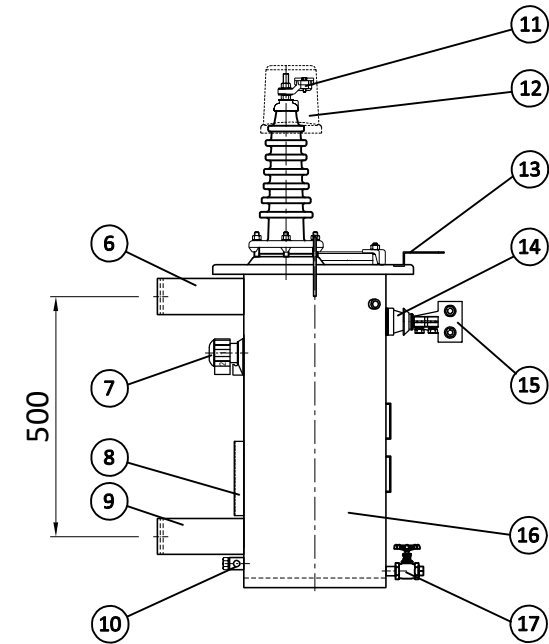
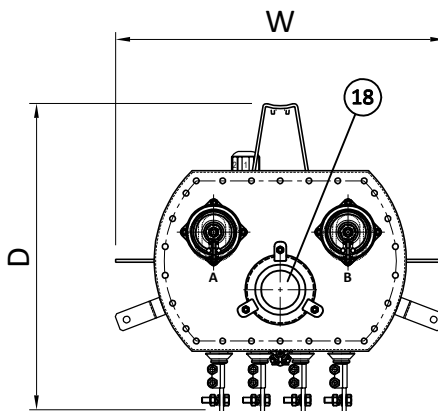
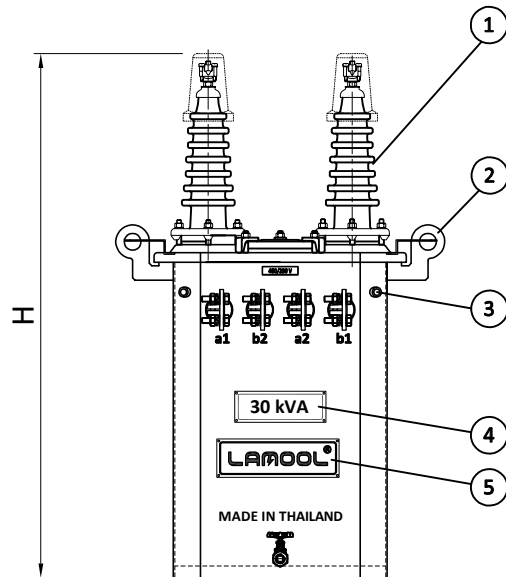


| Technical Data of Oil-immersed Transformer Hermetically Sealed Type | |
|--|---------------------------|
| Model (ordering code) | : OTC015-22K-0030K-B |
| Reference standard | : IEC 60076, TIS 384-2543 |
| Ratings | |
| Rated power | : 30 (kVA) |
| Number of phases | : 1 (Ø) |
| Rated frequency | : 50 (Hz) |
| Rated primary voltage ($\pm 2 \times 2.5\%$) | : 22000 (V) |
| Rated secondary voltage | : 460/230 (V) |
| Rated primary current | : 1.36 (A) |
| Rated secondary current | : 65.2/130.4 (A) |
| Insulation class | : A (105) ($^{\circ}$ C) |
| Connection symbol | : Subtractive |
| Service condition and installation | |
| Ambient temperature | : 40 ($^{\circ}$ C) |
| Altitude (above sea level) | : ≤ 1000 (m) |
| Type of cooling | : ONAN |
| Suitable installation | : Outdoor |
| Technical particulars (75$^{\circ}$C) | |
| No load loss | : 120 (W) |
| Load loss | : 430 (W) |
| Short-circuit impedance | : 2.0 (%) |
| Efficiency at 50% of rated power and P.F.= 1.0 | : 98.51 (%) |
| Efficiency at 100% of rated power and P.F.= 1.0 | : 98.20 (%) |
| Voltage regulation at full load and P.F.= 1.0 | : 1.35 (%) |
| Sound level | : 48 (dB(A)) |
| Max. Temperature rise of top oil, at full load | : 55 (K) |
| Max. Temperature rise of winding, at full load | : 65 (K) |
| Routine test | |
| Measurement of winding resistance | |
| Measurement of insulation resistance | |
| Measurement of voltage ratio and check of phase displacement | |
| Measurement of no-load loss and no-load current | |
| Measurement of load loss | |
| Measurement of short-circuit impedance | |
| Induced overvoltage withstand test | |
| Separate-source voltage-withstand test (Hi-pot test) | |
| Oil dielectric strength test | |
| Physical leakage test | |
| Type test (optional) | |



GreenTech Series

| No. | Description | No. | Description |
|-----|--------------------------------------|-----|----------------------------|
| 1 | High voltage bushing | 10 | Earthing terminal |
| 2 | Lifting lugs | 11 | High voltage terminal |
| 3 | Earthing terminal for surge arrester | 12 | Bird guard cap |
| 4 | Capacity plate | 13 | Bracket for surge arrester |
| 5 | Trade mark plate | 14 | Low voltage bushing |
| 6 | Upper support lug | 15 | Low voltage terminal |
| 7 | Off-load tap changer | 16 | Transformer tank |
| 8 | Name plate | 17 | Oil drain valve |
| 9 | Lower support lug | 18 | Hand hole |

Approximate overall dimension, oil quantity and weight

| W (mm) | D (mm) | H (mm) | Oil quantity (Litre) | Total weight (kg) |
|--------|--------|--------|----------------------|-------------------|
| 690 | 650 | 1090 | 50 | 240 |



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