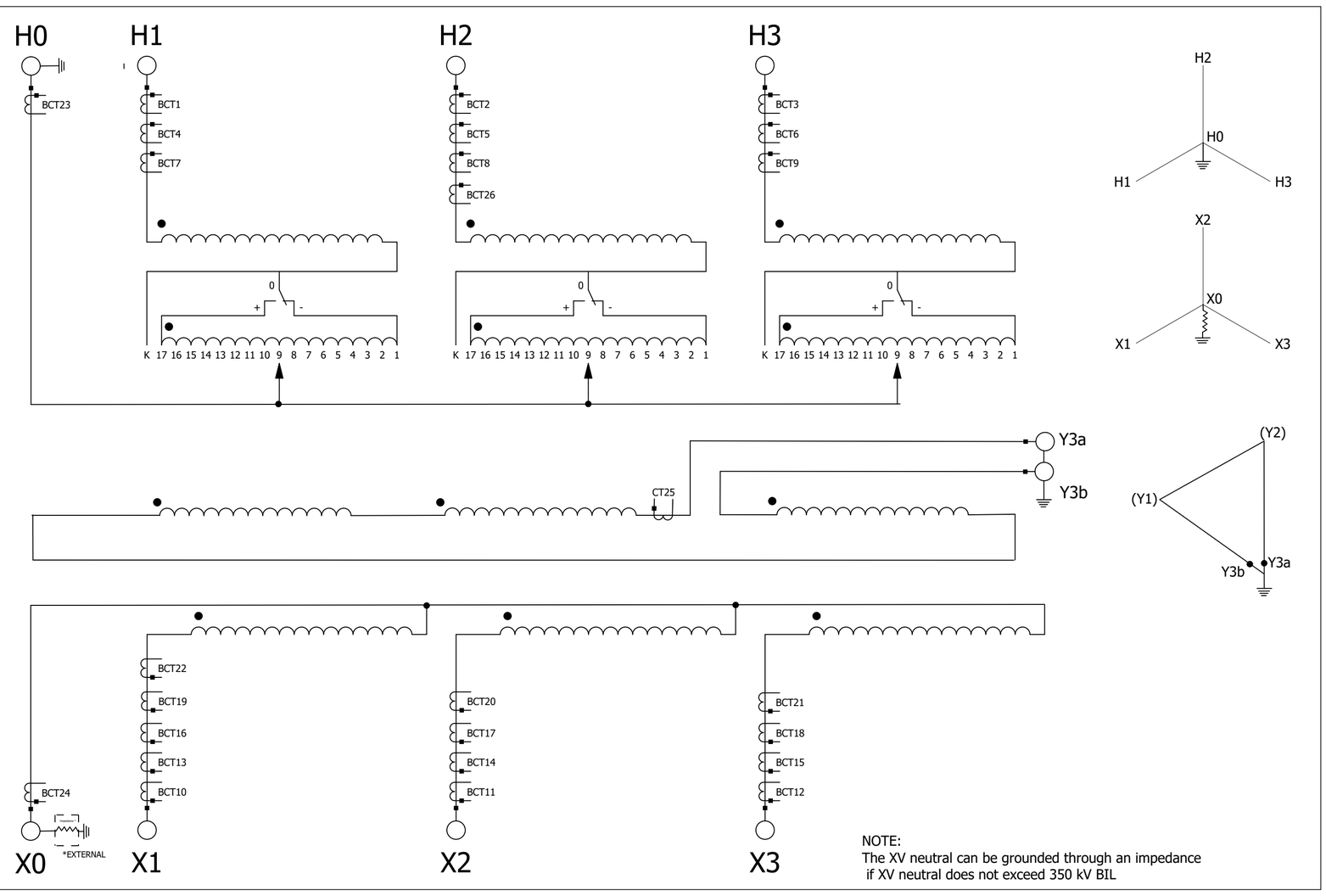
INTERN:
Dimensions: 594x420mm
Material: stainless steel
blanc - blanc

ROYAL SMIT
Your dedicated partner
of the SGB-SMIT Group

MPT #1

PO NUMBER

SERIAL NUMBER:



NOTE:
The XV neutral can be grounded through an impedance
if XV neutral does not exceed 350 kV BIL

DATA	
CONSTRUCTION TYPE	3-LEGGED, CORE FORM
RATED POWER HV - XV	240 / 320 / 400 MVA
RATED POWER YV*	90 MVA
RATED VOLTAGE	525,000 GrdY / 303,108V - 69,000 Y / 39,837V - (13,700) V
COOLING CLASS	ONAN / ONAF / ONAF
NUMBER OF PHASES	3
RATED FREQUENCY	60 HZ
INSTALLATION ALTITUDE	3300 FEET ABOVE SEA LEVEL
RATED DAILY MINIMUM / PEAK AMBIENT	-26 °C / +55 °C
TOP OIL TEMPERATURE RISE	50 °C
AVERAGE WINDING TEMPERATURE RISE	50 °C
WINDING HOTSPOT TEMPERATURE RISE	65 °C
CONDUCTOR MATERIAL	ALL WINDINGS, COPPER
TANK AND CONSERVATOR	WITHSTAND MAX. 10 PSI POSITIVE PRESSURE AND FULL VACUUM
TRANSFORMER SUITABLE FOR	STEP-UP (400MVA) STEP-DOWN (250MVA)
DESIGN SEISMIC CAPABILITY	MODERATE
INSULATION LEVEL HV BIL	WINDING 1550 kV / BUSHING 1675 kV
INSULATION LEVEL H0 BIL	WINDING 150 kV / BUSHING 150 kV
INSULATION LEVEL XV BIL	WINDING 350 kV / BUSHING 350 kV
INSULATION LEVEL X0 BIL	WINDING 350 kV / BUSHING 350 kV
INSULATION LEVEL YV BIL	WINDING 150 kV / BUSHING 150 kV
ON LOAD TAP CHANGER MAKE:	MR - GERMANY
TYPE:	VRH III 1300Y-72.5/RC-18353W (AGIS SYSTEM)
TRANSFORMER OIL	ASTM D3487, TYPE II (INHIBITED)
	NO DETECTABLE LEVEL OF PCB (< 2 PPM) UPON INITIAL DELIVERY
O & M MANUAL	312001159
SERIAL NUMBER	3231784
YEAR OF MANUFACTURE	2022
STANDARD	IEEE C57.12.00 - 2015

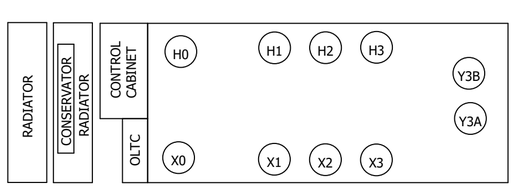
*YV BURIED WITH ONE CORNER BROUGHT OUT AND GROUNDED

BCT DATA			
CODE	LOCATION	RATIO	CLASS
BCT1 to BCT9	H1 - H2 - H3	MR 2000:5A	C800
BCT10 to BCT18	X1 - X2 - X3	MR 4000:5A	C800
BCT19 to BCT21	X1 - X2 - X3	SR 4000:5A	C800
BCT22	X1 LTC	SR 3500:5A	0.5B1.8
BCT23	H0	MR 2000:5A	C800
BCT24	X0	MR 4000:5A	C800
CT25	Y2	MR 4000:5A	C800
BCT26	H2 WTI	SR 500:5A	C200

PERCENT IMPEDANCES at 85°C			
	RATIO V	MVA BASE	POS. SEQUENCE %
H - X	577,500 - 69,000	240	13.49
H - X	525,000 - 69,000	240	12.90
H - X	427,500 - 69,000	240	12.83
H - Y	577,500 - 13,700	90	7.52
H - Y	525,000 - 13,700	90	7.26
H - Y	427,500 - 13,700	90	7.18
X - Y	69,000 - 13,700	90	1.66

CONNECTIONS			H1 - H2 - H3 / H0		X1 - X2 - X3 / X0	
POSITION OLTC	FINE SELECTOR	REVERSE SELECTOR	VOLTAGE V	CURRENT @ 400 MVA A	VOLTAGE V	CURRENT @ 400 MVA A
16L	17		472,500	489		
15L	16		475,781	485		
14L	15		479,063	482		
13L	14		482,344	479		
12L	13		485,625	476		
11L	12		488,906	472		
10L	11		492,188	469		
9L	10	0 - -	495,469	466		
8L	9		498,750	463		
7L	8		502,031	460		
6L	7		505,313	457		
5L	6		508,594	454		
4L	5		511,875	451		
3L	4		515,156	448		
2L	3		518,438	445		
1L	2		521,719	443		
NL	1					
N	K		525,000	440	69,000	3347,0
NR	17					
1R	16		528,281	437		
2R	15		531,563	434		
3R	14		534,844	432		
4R	13		538,125	429		
5R	12		541,406	427		
6R	11		544,688	424		
7R	10		547,969	421		
8R	9		551,250	419		
9R	8	0 - +	554,531	416		
10R	7		557,813	414		
11R	6		561,094	412		
12R	5		564,375	409		
13R	4		567,656	407		
14R	3		570,938	404		
15R	2		574,219	402		
16R	1		577,500	400		

APPROX. WEIGHTS AND QUANTITIES				
	gallon	liter	lbs	kg
CORE AND COILS			396,900	180,000
TANK AND FITTINGS			125,300	56,800
WEIGHT OF EACH RADIATOR (WITHOUT OIL)			1,819	825
TOTAL OIL IN RADIATORS @ 25°C	60	229	437	198
OIL IN CONSERVATOR @ 25°C	1,843	6,977	13,305	6,035
TOTAL OIL @ 25°C	25,390	96,100	183,200	83,100
SHIPPING WEIGHT			501,800	227,600
UNTANKING WEIGHT HEAVIEST PIECE			396,900	180,000
TRANSFORMER WEIGHT (INCL. OIL)			705,400	319,900



312001159-2316303-001 MADE IN THE NETHERLANDS

Description of modification	Comment Customer
Proj. no:	
Modified by	M.Woesthoff
Drawn	M.Woesthoff
Date	23-Aug-2022
Date	29-Jun-2021

ROYAL SMIT

Name: Name Plate

Drawing number: 2316303-001

Rev: E

Form: A1

page no 1 no of pages 2