3φ 60Hz 138/184/230MVA 345/34.5/13.8kV ONAN/ONAF/ONAF YNyn0d1 OLTC ON HV

NO.	DATE	DESCRIPTION OF REVISION
0.2	24.07.31	CUSTOMER COMMENTS REFLECTED
0.1	24.05.14	CUSTOMER COMMENTS REFLECTED
00	24.01.30	For Approval

HYOSUNG HEAVY INDUSTRIES

TYPE: POWER TRANSFORMER

REF. No.: –

DESIGNED	CHECKED	REVIEWED	APPROVED	DATE	2024.01.30
B.C.KWON	S.M.HAN	S.R.YU	E.J.HONG	THIRD ANGLE PROJECTION	

REVISION No. 0.2

DWG No. ETTA11022211

SCALE 1:1

UNIT mm

DWG NAME OUTLINE

(A)

ITEM	DESCRIPTION	QTY	MAKER
1	H.V BUSHING	3 EA	PCORE(U.S.A)
2	X.V BUSHING	3 EA	PCORE(U.S.A)
3	X.V.0 BUSHING	1 EA	PCORE(U.S.A)
4	H.V.0 BUSHING	1 EA	PCORE(U.S.A)
5	H.V ARRESTER	3EA	OHIO BRASS
6	X.V ARRESTER	3EA	OHIO BRASS
7	ON-LOAD TAP CHANGER	1 EA	M.R/(GERMANY)
8	PROTECTIVE RELAY FOR OLTC	1 EA	M.R/(GERMANY)
9	MOTOR DRIVE UNIT	1 EA	M.R/(GERMANY)
10	LOCAL CONTROL PANEL	1 SET	OUTDOOR
11	GROUNDING BUSHING FOR CORE	1 EA	TT TECH (KOREA)
12	GROUNDING BUSHING FOR END FRAME	1 EA	TT TECH (KOREA)
13	PRESSURE RELIEF DEVICE FOR MAIN TANK	2EA	QUALITROL (U.S.A)
14	PRESSURE RELIEF DEVICE FOR OLTC	1 EA	QUALITROL (U.S.A)
15	OIL LEVEL GAUGE FOR CONSERVATOR	1 EA	QUALITROL (U.S.A)
16	OIL LEVEL GAUGE FOR OLTC	1 EA	QUALITROL (U.S.A)
17	THERMAL PLATE	1 EA	QUALITROL (U.S.A)
18	THERMAL PLATE	1 EA	QUALITROL (U.S.A)
19	TOP OIL TEMPERATURE INDICATOR	1 EA	QUALITROL (U.S.A)
20	WINDING TEMPERATURE INDICATOR	2 EA	QUALITROL (U.S.A)
21	BREATHER FOR CONSERVATOR	1 EA	TAUN (KOREA)
22	BREATHER FOR OLTC	1 EA	TAUN (KOREA)
23	RUBBER BAG FOR CONSERVATOR	1 EA	HANSOL (KOREA)
24	FAN WITH MOTOR	36EA	MMNZ-YNYU(U.S.A)
25	BUCHHOLZ RELAY	1 EA	CDASFE (ITALY)
26	FIRE CATCH FED THROUGH PLATE	1 EA	ISO (CANADA)
27	RAPID PRESSURE RISE RELAY	1 EA	QUALITROL (U.S.A)
28	ELECTRONIC TRANSFORMER GAS MONITOR(TM)	1 EA	SEL (U.S.A)
29	OLTC CONSERVATOR	–	
30	GAS & MOISTURE MONITORING SYSTEM	1 EA	MORGAN SCHAFFER(U.S.A)
31	BUSHING MONITORING SYSTEM	1 EA	DOBLE (U.S.A)
32	HICO MARK	1 EA	
33	MAIN NAMEPLATE	1 EA	
34	VALVE LOCATION NAMEPLATE	1 EA	
35	OIL LEVEL TEMPERATURE GURVE PLATE	1 EA	
36	LIFTING HOOK	4 EA	
37	JACKING PAD WITH PULLING EYE	4 EA	
38	TYKNO SUPPORTER FOR CORE & COIL ASS'Y	2 EA	
39	COOLING RADIATORS	24EA	
40	MANHOLE & HANDHOLE	1 LOT	
41	IMPACT RECORDER	1 EA	
42	IMPACT RECORDER	1 EA	
43	JUNCTION BOX FOR COOLING FANS	4 EA	
44	GROUNDING PAD	9 EA	NEMA 2 HOLE
45	FULL ARRESTER PLATE	4 EA	–
46	GROUNDING CABLE FOR HV SURGE ARRESTER	1 SET	STRANDED COPPER WIRE(AWG 4/0)
47	GROUNDING CABLE FOR XV SURGE ARRESTER	1 SET	STRANDED COPPER WIRE(AWG 4/0)
48	GROUNDING CABLE FOR HO NEUTRAL BUSHING	1 SET	STRANDED COPPER WIRE(AWG 4/0)
49	GROUNDING CABLE FOR XO NEUTRAL BUSHING	1 SET	STRANDED COPPER WIRE(AWG 4/0)
50	ELECTRONIC PRESSURE MONITOR	1 EA	930 SERIES

WEIGHTS	
CORE & COIL	237,655 lbs (107,800 kg)
TANK & FITTING	106,925 lbs (48,500 kg)
INSULATING OIL	126,764 lbs (57,500 kg)
SHIPPING WEIGHT (WITHOUT OIL)	295,856 lbs (134,200 kg)
TOTAL WEIGHT	471,342 lbs (213,800 kg)

SHIPPING DIMENSION

362.2" [9200] (L) x 139.76" [3550] (W) x 191.99" [4877] (H)

ITEM	DESCRIPTION	SPECIFICATION	Q'TY	MAKER
71	LOWER FILTER/DRAIN VALVE WITH SAMPLING DEVICE FOR MAIN TANK	2" GLOBE VALVE	1 EA	
72	UPPER FILTER VALVE WITH SAMPLING DEVICE FOR MAIN TANK	2" GLOBE VALVE	1 EA	
73	VACUUM VALVE FOR MAIN TANK	3" BALL VALVE	1 EA	
74	CONNECTING VALVE FOR CONSERVATOR	3" BALL VALVE	1EA	
75	INLET BUTTERFLY VALVE FOR RADIATOR	3" BUTTERFLY VALVE	48EA	
76	VACUUM VALVE FOR CONSERVATION	1" BALL VALVE	1 EA	
77	EQUALIZING VALVE FOR CONSERVATOR	1" BALL VALVE	1 EA	
78	DRAIN VALVE FOR CONSERVATOR	1" BALL VALVE	1 EA	
79	AIR VENT FOR RADIATOR	M16	24EA	
80	DRAIN PLUG FOR RADIATOR	M16	24EA	
81	AIR VENT FOR CONSERVATOR	M16	2EA	
82	CONNECTING VALVE FOR RAPID PRESSURE RISE RELAY FOR MAIN TANK	2" BALL VALVE	1 EA	
83	DRAIN VALVE FOR OLTC CONSERVATION	1" BALL VALVE	1 EA	
84	CONNECTING VALVE FOR OLTC CONSERVATOR	1" BALL VALVE	1 EA	
85	OIL-SUCTION-VALVE-FOR-OLTC	1" BALL VALVE	1 EA	
86	GAS SAMPLING DEVICE FOR BUCCHOLZ RELAY	–	1 EA	
87	CONNECTING VALVE FOR CASTOR DCA	1" BALL VALVE	2EA	
88	BUCHHOLZ RELAY ISOLATION VALVE	3" BALL VALVE	2EA	

PART LIST





