS
OIL VOLUME: 360 GAL
UNTANKING WEIGHT: 1921 LBS.
TOTAL WEIGHT: 6486 LBS
CONTROL: CL-6
QUIK DRIVE TAP CHANGER
FINISH: MUNSELL 7GY 3.29/1.5
PADMOUNT GREEN



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TWO PLACE DECIMAL ± .06
THREE PLACE DECIMAL ± .03
FRACTIONAL DIM. ± 1/32"
ANGULAR ± 1°

COOPER Cooper Power Systems			
NAME: OUTLINE DRAWING			
DESCRIPTION: PADMOUNTED VOLTAGE REGULATOR			
1 PHASE 60 HZ. 65°C RISE			
DWN.	DATE	APPD.	DATE
MJT	03-24-06	MJT	03-24-06
PRINT	DESIGN		REF.
DIST.	4242600B0371		
SCALE	PAGE		
NTS	4242600B0389		1 OF 1