

REPORT NO. IN 42804 VOC  
STANDARD NO: EN 60831-1

TEST DATE:

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

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

Sr. No.	REQUIREMENT /TEST	SPECIFICATIONS	RESULT	REMARK
1.	KVAR Rating	50 KVAR	50 KVAR	PASS
2.	Voltage Rating	440 V	440 V	PASS
3.	Basic Mfd value in Mfd	411 µfd	411µfd	PASS
4.	Sr. No. of the Capacitor	A88524	A88524	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 H <sub>2</sub>	-5% to +15% for units and ranges upto 100 KVAR	413 µfd	PASS
7.2	Capacitance Measurement and Output Calculation after H <sub>2</sub>	0% to 10% for units and ranges above 100 KVAR	413 µfd	PASS
8	Measurement of the tangent of the loss angle (tan δ) of the capacitor	Shall not exceed value declared by manufacture	0.48 Watt/Ar	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 reduce to 75 % or less	32 Sec	PASS
12	Sealing Test Leakage Test	75°C for 2 Hrs	No leakage	PASS
13	<p><b>Guide for Installation and Operation of L.T. Power Capacitors:</b></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 Audio frequency remote control</p> <p><b>EMC</b></p> <p>Immunity</p>		The installation manual attached	Pass

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### RATING PLATE DETAILS

MANUFACTURER	PARS CAPACITOR-GH
IDENTIFICATION NUMBER AND MANUFACTURING YEAR	A885249 08-2021
RATED OUTPUT $Q_N$ IN KVAR	50Kvar
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 ( $\Delta$ )
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

