

Load Loss & Impedance Voltage Measurement(동손 및 임피던스 전압 측정)

[H-X]

1. At 27.1 [°C]

Tap Position			Rated Current [A]	Measured Current [A]	Measured Voltage [V]	Corrected Voltage [V]	%Imp.	Measured Loss [W]	Corrected Loss [W]	Base Power [MVA]
HV	XV									
10R	NONE	-	167.00	162.98	19837	20326	8.40	120114	126112	70
10R	NONE	-	279.13	282.92	34440	33979	14.04	362870	353213	117
N	NONE	-	183.70	174.71	16879	17747	8.07	114050	126089	70
N	NONE	-	307.05	315.21	30460	29671	13.49	370689	351745	117
10L	NONE	-	204.11	215.27	16933	16055	8.11	167231	150341	70
10L	NONE	-	341.16	344.53	27093	26828	13.55	427310	418991	117

2. At 85 [°C]

Tap Position			%Imp.	X/R Ratio	No Load Loss [W]	I ² R Loss [W]	The other Loss [W]	Load Loss [W]	Total Loss [W]	Base Power [MVA]
HV	XV									
10R	NONE	-	8.40	40.57	44339	125787	18930	144717	189056	70
10R	NONE	-	14.04	40.57	44339	351411	53618	405029	449368	117
N	NONE	-	8.07	38.60	44339	130205	15950	146155	190494	70
N	NONE	-	13.49	38.64	44339	363751	44143	407894	452233	117
10L	NONE	-	8.11	32.43	44339	157117	17765	174882	219221	70
10L	NONE	-	13.55	32.48	44339	438935	48799	487734	532073	117

*Testing is performed 50hz

Test Date 2015-07-13

Tested By W.S.HEO

Used Instruments TMS580

Acceptance Criteria

13.4%, Below 440000W (85°C Tap N - NONE
117MVA)

8%, Below 157500W (86°C Tap N - NONE 70MVA)

Result **Good**