

TEST REPORT

REPORT NO. IN 42804 VOC

STANDARD NO: EN 60831-1

TEST DATE:

14/08/2021 -20/08/2021P/I NO. : IR-20210523-2 dtd:23.05.2021

PRODUCT: 15 KVAR, 440V, 3PH, 50Hz, NORMAL DUTY MPP TYPE CAPCITOR UNITS.

Sr. No.	REQUIREMENT /TEST	SPECIFICATIONS	RESULT	REMARK
1.	KVAR Rating	15 KVAR	15 KVAR	PASS
2.	Voltage Rating	440 V	440 V	PASS
3.	Basic Mfd Value In Mfd	123.37µfd	123.37µfd	PASS
4.	Sr. No. of the Capacitor	A881600	A881600	PASS
5.	Capacitor Type	NORMAL DUTY	NORMAL DUTY	PASS
6.	Frequency	50 Hz or 60Hz	50Hz	
7.1.	Capacitance Measurement and Output Calculation before HV	-5% to +15% for units and ranges upto 100 KVAR	125.1 µfd	PASS
7.2.	Capacitance Measurement and Output Calculation after HV	0% to 10% for units and ranges above 100 KVAR	125.1 µfd	PASS
8.	Measurement of the tangent of the loss angle (tan δ) of the capacitor	Shall not exceed value declared by manufacture	0.47Watt/KV Ar	PASS
9.	Voltage tests between Terminals High Voltage test	2.15 V Rated Voltage for 2 sec	Withstood	PASS
10.	Voltage tests between terminals and container	3 KV AC for 10 Sec	Withstood	PASS
11.	Test of internal discharge device	In 3 min reduces to 75 % or less	2 Sec	PASS
12.	Sealing Test Leakage Test	75°C for 2 Hrs	No Leakage	PASS
13.	<p>Guide for Installation and Operation of L.T. Power Capacitors: The installation manual attached herewith</p> <p>General Choice 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 control</p> <p>EMC</p> <p>Immunity</p>		The Installation manual attached	PASS



Shreem Electric Ltd.
Industrial Estate,
Jaysingpur - 416 144,
Dist. : Kolhapur, Maharashtra, (INDIA)



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TEST REPORT

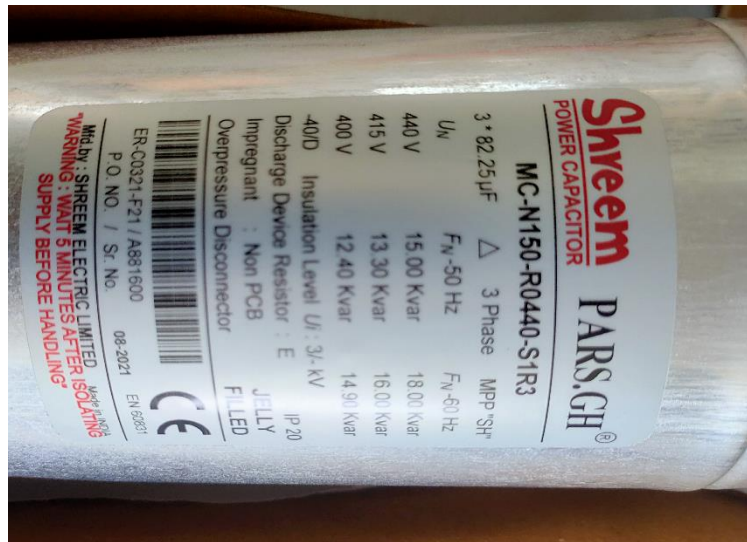
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RATING PLATE DETAILS

MANUFACTURER	M/s. SHREEM ELECTRIC LTD
IDENTIFICATION NUMBER AND MANUFACTURING YEAR	A881600 08-2021
RATED OUTPUT Q_N IN KVAR	15Kvar
RATED VOLTAGE U_N IN VOLTS	440/3PHASE
RATED FREQUENCY f_N IN Hz	50
TEMPERATURE CATEGORY	-40/D
DISCHARGE DEVICE	Ext. Fitted
REFERENCE OF SELF HEALING DESIGN	MPP (SH)
CONNECTION SYMBOL	Delta (Δ)
INTERNAL FUSES	No
INDICATION OF OVERPRESSURE OR THERMAL DISCONNECTOR	Provided
INSULATION LEVEL U_i IN kV	3Kv
REFERENCE TO IEC 60831	IEC 60831-1



CONCLUSION: Place and date of inspection at Shreem Electric limited located in Kolhapur 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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