

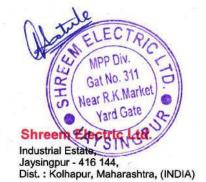
TEST REPORT

REPORT NO. IN 42804 VOC STANDARD NO: EN 60831-1 14/08/2021 -20/08/2021P/I NO. : IR-20210523-2

TEST DATE: dtd:23.05.2021

PRODUCT: 30 KVAR, 440V, 3PH, 50Hz, HEAVY DUTY FTCAP MPP TYPE CAPACITOR UNITS.

| Sr. No. | REQUIREMENT /TEST | SPECIFICATIONS | RESULT | REMARK |
|------------|---|---|--|--------|
| 1. | KVAR Rating | 30 K V A R | 30 K V A R | PASS |
| 2. | Voltage Rating | 440 V | 440 V | PASS |
| 3. | Basic Mfd Value (in Mfd) | 246.75 µfd | 246.75 µfd | PASS |
| 4. | Sr. No. of the Capacitor | A884944 | A884944 | PASS |
| 5. | Capacitor Type | Heavy Duty cap | Heavy Duty cap | PASS |
| 6. | Frequency | 50 Hz or 60Hz | 50 HZ | PASS |
| 7.1 | Capacitance Measurement and Output Calculation before ${\rm HV}$ | -5% to +15% for units and banks upto 100 K∨AR | 248.5 µfd | PASS |
| 7.2 | Capacitance Measurement and Output Calculation after H∨ | 0% to 10% for units and banks above 100 KVAR | 248.5 µfd | PASS |
| 8 | Measurement of the tangent of the loss angle (tan δ) of the capacitor | S hall not exceed value declared by manufacture | 0.48 Watt/kVAr | PASS |
| 9 | Voltage tests between Terminals (High Voltage test) | 2.15 x R ated Voltage for 2 sec | Withstood | PASS |
| 10 | Voltage tests between terminals and container | 3 K∨AC for 10 Sec | Withstood | PASS |
| 11 | Test of internal discharge device | In 3 min reduce to 75 \lor or less | 33 S ec | PASS |
| 12 | Sealing Test (Leakage Test) | 75°C for 2 Hrs | No leakage | PASS |
| 13 | Guide for Installation and Operation ofL.T. Power Capacitors: GeneralChoice of rated Voltage Operating temperature Installation High Ambient air temperature Evaluation of losses Special Service conditions Over voltages Overload currents Switching and protective devices and connections Capacitors connected to system with Audio frequency remote controlEMC Immunity | | The installation manual attached | Pass |



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| MANUFACTURER | M/s.ShreemElectic Ltd. |
|--|------------------------|
| IDENTIFICATION NUMBER AND MANUFACTURING YEAR | A884944 08-2021 |
| RATED OUTPUT Q _N IN KVAR | 30Kvar |
| RATED VOLTAGE U _N IN VOLTS | 440 volt |
| RATED FREQUENCY f _N IN Hz | 50 HZ |
| TEMPERATURE CATEGORY | -40/D |
| DISCHARGE DEVICE | Ext.Fitted |
| REFERENCE OF SELF HEALING DESIGN | MPP (SH) |
| CONNECTION SYMBOL | Delta (\triangle) |
| INTERNAL FUSES | No |
| INDICATION OF OVERPRESSURE OR THERMAL DISCONNECTOR | Provided Internally |
| INSULATION LEVEL Ui IN kV | 3 Kv |
| REFERENCE TO IEC 60831 | IEC 60831-1 |

RATING PLATE DETAILS



CONCLUSION: Place and date of inspection at Shreem Electric limited located in K olhapur,India on 14/08/2021 and the sample test performed by manufacturer from 14/08/2021 to 20/08/2021 Sample test witnessed by our SAI inspector in laboratory of the manufacturer and concluded that the goods are in conformity with standard No.: EN 60831-1 Furthermore, we confirm that the test report is acceptable and the manufacturer's laboratory found to be as qualified. Manufacturer's Representative

S.A.I. Representative



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