WEG TRANSFORMADORES MEXICO S.A DE C.V.

THREE-PHASE POWER REGULATING TRANSFORMER

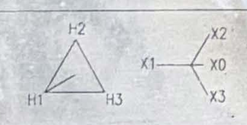
SERIAL NUMBER 1018379247 | STANDARD ANSI C57.12.00 | TYPE 12308271 | ALTITUDE 4400 ft | FREQUENCY 60 Hz | MANUFACTURE MONTH/YEAR JULY/2013

RATED VOLTAGE (V)			
120000±16x0.625% – 24900Y/14376			
kVA RATING	100000	CONTINUOUS	KNAN
kVA RATING	133333	CONTINUOUS	KNAF
kVA RATING	166667	CONTINUOUS	KNAF

IMPEDANCE AT 85°C		
BASE	VOLTAGE (V)	%
100000 kVA	120000 – 24900	9.11

BASIC IMPULSE LEVEL (kV)			
	H1,H2,H3	X1,X2,X3	X0
WINDINGS	550	150	150
BUSHINGS	650	150	150

PHASOR DIAGRAM (Dyn1)



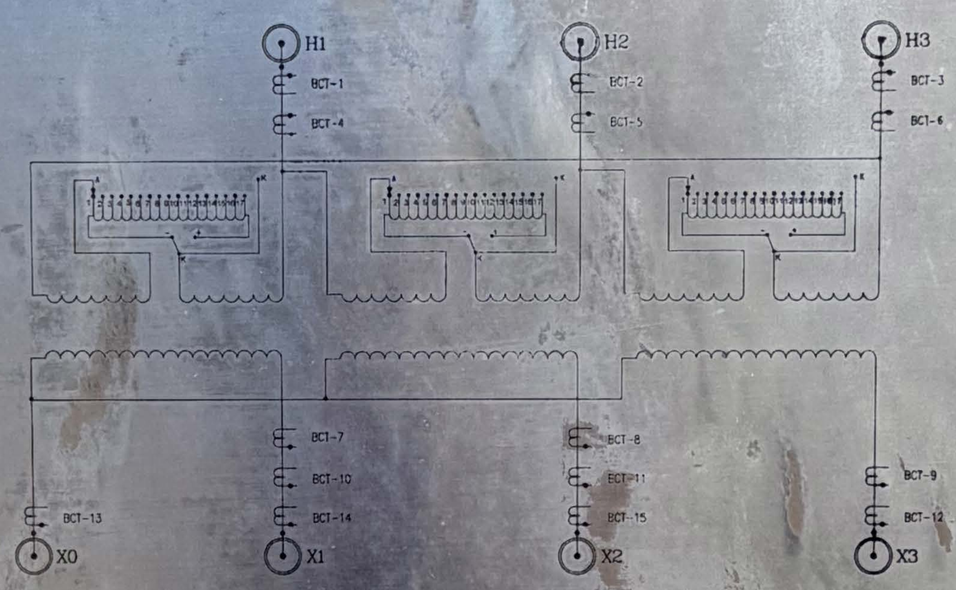
AMBIENT TEMPERATURE	TEMPERATURE RISES
50/40 °C	55/65 °C

ON LOAD TAP CHANGER
MANUFACTURER: MR
TYPE: 3xVRC I 701-123/D-18353W
MAX. RATED THROUGH-CURRENT: 700 A

APPROXIMATE WEIGHTS (POUNDS)	
CORE AND COILS	141 120
TANK AND FITTINGS	90 085
INSULATING LIQUID 11 492 Gallons	85 367
TOTAL	316 572
HEAVIEST PIECE WITHOUT OIL	181 520
HEAVIEST PIECE WITH OIL	266 887

NECESSARY HEIGHT FOR	
CORE AND COILS LIFTING (in)	305

APPROXIMATE VOLUME (GALLONS)	
LTC INSULATING LIQUID	64
RADIATORS INSULATING LIQUID	1215



HIGH-VOLTAGE BUSHINGS H1-H2-H3						
VOLTAGE (V)	CURRENT (A) 100000 kVA	133333 kVA	166667 kVA	POS.	SELECTOR	REVERSING SWITCH CONNECTS
132000	437.39	583.18	728.98	1	1	
131250	439.89	586.51	733.14	2	2	
130500	442.41	589.89	737.36	3	3	
129750	444.97	593.30	741.62	4	4	
129000	447.56	596.74	745.93	5	5	
128250	450.18	600.23	750.29	6	6	
127500	452.82	603.76	754.71	7	7	
126750	455.50	607.34	759.17	8	8	
126000	458.21	610.95	763.69	9	9	K to +
125250	460.96	614.61	768.26	10	10	
124500	463.74	618.31	772.89	11	11	
123750	466.55	622.06	777.89	12	12	
123000	469.39	625.85	782.32	13	13	
122250	472.27	629.69	787.12	14	14	
121500	475.19	633.58	791.98	15	15	
120750	478.14	637.52	796.89	16	16	
120000				17A	17	
				17B	K	+/-
				17C	1	
119250				18	2	
118500				19	3	
117750				20	4	
117000				21	5	
116250				22	6	
115500				23	7	
114750				24	8	
114000	481.13	641.50	801.88	25	9	K to –
113250				26	10	
112500				27	11	
111750				28	12	
111000				29	13	
110250				30	14	
109500				31	15	
108750				32	16	
108000				33	17	

LOW VOLTAGE BUSHINGS X0-X1-X2-X3			
VOLTAGE (V)	CURRENT (A) 100000 kVA	133333 kVA	166667 kVA
24900	2318.68	3091.56	3864.47

CURRENT TRANSFORMERS					
BCT	BURDEN	RATIO	CONNECTIONS	T.F	USE
1 TO 6	C-800	1200-5A	X1-X2-X3-X4-X5	1.33	RELAYING
7 TO 9	0.3B1.8	4000-5A	X1-X2-X3-X4-X5	1.33	METERING
10 TO 13	C-800	4000-5A	X1-X2-X3-X4-X5	1.33	RELAYING
14	1.2B1.0	4000-5A	X1-X2	1.33	LOAD TAP CHANGER
15	1.2B1.0	4000-5A	X1-X2	1.33	THERMAL IMAGE

CAUTION!

1- BEFORE INSTALLING OR OPERATING READ INSTRUCTIONS MANUAL: IOM-WTM 01

2- DO NOT OPERATE TRANSFORMER WHEN THE READING OF LIQUID LEVEL GAUGE IS BELOW THE LOW POINT OF THE SCALE.

NOTES

1- MAXIMUM OPERATING PRESSURES OF LIQUID PRESERVATION SYSTEM 6.5 lbf/in² POSITIVE AND 0.5 lbf/in² NEGATIVE.

2- TANK DESIGNED FOR 14.22 lbf/in² VACUUM FILLING.

4- ALL COPPER WINDINGS.

5- TANK, RADIATORS AND ACCESORIES SUPPORT FULL VACUUM.

6- NATURAL ESTER ENVIROTEMP FR3 AS INSULATING LIQUID.

MADE IN MEXICO
WEG TRANSFORMADORES MEXICO S.A. DE C.V.
HUEHUETOCA, EDO. DE MEXICO