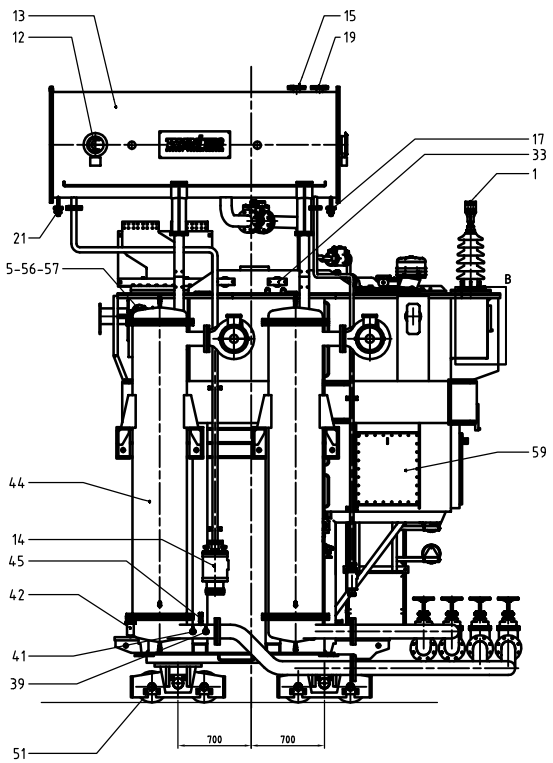

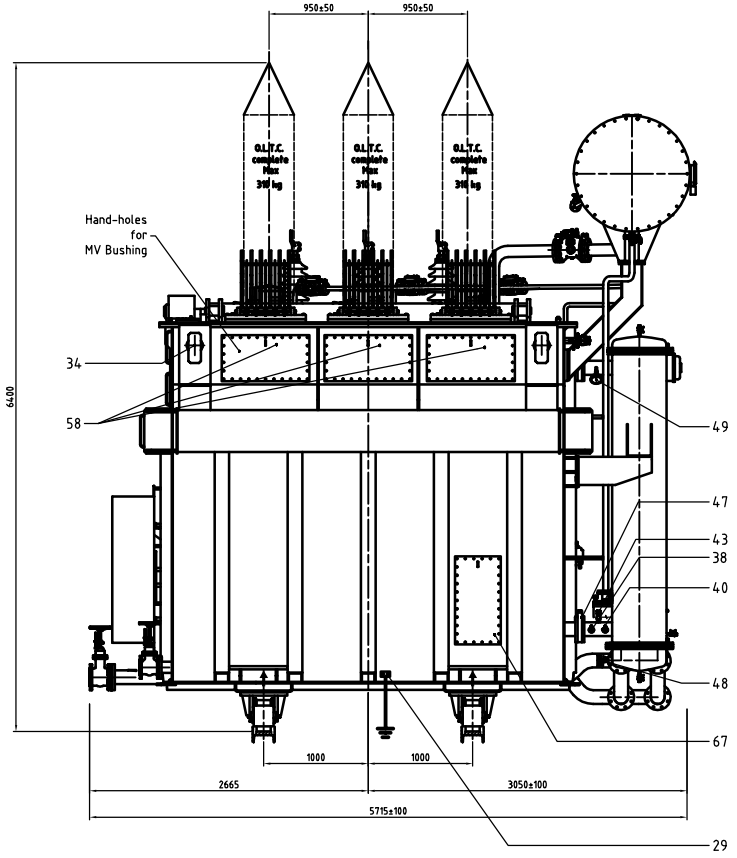

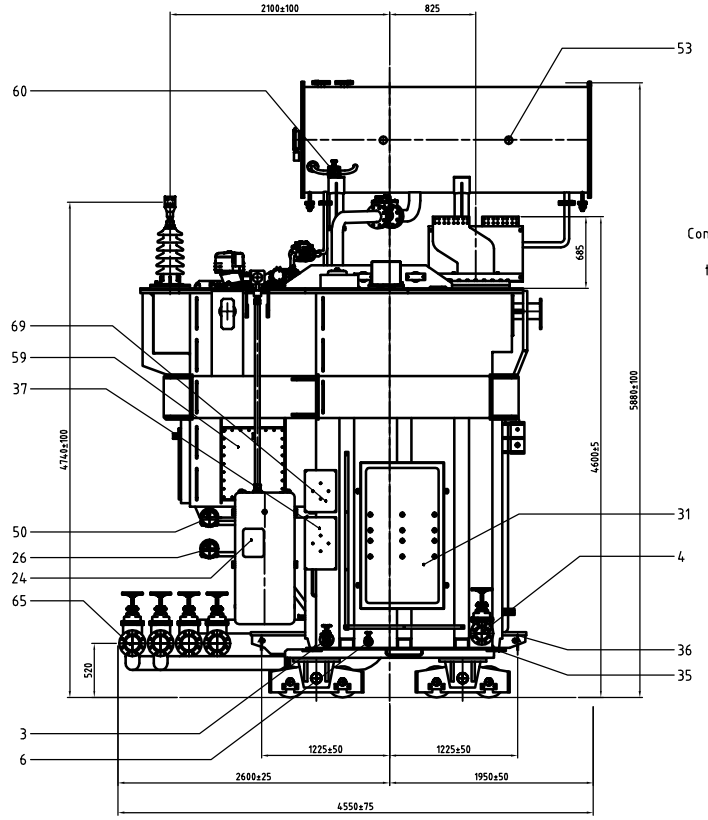

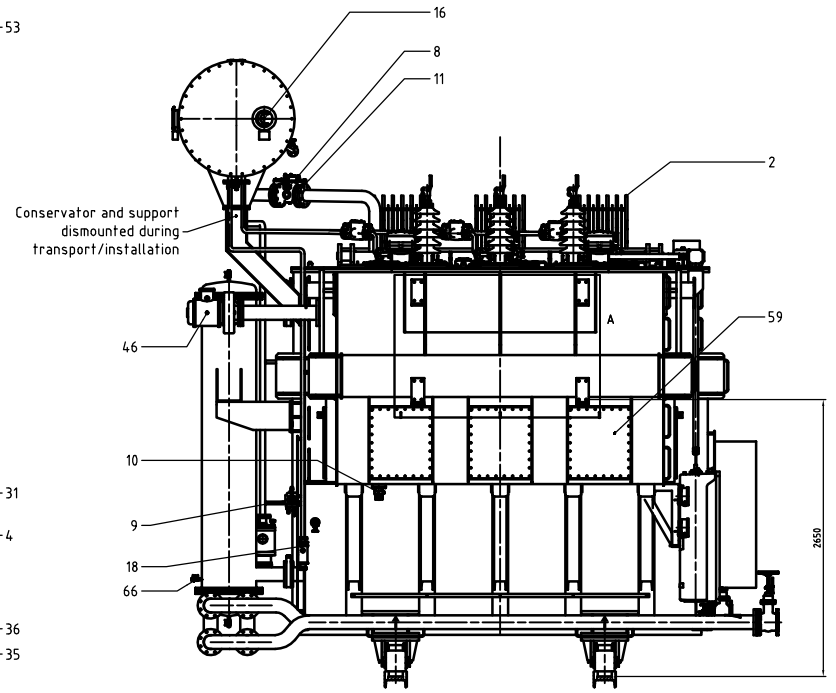

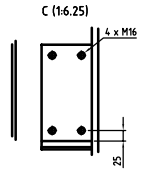

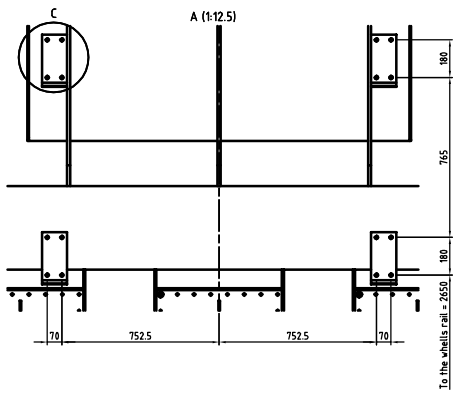

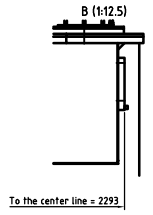

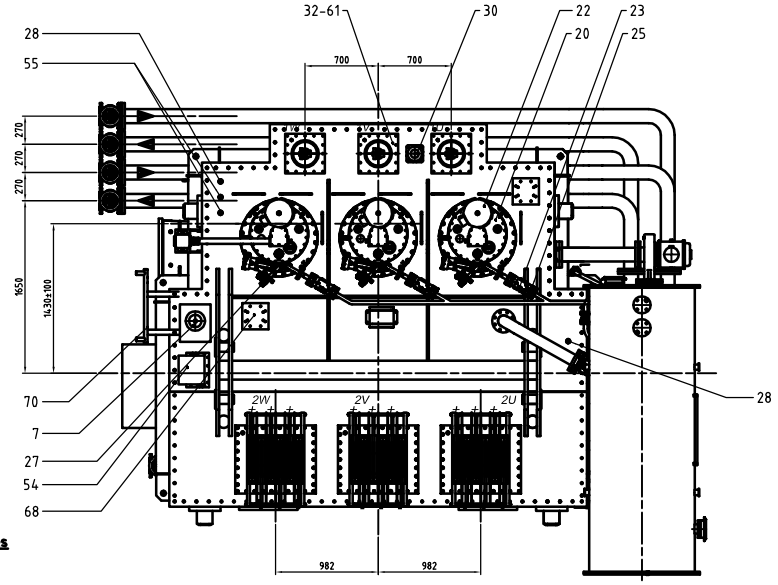

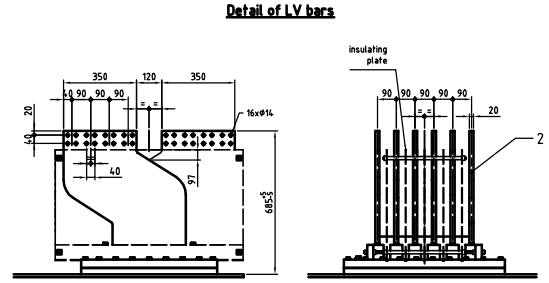

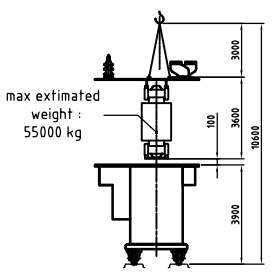

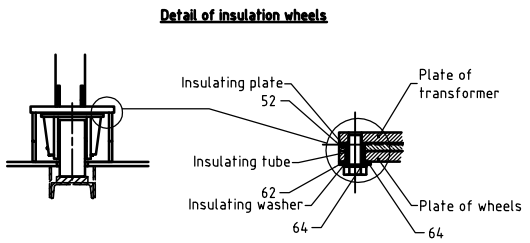

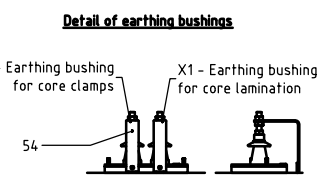

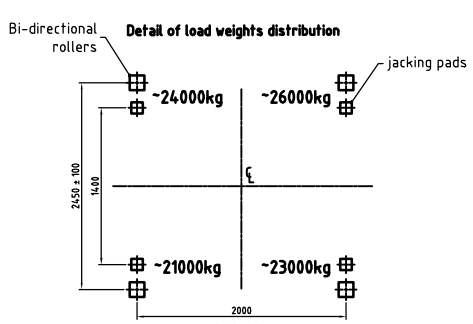

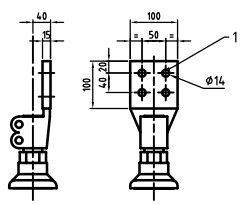

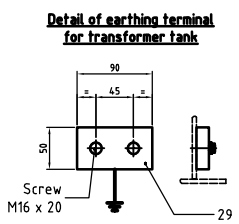

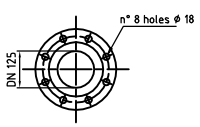

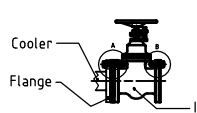

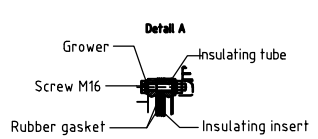

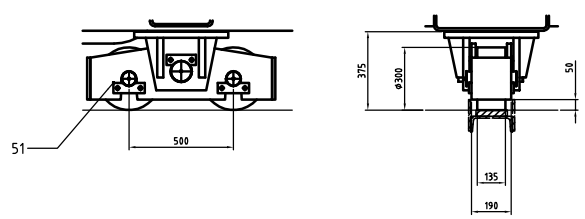

Detail of MV bushing (1U-1V-1W)

Detail of earthing terminal for transformer tank

Detail of inlet/outlet water valves DN 125 - PN 16 UNI 2278 with raised face UNI 2229

Detail of water valves flange

Detail of wheels

Detail of LV bars

Detail of insulation wheels

Detail of load weights distribution

LV side

Detail of untanking mass lifting

Detail of earthing bushings

Equipment Code:	=GD11E10+ACT01
Rated power :	68 MVA - ONAN
Rated voltage :	33000 / 900 ÷ 499 V
Connection symbol :	D d (open)
Painting cycle :	RAL 7023
Max estimated total mass :	90000 kg
Max estimated untanking mass :	52000 kg
Max estimated oil mass :	22000 kg

Item	Description	N.	Maker	Type	Remarks
70	Ladder fixing point	1	TAMBITES		
69	P&I plate	1	TAMBITES	400 x 300	
68	Anchorage point for fall protection system	2	TAMBITES		
67	Inspection manholes	1	TAMBITES		
66	Oil drain valve for cooler	2	TAMBITES	2" F	
65	Inlet/outlet water valves	4	TAMBITES	DN 125 PN16	
64	Insulating tube for pos. 51	16	TAMBITES		
63	Bolt and washer for pos. 51	16	TAMBITES		
62	Insulating washer for pos. 51	16	TAMBITES		
61	CT for WTI	1	TAMBITES	CTWTI 1250/2A 30VA cl.0	
60	By-pass valve between TR and O.L.T.C. conserv.	1	TAMBITES	1"	
59	O.L.T.C. inspection manhole	1	TAMBITES		
58	LV inspection manholes	3	TAMBITES		
57	Vacuum gauge valve	1	TAMBITES	3/8" M	With plug F
56	Vacuum pump valve	1	TAMBITES	1"½ M	With plug F
55	WTI pocket + spare	2	TAMBITES	1" F	With plug M
54	Earthing bushing for core lamination and core clamps	2	COMEM	3 kV / 630 A	
53	Lifting hooks for conservator	4	TAMBITES	ø 50	
52	Insulating plate for pos. 51	4	TAMBITES		
51	Bi-directional roller	4	TAMBITES	ø300	
50	HV Winding Temperature Indicator	1	MESSKO	MT-ST-160MR/TT/4U/S/18	
49	Inlet oil manometer	2	TERMAN		
48	Inlet water manometer	2	TERMAN		
47	Intercepting valves for inlet/outlet oil pipe	4	ETI	JU 125	DN 125
46	Oil pump	2	BOLDROCCHI	LB 125	400 V - 50 Hz
45	Inlet/outlet water thermometer	4	IPH	TH2511	
44	Cooler	2	BOLDROCCHI	RDT 52 / 250 644 KW	
43	Inlet/outlet oil thermometer	4	IPH	TH2511	
42	Leakage indicator	2	RIELER	SPOT	
41	Compact water flow indicator	2	IPH	DS2004	With 4 ÷ 20 mA - Electronic type with analog output
40	Compact oil flow indicator	2	IPH	DS2004	With 4 ÷ 20 mA - Electronic type with analog output
39	Compact water flow indicator	2	IPH	DS2002	With contact - Electronic type with digital output
38	Compact oil flow indicator	2	IPH	DS2002	With contact - Electronic type with digital output
37	Rating plate	1	TAMBITES	300 x 500	
36	Jacking pads	4	TAMBITES		
35	Winching holes	4	TAMBITES	ø 50	
34	Lifting hooks for TR	4	TAMBITES	ø 150	
33	Holes for untanking mans	4	TAMBITES	ø 90	
32	Manholes for CT	3	TAMBITES	200x200	
31	Control cubicle	1	TAMBITES	1400x800x400	
30	CT junction box	1	ETI	SMD-S	
29	Earthing terminal	2	TAMBITES	M 16	Stainless steel
28	Thermometer pockets + spare	2	TAMBITES	1" F	With plug M
27	Drain valve for O.L.T.C.	3	TAMBITES	1"	
26	Oil temperature dial thermometer	1	MESSKO	MT-ST-160SR/TT/4U/S/18	
25	Intercepting valve for protective relay	6	ETI	RUZ 501	DN25
24	O.L.T.C. Motor drive unit	1	MR	ED 100 L	
23	Protective relay for O.L.T.C.	3	MR	RS 2001	
22	Pressure relief device for O.L.T.C.	3	MESSKO	MPrvC	
21	Conservator drain valve for O.L.T.C. compartment	1	TAMBITES	¾" M	With plug F
20	O.L.T.C.	3	MR	VM1 080-72,5/C - IS 18 B	
19	Oil filling plug for O.L.T.C compartment	1	TAMBITES	2"	
18	Silicagel air breather for O.L.T.C. compartment	1	ETI	EIF 7TB	
17	Conservator drain valves for TR compartment	1	TAMBITES	¾" M	With plug F
16	Oil level gauge for O.L.T.C. compartment	1	ETI	IL.350-T2	
15	Oil filling plug for TR compartment	1	TAMBITES	2"	
14	Silicagel air breather for TR compartment	1	ETI	EIF 7A1	
13	Oil conservator	1	TAMBITES		With 2 comp.
12	Oil level gauge for TR compartment	1	ETI	IL.220-L1	
11	Intercepting valve for buchholz relay	2	ETI	RUZ 504	DN080
10	Drain valve for O.L.T.C. tank	1	TAMBITES	1"½ M	With plug F
9	Gas sampling device and oil drain cock	1	ETI	RASA-B	
8	Buchholz relay for TR	1	ETI	RS 100	
7	Pressure relief device	1	ETI	VS 150	
6	Oil sampling valve for TR tank	1	TAMBITES	¾" M	With plug F
5	Upper oil filter valve for TR tank	1	TAMBITES	1"½ M	With plug F
4	Drain valve for TR tank	1	TAMBITES	4"	
3	Lower oil filter valve for TR tank	1	TAMBITES	1"½ M	With plug F
2	LV output (3U / 3V / 3W)	18	TAMBITES	350x20	
1	HV bushing (1U / 1V / 1W)	3	BARBERI	36 kV / 2000 A	

Item	Description	N.	Maker	Type	Remarks

Rev.	Date/Data	Description/Descrizione	Drawn/Disegnato
0	23.10.18	Prima Emissione / First Issue	M.Tomasoni

DIMENSIONI D'INGOMBRO - OVERALL DIMENSIONS -

Rev./Revisione	Check./Controllo	Date/Approved	Date/Data	Sheet/Foglio	Size/Formato	Commercial Code/Codice Commerciale
0/Second	R.Ferrari	F. Martini	1:10	1 / 1	A0	0 1B1N0190

Drawing/Disegno 1B1N0190/1B1

TRASFORMATORI TES

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