



a subsidiary of

DANA PENSIUN PT PLN (Persero)



www.maximatransformer.com

TECHNICAL PARTICULAR GUARANTEE

A. GENERAL CHARACTERISTICS

- | | | |
|------------------------|------|--|
| 1. Standard | : | IEC 76 |
| 2. Transformer Type | : | Hermetically Sealed Totally Oil Filled |
| 3. Service Condition | : | Outdoor |
| 4. Insulation Oil Type | : | Mineral Oil |
| 5. Cooling | : | ONAN |
| 6. Bushing Type | - HV | : Porcelain |
| | - LV | : Porcelain |
| 7. Bushing Position | : | Top Side |

B. TECHNICAL SPECIFICATIONS

- | | | | |
|--------------------------------------|-----------|----------------|-------|
| 1. Phase | : | 3 | Phase |
| 2. Rated Capacity | : | 630 | kVA |
| 3. High Voltage | : | 20 | kV |
| 4. Low Voltage | : | 0,4 | kV |
| 5. Vector Group | : | YNd-5 | |
| 6. Frequency | : | 50 | Hz |
| 7. Temperature Rise | - Oil | : 60 | deg C |
| | - Winding | : 65 | deg C |
| 8. No Load Losses | : | 1200 | Watts |
| 9. Full Load Losses at 75 deg C | : | 8500 | Watts |
| 10. Total Losses | : | 9700 | Watts |
| 11. Short Circuit Impedance | : | 4 | % |
| 12. No Load Current at Rated Voltage | : | 1,8 | % |
| 13. Insulation Temperature Class | : | A | |
| 14. Noise Level | : | 56 | dB |
| 15. HV Tapping Value | : | +/-2.5%; +/-5% | |

C. INSULATION CLASS

- | | | | | |
|----------------------------------|---|---------|-----------|----|
| | | Primary | Secondary | |
| 1. Highest Voltage for Equipment | : | 24 | 1,1 | kV |
| 2. Lightning Impulse (BIL) | : | 125 | - | kV |
| 3. Applied Voltage | : | 50 | 3 | kV |

D. EFFICIENCY AND VOLTAGE REGULATION

	Efficiency (%)				Voltage Regulation	
	100% Load	75% Load	50% Load	25% Load	Volt	%
PF 0.8	98,11	98,44	98,70	98,64	386	3,36
PF 1.0	98,48	98,75	98,96	98,91	394	1,43

E. WEIGHTS AND DIMENSIONS

- | | | |
|------------------|---|---------------------|
| 1. Total Length | : | 1610 mm |
| 2. Total Width | : | 1060 mm |
| 3. Total Height | : | 1515 mm |
| 4. Volume of Oil | : | 469 Liter |
| 5. Total Weight | : | 1834 kG |
| 6. Finishing | : | Light Grey RAL 7044 |

The above weights and dimensions are approximate only and provided to give a general description of our proposed transformer.

13/07-20

Document No.	TS.00630-11.23	Client/Project PRIVATE	Page	1 of 1
Date	10-Jul-20		Dsg By	
Revision	0		Chk/App By	