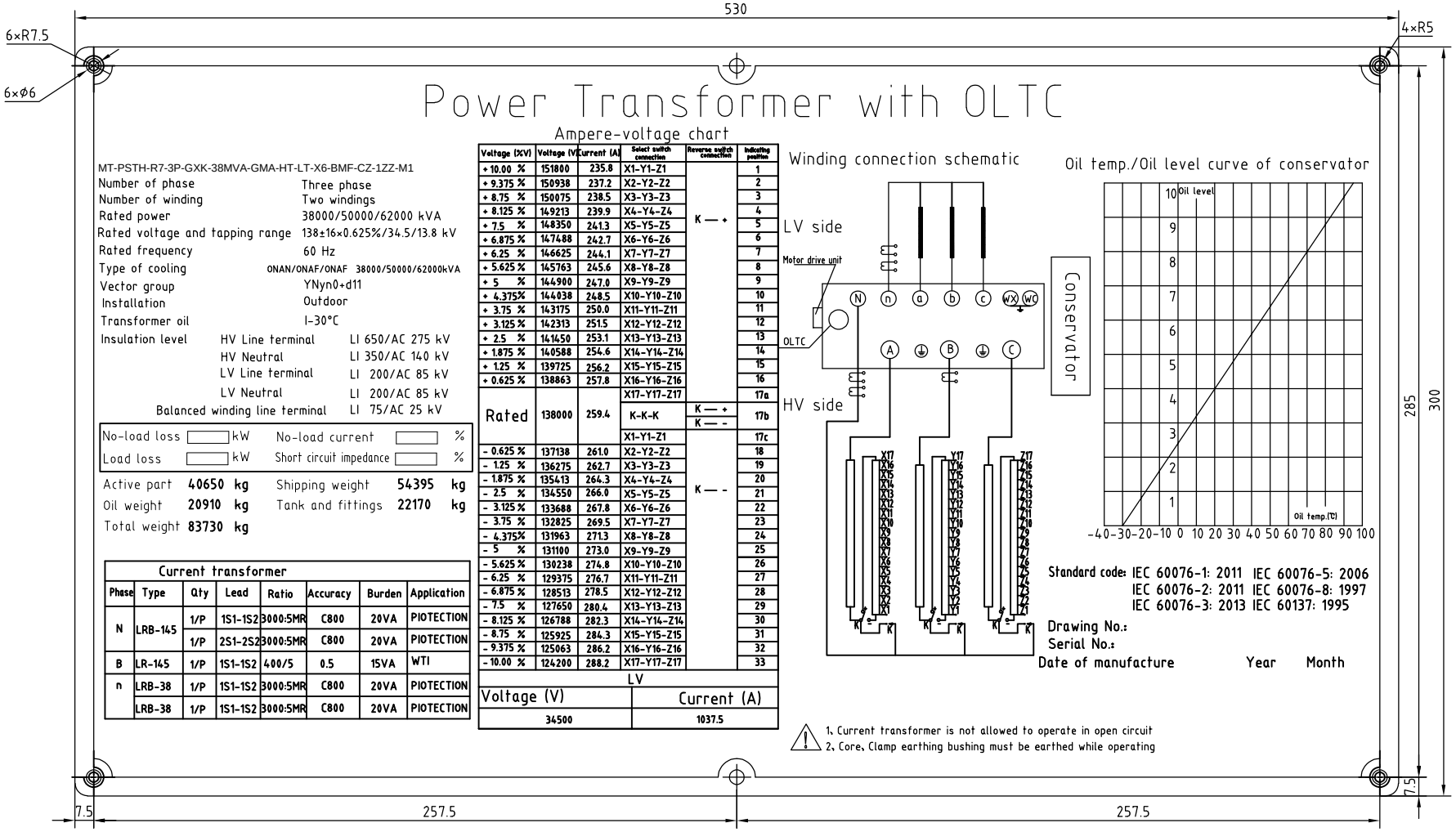
Power Transformer with OLTC



MT-PSTH-R7-3P-GXK-38MVA-GMA-HT-LT-X6-BMF-CZ-1ZZ-M1

Number of phase		Three phase
Number of winding		Two windings
Rated power		38000/50000/62000 kVA
Rated voltage and tapping range		138±16×0.625%/34.5/13.8 kV
Rated frequency		60 Hz
Type of cooling		ONAN/ONAF/ONAF 38000/50000/62000kVA
Vector group		YNyn0+d11
Installation		Outdoor
Transformer oil		I-30°C
Insulation level	HV Line terminal	LI 650/AC 275 kV
	HV Neutral	LI 350/AC 140 kV
	LV Line terminal	LI 200/AC 85 kV
	LV Neutral	LI 200/AC 85 kV
	Balanced winding line terminal	LI 75/AC 25 kV

No-load loss	kW	No-load current	%
Load loss	kW	Short circuit impedance	%

Active part	40650 kg	Shipping weight	54395 kg
Oil weight	20910 kg	Tank and fittings	22170 kg
Total weight	83730 kg		

Current transformer

Phase	Type	Qty	Lead	Ratio	Accuracy	Burden	Application
N	LRB-145	1/P	1S1-1S2	3000:5MR	C800	20VA	PIOTECTION
		1/P	2S1-2S2	3000:5MR	C800	20VA	PIOTECTION
B	LR-145	1/P	1S1-1S2	400/5	0.5	15VA	WTI
n	LRB-38	1/P	1S1-1S2	3000:5MR	C800	20VA	PIOTECTION
	LRB-38	1/P	1S1-1S2	3000:5MR	C800	20VA	PIOTECTION

Ampere-voltage chart

Voltage (%V)	Voltage (V)	Current (A)	Select switch connection	Reverse switch connection	Indicating position
+ 10.00 %	151800	235.8	X1-Y1-Z1		1
+ 9.375 %	150938	237.2	X2-Y2-Z2		2
+ 8.75 %	150075	238.5	X3-Y3-Z3		3
+ 8.125 %	149213	239.9	X4-Y4-Z4		4
+ 7.5 %	148350	241.3	X5-Y5-Z5	K — +	5
+ 6.875 %	147488	242.7	X6-Y6-Z6		6
+ 6.25 %	146625	244.1	X7-Y7-Z7		7
+ 5.625 %	145763	245.6	X8-Y8-Z8		8
+ 5 %	144900	247.0	X9-Y9-Z9		9
+ 4.375%	144038	248.5	X10-Y10-Z10		10
+ 3.75 %	143175	250.0	X11-Y11-Z11		11
+ 3.125 %	142313	251.5	X12-Y12-Z12		12
+ 2.5 %	141450	253.1	X13-Y13-Z13		13
+ 1.875 %	140588	254.6	X14-Y14-Z14		14
+ 1.25 %	139725	256.2	X15-Y15-Z15		15
+ 0.625 %	138863	257.8	X16-Y16-Z16		16
			X17-Y17-Z17		17a
Rated	138000	259.4	K-K-K	K — +	17b
				K — -	
			X1-Y1-Z1		17c
- 0.625 %	137138	261.0	X2-Y2-Z2		18
- 1.25 %	136275	262.7	X3-Y3-Z3		19
- 1.875 %	135413	264.3	X4-Y4-Z4		20
- 2.5 %	134550	266.0	X5-Y5-Z5	K — -	21
- 3.125 %	133688	267.8	X6-Y6-Z6		22
- 3.75 %	132825	269.5	X7-Y7-Z7		23
- 4.375%	131963	271.3	X8-Y8-Z8		24
- 5 %	131100	273.0	X9-Y9-Z9		25
- 5.625 %	130238	274.8	X10-Y10-Z10		26
- 6.25 %	129375	276.7	X11-Y11-Z11		27
- 6.875 %	128513	278.5	X12-Y12-Z12		28
- 7.5 %	127650	280.4	X13-Y13-Z13		29
- 8.125 %	126788	282.3	X14-Y14-Z14		30
- 8.75 %	125925	284.3	X15-Y15-Z15		31
- 9.375 %	125063	286.2	X16-Y16-Z16		32
- 10.00 %	124200	288.2	X17-Y17-Z17		33

LV

Voltage (V)	Current (A)
34500	1037.5

Winding connection schematic

Oil temp./Oil level curve of conservator

Standard code: IEC 60076-1: 2011 IEC 60076-5: 2006
IEC 60076-2: 2011 IEC 60076-8: 1997
IEC 60076-3: 2013 IEC 60137: 1995

Drawing No.:
Serial No.:
Date of manufacture Year Month

1. Current transformer is not allowed to operate in open circuit
2. Core, Clamp earthing bushing must be earthed while operating

Nameplate

LARSON ELECTRONICS