

Technical Specification - Item 1
Characteristic

Base design number		2072617
Eco Design product		Yes, Tier2
Product name		Liquid-Filled Groundmount Transformer; 3PH, 630 kVA, HV 10500 V, LV 420 V
Product type		Groundmounted
Country of origin		Poland, Hitachi Energy, 91-205 Łódź ul. Aleksandrowska 67/93
Rated power	[kVA]	630
Core material		GOES - Super High Grade
Insulation Liquid		Uninhibited mineral oil
Primary voltage	[V]	10500
Primary tapplings		Taps: +2/-2 x 2,5%
Secondary voltage at no load	[V]	420
Primary insulation level	[kV]	LI 75 / AC 28 / Um 12
Secondary insulation level	[kV]	LI - / AC 8 / Um 1.1
Frequency	[Hz]	50
Number of phases		3
Vector group		Dyn5
Ambient temperature	°C	40 / 30 / 20
max./monthly/annual average		
Max. average temperature rise (Oil/Winding)	[C/C]	60 / 65
Surface treatment		Acc to instruction 02-32-026 (cover: galvanized and powder painted, tank: powder painted), RAL 7033, C5High
Altitude (a.s.l.)	[m]	<1000
Location		Outdoor

Performance values

Standard		IEC 60076
Impedance	[%]	4 (tol. 10%)
No load losses	[W]	486 (tol. 0%) (max measured value [Tier2 limit=540, 10% lower]
Load losses at 75 °C	[W]	4388 (tol. 0%) (max measured value [Tier2 limit= 4600 5% lower]
Noise power level LWA	[dB(A)]	53 (tol. 0%)

Preliminary dimensions and weight

Max. requested dimensions	[mm]	No Special Requirements
Length	[mm]	1312
Width	[mm]	818
Height	[mm]	1491
Roller distance (c/c)	[mm]	670 x 670
Oil Weight	[kg]	365
Core Weight	[kg]	1042
Copper Weight	[kg]	0.00
Aluminum Weight	[kg]	356
Max. requested weight	[kg]	No Special Requirements

Hitachi Energy Poland Sp. z o.o.

Address:
04-713 Warsaw
1 Zegańska Str.

Telephone number
(switchboard):
+48 22 51 52 500

Fax number:
+48 22 51 52 566
+48 22 51 52 836

www.hitachienergy.com

Total weight [kg] | 2193

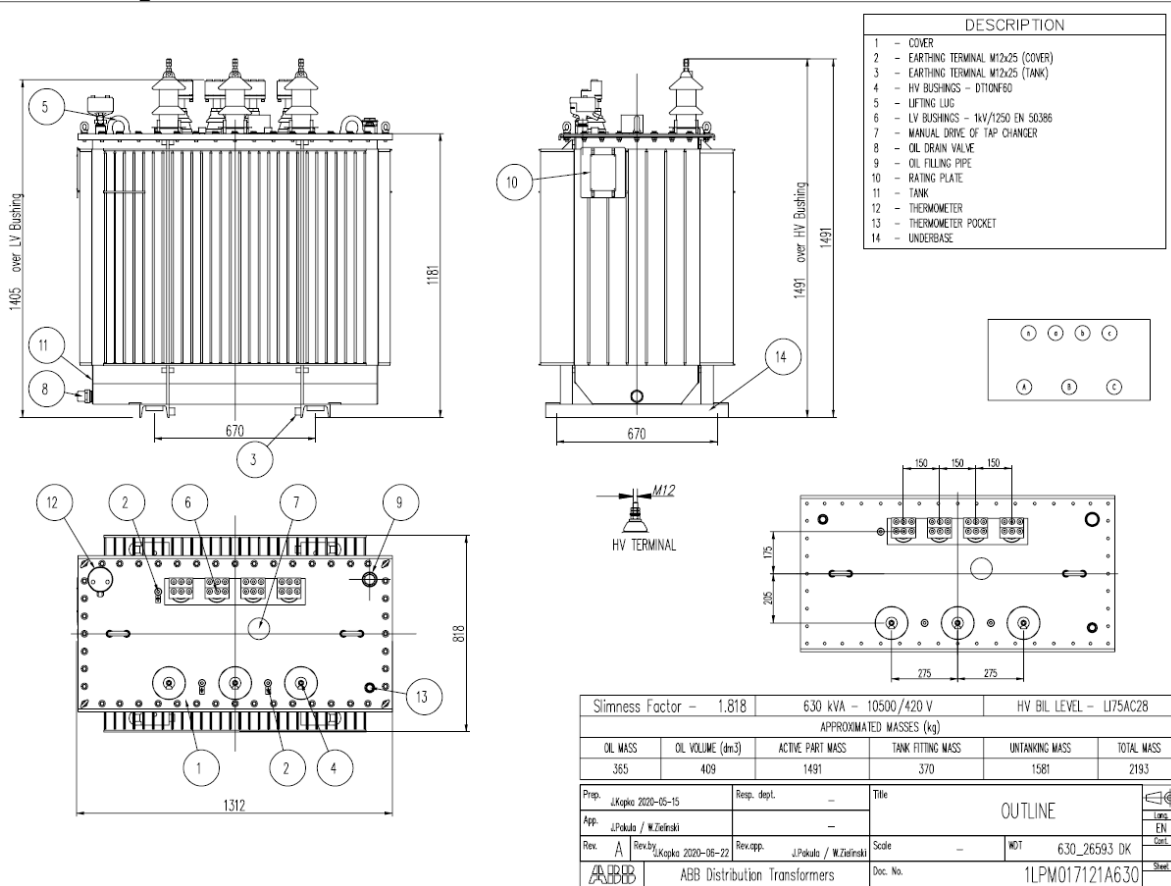
Type of design IP00

Tank construction	Hermetically sealed tank
Cooling	ONAN
Primary winding conductor material	Al
Secondary winding conductor material	Al

Standard Features/Accessories

- Off circuit tap changer on primary winding
- HV Porcelain bushings
- LV porcelain bushings
- Terminal Pfisterer 331 749 010 (M30; number of conduct:6, cross-section:35-240mm²)
- Thermometer with 2 contacts
- 2xThermometer pocket

Outline drawing:



Measured losses:

serial number:	measured NLL	measured LL
1LPL22000151916	485	4387
1LPL22000151918	478	4388
1LPL22000151920	485	4372
1LPL22000151921	486	4325
1LPL22000151922	485	4358