

REPORT NO. IN 44017 VOC

STANDARD NO: IEC 60831-1 TEST DATE: 05/07/2022 to 14/07/2022

P/I NO. : IR-20220418-3 DTD:20.04.2022

BUYER: PARS KHAZEN GHARB

QTY. ORDERED:100 Nos.

QTY. OFFERED: 100 Nos.

PRODUCT: 50 KVAR, 400V, 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	400 V	400 V	PASS
3	Basic Mfd Value (in Mfd)	497.6 $\mu$ fd	497.6 $\mu$ fd	PASS
4	Sr No. of the Capacitor	<b>A953607</b>	<b>A953607</b>	PASS
5	Capacitor Type	Heavy Duty cap	Heavy Duty cap	PASS
6	Frequency	50 Hz or 60Hz	50Hz	PASS
7.1	Capacitance Measurement and Output Calculation before HV	-5% to +15% for units and banks upto 100 KVAR	503 $\mu$ fd	PASS
7.2	Capacitance Measurement and Output Calculation after HV	0% to 10% for units and banks above 100 KVAR	503 $\mu$ fd	PASS
8	Measurement of the tangent of the loss angle ( $\tan \delta$ ) of the capacitor	Shall not exceed value declared by manufacture	0.49 Watt/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 reduce to 75 V or less	32 Sec.	PASS
12	Sealing Test (Leakage Test)	75°C for 2 Hrs	No leakage	PASS
13	<p><u>Guide for Installation and Operation of L.T. Power Capacitors;</u>  <b>General</b>                      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>		The installation manual attached	Pass

Immunity



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### RATING PLATE DETAILS

MANUFACTURER	PARS CAPACITDR-GH
IDENTIFICATION NUMBER AND MANUFACTURING YEAR	A953607 07-2022
RATED OUTPUT $Q_n$ IN KVAR	50 kVAR
RATED VOLTAGE $U_n$ IN VOLTS	400 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

