



POWER TRANSFORMERS

Transmission & Distribution

TRANSFORMER SERIAL No		HV	110	CORE & WINDING MASS	(kg)		3 PHASE 50 HERTZ	SPECIFICATION: GGSS1074 & P33A	
ESKOM ASSET No.		ODAF RATING (MVA)	MV1 55	UNTANKING MASS	(kg)		SYSTEM FAULT LEVELS (KA PER PHASE)		HV 24
ESKOM ORDER No.			MV2 55	OIL MASS	(kg)		EXCLUDING SYSTEM IMPEDANCE		MV1/MV2 17/17
		OIL TEMPERATURE RISE (K)	4.8	TOTAL MASS	(kg)		DESPATCHED MONTH/YEAR		/
		WINDING TEMPERATURE RISE(K)	58	TRANSPORT MASS	(kg)		MAXIMUM ALTITUDE		(m) 1800
PERCENT IMPEDANCE VALUES AT 75 °C				CONSERVATOR MASS WITH OIL		(kg)	TRANSFORMER MUST BE OIL FILLED UNDER FULL VACUUM		
				INSULATION LEVELS			SUITABLE FOR FULL VACUUM AT SEA LEVEL		
				(IMPULSE / SEPARATE SOURCE / INDUCED)			CONSERVATOR FITTED WITH PRESERVATION BAG		
NORMAL POSITION TAP 3		HV/MV1		HV LINE	(kV)	150/50/44	TRANSFORMER NOISE LEVEL IEC 60076-10 db		
MAXIMUM VOLTAGE TAP 1		%	%	HV NEUTRAL	(kV)	150/50/0	THIS TRANSFORMER IS SUITABLE FOR OVERLOADS IN ACCORDANCE WITH IEC 60354		
MINIMUM VOLTAGE TAP 5		%	%						
LOSS VALUES AT 75 °C AND NORMAL TAP				MV1/MV2 LINE		(kV)	95/38/32		
NO LOAD LOSS		(W)		MV1/MV2 NEUTRAL		(kV)	95/38/0		
LOAD LOSS		(W)							

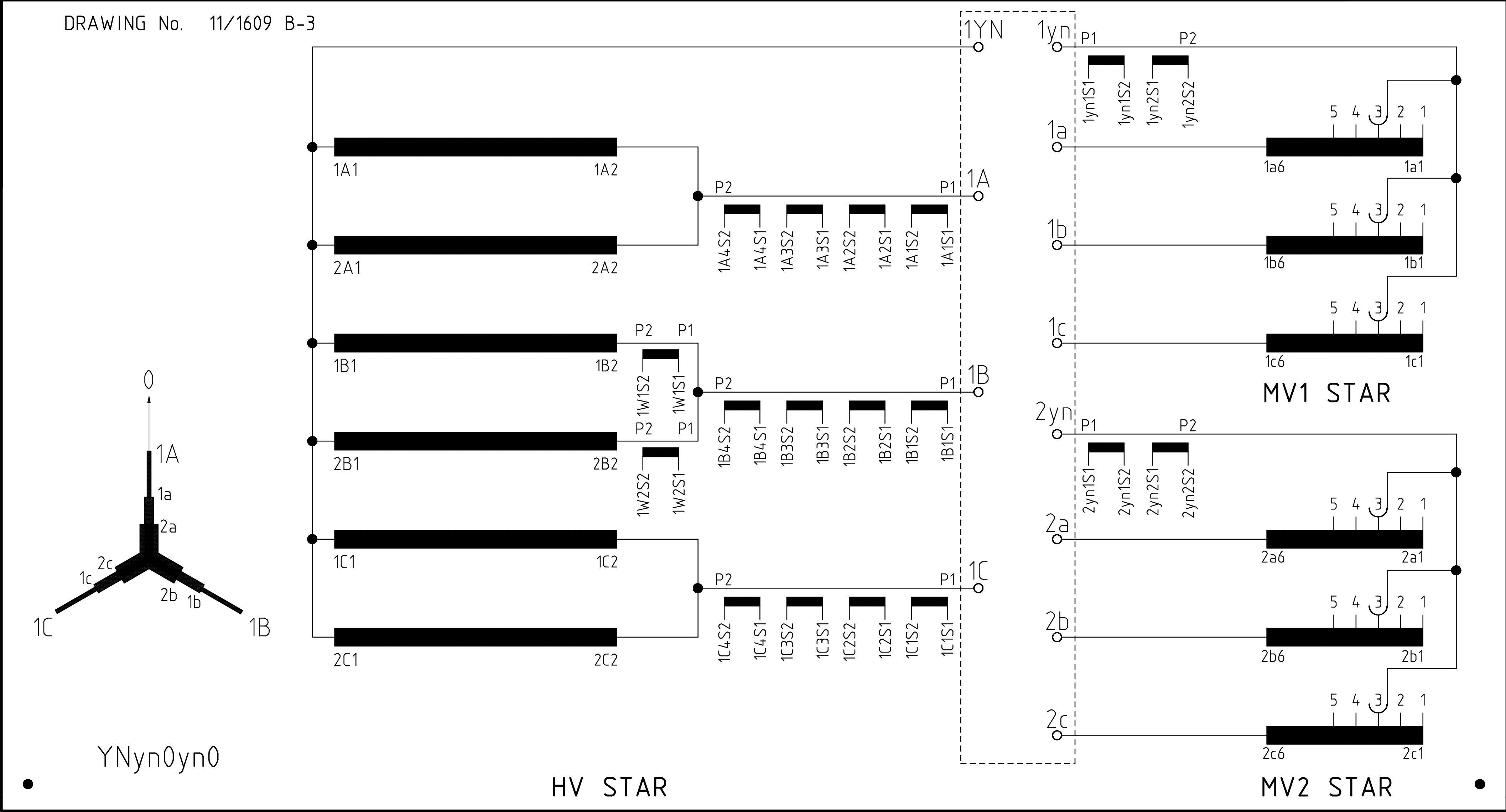
DETAILS OF HV CURRENT TRANSFORMERS TO SABS IEC 60044-1

APPLICATION	DIFF	DIFF	DIFF	METERING	METERING	METERING	OC	OC	OC	DIFF	DIFF	DIFF	WTI	WTI
NUMBER	1A1	1B1	1C1	1A2	1B2	1C2	1A3	1B3	1C3	1A4	1B4	1C4	1W1	1W2
SERIAL No.														
RATIO OR IP	3000	3000	3000							27000	27000	27000		
URNS RATIO	3000/1	3000/1	3000/1	3000/1	3000/1	3000/1	3000/1	3000/1	3000/1	27000/10	27000/10	27000/10	1800/2	1800/2
ACROSS	S1 - S2	S1 - S2	S1 - S2	S1 - S2	S1 - S2	S1 - S2	S1 - S2	S1 - S2	S1 - S2	S1 - S2	S1 - S2	S1 - S2	S1 - S2	S1 - S2
VA OR V _{k(VI)} /Im(mA)	900/35	900/35	900/35	15	15	15	15	15	15	1060/35	1060/35	1060/35	10	10
CLASS & ALF.	PX	PX	PX	0,2	0,2	0,2	10P15	10P15	10P15	PX	PX	PX	1	1
kA / sec.														
AT / MINUTES														
R _s AT 75 °C (Ω)	15	15	15				12,3	12,3	12,3	3,5	3,5	3,5		

DETAILS OF MV CURRENT TRANSFORMERS TO SABS IEC 60044-1									
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VOLTS	AMPS	ACROSS	VOLTS	AMPS	OCTS TAP CHANGER		ACROSS	BUSHING DETAILS (TYPE AND RATING)				
					CONNECTS	POSITION		POSITION	MAKE AND TYPE	INS. LEVEL	AMPS	
22 000	2887	1A - 1B - 1C	16 538	1 920	N - 1	1	1a - 1b - 1c	HV LINE	RTKF 36-200 / 3150 KSIT	170	3150	
			16 144	1 967	N - 2	2		HV NEUTRAL	RTKF 36-200 / 3150 KSIT	170	3150	
			15 750	2 016	N - 3	3		MV1/MV2 LINE	RTXF 24-125 / 3150 KSIT NOK	125	3150	
			15 356	2 068	N - 4	4		MV1/MV2 NEUTRAL	RTXF 24-125 / 3150 KSIT NOK	125	3150	
			14 963	2 122	N - 5	5						
			16 538	1 920	N - 1	1	2a - 2b - 2c	<div><div><div><div><div>○</div><div>○</div><div>○</div><div>○</div></div><div><div>○</div><div>○</div><div>○</div><div>○</div></div></div><div>1Yn1A1B1C</div></div><div>RELATIVE POSITION OF TERMINALS AND MAIN DRAIN VALVE</div></div>				
			16 144	1 967	N - 2	2						
			15 750	2 016	N - 3	3						
			15 356	2 068	N - 4	4						
			14 963	2 122	N - 5	5						



MATERIAL : 1,2 mm. THICK STAINLESS STEEL.

PLATE TO BE CUT SO THAT BLACKLINE BORDER
REMAINS ON FINISHED PLATE.

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