

変圧器試験成績表

TEST REPORT OF TRANSFORMER

| | | | | | | |
|---|---|---|---------------------------------------|--|--|---------------------|
| 御注文先 Messers. | | | | | | 殿 |
| 試験年月日 Date | 2026/03/11 | | 温度, 湿度 Amb. Temp, Humidity | 15 °C , 35 % | | |
| 仕様 Specifications | | | | | | |
| 製造番号 Serial No. | 25Z249 | 型式 Type | HTM-YH300WFR-TP3 | 容量 Capacity | 300 kVA | |
| 定格 Rating | CONT. | 相数 Phase | 3 ϕ | 接続記号 Connection mark | Dyn11 | |
| 周波数 Frequency | 50/60 Hz | 耐熱クラス Ins.class | F | 質量 Mass | 1410 kg | |
| 1次電圧 Pri voltage | F6750-R6600-F6450-F6300-6150 | | | 1次電流 Pri. current | 26.2 A | |
| 2次電圧 Sec voltage | R420Y/242-F210Y/121 | | | 2次電流 Sec. current | 412 A | |
| 特性試験 Routine test | 巻線抵抗測定 Resistance measurement at 15 °C | | | | | |
| | 1次側 Primary side [Ω] 6600 V | | | 2次側 Secondary side [Ω] 420 V | | |
| | U-V | V-W | U-W | u1-v1 | v1-w1 | u1-w1 |
| | 1.24280 | 1.24190 | 1.24070 | 0.00242 | 0.00242 | 0.00243 |
| | 無負荷試験 No-load test | | | | | |
| | 試験周波数[Hz] Test frequency | 試験端子[V] Test Terminal | 無負荷電流 No-load current | | 無負荷損[W] No-load loss | |
| | | | [A] | [%] | | |
| | 50 | 420 | 1.08 | 0.26 | 414 | |
| | 60 | 420 | 0.78 | 0.19 | 366 | |
| | 短絡インピーダンス試験 Short circuit impedance test at 115 °C | | | | | |
| | 試験周波数[Hz] Test frequency | 試験端子[V] Test Terminal | 試験電流[A] Test current | 短絡インピーダンス Impedance voltage | | 負荷損[W] Load loss |
| | | | | [V] | [%] | |
| | 50 | 6600 | 26.2 | 265.94 | 4.03 | 2825 |
| | 60 | 6600 | 26.2 | 316.24 | 4.79 | 2861 |
| 試験周波数[Hz] Test frequency | 電圧変動率[%] Voltage regulation | (力率= 1, 100%負荷, at 115 °C) (PF= 1, 100%-load, at 115 °C) | | 効率[%] (100%負荷, at 115 °C) Efficiency (100%-load, at 115 °C) | | |
| 50 | | 1.02 | | 98.93 | | |
| 60 | | 1.06 | | 98.94 | | |
| 絶縁抵抗測定 Insulation resistance (1000V megger) | 1次コイル-大地間 Bet. Pri. coil and Earth | | 2次コイル-大地間 Bet. Sec. coil and Earth | | 1次-2次コイル間 Bet. Pri coil and Sec. coil | |
| | 2000 MΩ | | 2000 MΩ | | 2000 MΩ | |
| 加圧試験 Dielectric strength test | 試験端子[V] Test Terminal | 交流試験電圧[kV] A. C. Test voltage | | 試験時間[min] Test time | 充電電流[mA] Leak current | |
| | 1次-2次, 大地間 Bet. Pri. and Sec., Earth | | 22 | | 1 | 13 |
| | 2次-1次, 大地間 Bet. Sec. and Pri., Earth | | 4 | | 1 | 33 |
| 誘導試験 Induced Voltage test | 試験端子[V] Test Terminal | 試験周波数[Hz] Test frequency | | 試験電圧[V] Test voltage | 試験時間[sec] Test time | |
| | 420 | 420 | | 840 | 18 | |
| 変圧比試験 Ratio test | 基準タップ ----- 6600.0 / 420.4Y/242.7 Rating tap | | | | V | |
| 極性試験 Polarity test | ----- | | | | | |
| 位相変位試験 Angle of phase shift test | Dyn11 | | | | | |
| 構造外観検査 Structure appearance check | 良 好 Good | | | | | |
| 適用規格 Standard | JEM1521 (2024) | | | | | |
| 備考 Remarks | ダイヤル温度計85°Cセット エネルギー消費効率866/824W (956/932W以下) Dial thermometer 85°CSet | | | | | |
| 合格・出荷許可 Pass Forwarding permission | <i>M. Yamamura</i> | | 担当 In Charge | | <i>M. Tomiyaga</i> | |