

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: 12.5 KVAR, 440V, 3PH, 50HZ, GAS FILLED MPP TYPE CAPACITOR UNITS.

Sr. No.	REQUIREMENT /TEST	SPECIFICATIONS	RESULT	REMARK
1.	KVAR Rating	12.5 KVAR	12.5 KVAR	PASS
2.	Voltage Rating	440 V	440 V	PASS
3.	Basic Mfd Value in Mfd	102.81µfd	102.81 µfd	PASS
4.	Sr. No. of the Capacitor	A88200	A88200	PASS
5.	Capacitor Type	GAS FILLED	GAS FILLED	PASS
6.	Frequency	50 HZ or 60HZ	50 HZ	PASS
7.1	Capacitance Measurement and Output Calculation before HV	-5% to +15% for units and ranges upto 100 KVAR	103.2µfd	PASS
7.2	Capacitance Measurement and Output Calculation after HV	0% to 10% for units and ranges above 100 KVAR	103.2 µfd	PASS
8	Measurement of the tangent of the loss angle (tan δ) of the capacitor	Shall not exceed value declared by manufacture	0.45Watt/Kvar	PASS
9	Voltage tests between Terminals High Voltage test	2.15 x 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	28 sec	PASS
12	Sealing Test Leakage Test	75°C for 2 Hrs	Not applicable	-
13	<p>Guide for Installation and Operation of L.T. Power Capacitors</p> <p>General</p> <p>Choice of rated Voltage</p> <p>Operating temperature</p> <p>Installation</p> <p>High Ambient air temperature</p> <p>Evaluation of losses</p> <p>Special Service conditions</p> <p>Over voltages</p> <p>Overload currents</p> <p>Switching and protective devices and connections</p> <p>Capacitors connected to system with</p> <p>Audio frequency remote control</p> <p>EMC</p> <p>Immunity</p>		The installation manual attached	Pass



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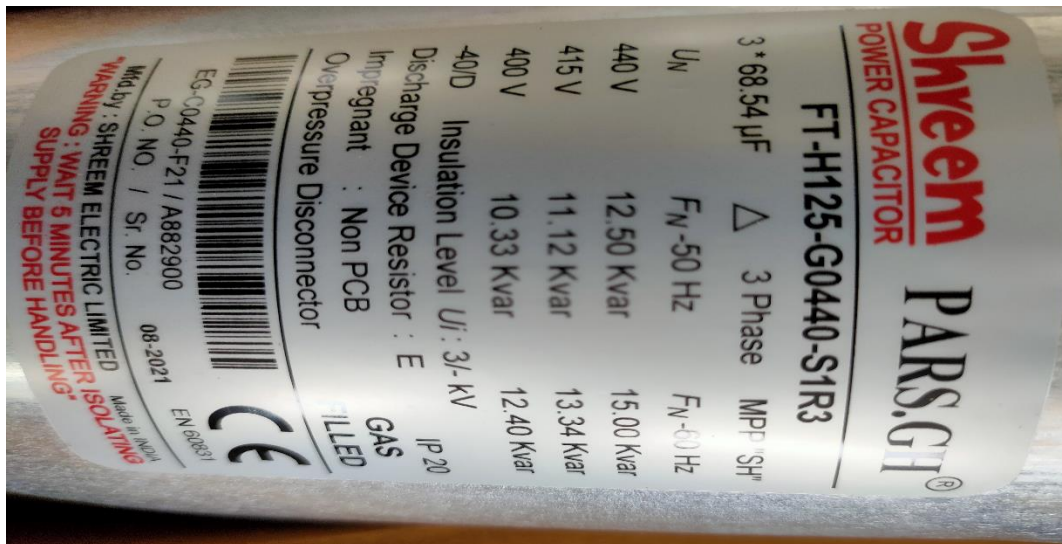
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RATING PLATE DETAILS

MANUFACTURER	M/s.Shreem Electric Ltd
IDENTIFICATION NUMBER AND MANUFACTURING YEAR	A88200 08-2021
RATED OUTPUT Q_N IN KVAR	12.5 Kvar
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 (Δ)
INTERNAL FUSES	No
INDICATION OF OVERPRESSURE OR THERMAL DISCONNECTOR	Provided Internally
INSULATION LEVEL U_i IN kV	3 Kv
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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