



WEG TRANSFORMADORES MEXICO S.A DE C.V.
THREE-PHASE POWER REGULATING TRANSFORMER

SERIAL NUMBER 1A10379247 STANDARD ANSI C57.12.00 TYPE 12308271 ALTITUDE 4400 FT FREQUENCY 60 Hz MANUFACTURE MONTH/YEAR JUL 92/2013

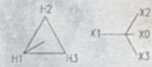
RATED VOLTAGE (V)
120000±16x0.625% - 249000/14376

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

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

PHASOR DIAGRAM (Dyn1)



AMBIENT TEMPERATURE
50/40 °C

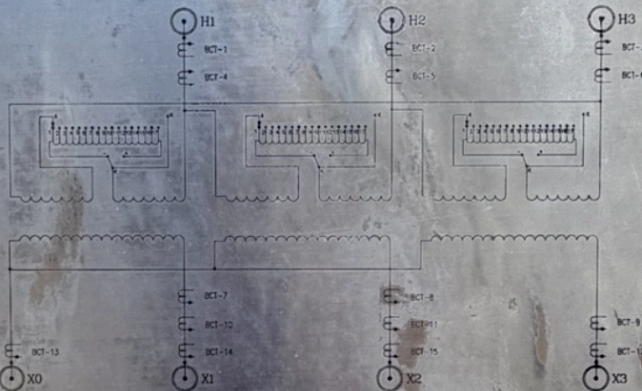
TEMPERATURE RISES
55/65 °C

ON LOAD TAP CHANGER

MANUFACTURER MR
TYPE 3WRC 1201-123/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
TOTAL	316,572
HEAVIEST PIECE WITHOUT OIL	181,520
HEAVIEST PIECE WITH OIL	266,887

NECESSARY HEIGHT FOR	
CORE AND COILS LIFTING (m)	305
APPROXIMATE VOLUME (GALLONS)	
LTC INSULATING LIQUID	64
RADIATORS INSULATING LIQUID	1215



HIGH-VOLTAGE				
BUSHINGS H1-H2-H3				
VOL. TAGE (V)	CURRENT (A)	133333 kVA	166667 kVA	POS. SELECTOR
132000	437.39	583.18	728.98	1
131250	439.89	586.51	733.14	2
130500	442.41	589.89	737.36	3
129750	444.97	593.30	741.62	4
129000	447.56	596.74	745.93	5
128250	450.18	600.23	750.29	6
127500	452.82	603.76	754.71	7
126750	455.50	607.34	759.17	8
126000	458.21	610.95	763.69	9
125250	460.96	614.61	768.26	10
124500	463.74	618.31	772.89	11
123750	466.55	622.06	777.58	12
123000	469.39	625.85	782.32	13
122250	472.27	629.69	787.12	14
121500	475.19	633.58	791.98	15
120750	478.14	637.52	796.89	16
120000			17A	17
119250			17B	18
118500			17C	19
117750			18	20
117000			19	21
116250			20	22
115500			21	23
114750			22	24
114000	481.13	641.50	801.88	25
113250			26	27
112500			27	28
111750			28	29
111000			29	30
110250			30	31
109500			31	32
108750			32	33
108000			33	34

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

CURRENT TRANSFORMERS				
BCT	BURDEN	RATIO	CONNECTIONS	USE
1 TO 6	C-800	5200-5A	X1-X2-X3-X4-X5	RELAYING
7 TO 9	0.3H1-8	4000-5A	X1-X2-X3-X4-X5	METERING
10 TO 13	C-800	4000-5A	X1-X2-X3-X4-X5	RELAYING
14	1.2B1-0	4000-5A	X1-X2	LOAD TAP CHANGER
15	1.2B1-0	4000-5A	X1-X2	THERMAL IMAGE

CAUTION!
1- BEFORE INSTALLING OR OPERATING READ INSTRUCTIONS MANUAL JSM-WTM_Q1
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 PSI/0.4 POSITIVE AND 0.5 PSI/0.4 NEGATIVE.
2- TANK DESIGNED FOR 14.22 PSI/1.0 VACUUM FILLING.
4- ALL COPPER WINDINGS.
5- TANK, RADIATORS AND ACCESSORIES SUPPORT FULL VACUUM.
6- NATURAL ESTER ENVIRONMENT PRO AS INSULATING LIQUID.

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



