

YASH CAPACITORS PVT. LTD.

SUNNY CAPACITORS



Company Profile: (Sunny Capacitors)

YASH CAPACITORS PVT. LTD. is a pioneer in the manufacturing and supply of all types of LT Capacitors, boasting over four decades of experience in the industry.

Founded in 1983 by the late Mr. Shirish Anand Jalgaonkar, with his rich experience in the Electrical Engineering field, Yash Capacitors Private Limited was established to provide quality capacitors under the brand name **SUNNY**.

Today, SUNNY capacitors hold the highest market share in India for Power Factor Correction Capacitors, Fan & Motor capacitors, Harmonic Filter Reactors, Line Reactors, and Chokes. We are also a leading supplier to most prominent manufacturers across the country. A significant volume of our PFC capacitors and Reactors are exported to various international markets, including South Asian Countries, the Middle East, Turkey, and Vietnam.

We proudly export to over 10 countries worldwide, specializing in manufacturing high-quality products with minimal delivery times. We are currently an INR 350+ Million company, having achieved a remarkable sales growth rate of around 300% in the last four years.

Our extensive in-house manufacturing and testing facilities ensure confidence in our product performance. Operationally, we are spread across two manufacturing units, covering more than 6500 sq. m. and 2500 sq. m. respectively, each dedicated to manufacturing, assembly, and testing. Our experienced and technically sound team of over 200 members helps us deliver highly reliable products.

We serve as an import substitute channel for Indian Railways for Capacitors and Transformers, holding all necessary performance and approval certificates. Furthermore, we are a trusted vendor for numerous OEMs, including Havells, Crompton Greaves, CG Power, Franke Faber India, Schneider Electric Ltd. (now Lauritz Knudsen), Harmonizer, and KSB Pumps, as well as many other Indian Railways contractors.

We pride ourselves on our expertise in **product customization**, designing solutions precisely as per customer requirements.

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Yash Capacitors Pvt. Ltd.

Our Leadership:

At **Yash Capacitors Pvt Ltd.**, our vision is steered by a team of experienced and dedicated leaders committed to innovation, excellence, and sustainable growth. Their collective expertise and forward-thinking approach are the driving force behind our success and our commitment to delivering exceptional value to our customers.

Management Director

Mr. Rohit Ravindra Sule.

As the **Management Director** of **Yash Capacitors Pvt Ltd**, Mr. Rohit R. Sule plays a pivotal role in overseeing our day-to-day operations and strategic implementation. With 25 years of extensive experience in Electrical, Electronics and Instrumentation Engineering brings a robust understanding of Design, Power Quality Solutions, Marketing, Sales and Business Development etc.

Mr. Rohit R. Sule 's leadership is characterized by a strong focus on team empowerment, a commitment to quality, a drive for continuous improvement. He is instrumental in streamlining our production processes, fostering a culture of innovation, ensuring stringent quality control measures. Under his guidance we consistently achieve our operational goals/we uphold our commitment to customer satisfaction.

Chief Executive Officer (CEO)

Mrs. Renuka Rohit Sule.

As the **Chief Executive Officer (CEO)** of **Yash Capacitors Pvt Ltd** Mrs. Renuka R. Sule is responsible for setting the company's overall strategic direction and long-term vision. With a distinguished career spanning over 20 years in Electrical Engineering field, She possesses a profound insight into Global market trends, technological advancements, strategic partnerships.

Mrs. Renuka R. Sule 's visionary leadership has been critical expanding our market reach/driving our exponential growth/pioneering new product lines]. She is dedicated fostering innovation, ensuring sustainable practices, building strong client relationships] and inspiring our team to achieve new heights. Under her strategic guidance, Yash Capacitors Pvt Ltd continues to strengthen its position as a leader in Capacitor manufacturing and explore new frontiers for growth and development.

Quality:

'Sunny' is well known brand of capacitor in India for its performance, reliability and durability. The quality of our product has been a key driver of our growth and prominence in capacitor industry.

The founders and key personnel have over 40 years of consolidated international experience in design, development and manufacturing of Power Factor Capacitors, Harmonic Filters reactors, Power Factor Correction Equipment, Measuring devices and Energy Management Systems.

Our innovative products are designed and built on sound engineering principles with total quality and customer satisfaction as a guiding rule.

We are committed to delivering a positive value to each and every client, backed by our dedication to the highest standards of client satisfaction, reliability and integrity.

All our products are manufactured to the highest prevailing international standards & the manufacturing locations are certified according to ISO 9001-2015, ISO 14001:2015, ISO: 45001:2018, BIS, CE, ISI etc.



OUR PRODUCTS

A

**Power Factor
Correction Capacitors
(Cylindrical Type)**

B

FAN CAPACITORS

C

**MOTOR RUN
CAPACITORS**

D

**MOTOR START
CAPACITORS**

E

**AIR CONDITIONING
CAPACITORS**

F

**HARMONIC FILTER
DETUNED REACTORS**

A POWER FACTOR CORRECTION CAPACITORS (CYLINDRICAL TYPE):

We are dedicated to providing reliable and innovative products and solutions in the fields of Reactive Power Compensation and Power Quality Energy Management to customers worldwide. Our founders and key personnel bring over 40 years of consolidated international experience in the design, development, and manufacturing of Power Factor Capacitors, Harmonic Filter Reactors, Power Factor Correction Equipment, Measuring Devices, and Energy Management Systems.

High-Performance Capacitors: The Hyper Heavy-Duty Capacitor (SHDC) Series

The **Hyper Heavy-Duty Capacitor (SHDC) type Power Factor Capacitor** represents a highly reliable and optimized solution for Power Factor Correction. These high-performance capacitors are available with outputs ranging from **0.25 KVAR to 50 KVAR**.

The SHDC series features a 3-Phase integrated capacitor design, specifically engineered for Power Factor Correction in demanding Commercial and Industrial applications. These capacitors incorporate a unique **Metalized Polypropylene film** as the dielectric, ensuring an exceptionally long working life with minimal losses.

Advanced Construction & Process

SHDC series capacitors are **Self-Healing**, meaning they can restore themselves in the event of a dielectric fault, which can occur during high overloads or voltage transients. The electrode layer, a special metal alloy, is vacuum-deposited onto the polypropylene film dielectric. Each 3-Phase capacitor is internally composed of three single-phase capacitor windings, assembled in an optimized geometric design. The special metal alloy electrode layer is connected in parallel using a specialized **Metal Spraying technology**.

This unique process, combined with the electrode's design, enables the capacitor to withstand high peak current levels. Capacitor elements undergo a meticulous **high-vacuum process** to eliminate all moisture and impart the correct level of thermal stability. This critical step prevents oxidation and partial discharges during the capacitor's operational life, ensuring superior capacitance stability. The capacitor elements are encapsulated in a specialized synthetic material, providing enhanced dimensional stability and efficient thermal conduction of heat from within the capacitor.

The entire capacitor assembly is robustly housed in an **extruded cylindrical aluminum case** and sealed using a specialized **double-seaming technology**. Our capacitors are manufactured with a **burst-proof mechanism** that protects other panel components from damage in the unlikely event of capacitor failure, ensuring it punctures safely on the spot.

Triple Safety System

The SHDC Capacitor technology is equipped with a comprehensive **triple safety system**:

- **Self-Healing:** As mentioned, this process allows the capacitor to automatically restore itself after a dielectric breakdown.
- **Pressure Sensitive Disconnecter:** Integrated into each phase, this mechanism ensures safe disconnection and electrical isolation at the end of the capacitor's operational life.
- **Finger-Proof Assembly of Cover:** Designed for enhanced safety during handling and installation.

Superior Termination Design

The SHDC Capacitor incorporates a highly reliable **two-way termination design**, utilizing robust copper and brass terminal clamps. Additionally, large-sized clamping screws are employed to ensure proper torque application on the connecting cable. This superior terminal design offers significantly longer and more reliable performance compared to conventional termination technologies.

Discharge resistor modules are available in a completely integrated design, allowing for easy fitting onto the capacitor. The capacitor's terminal design also permits the banking of multiple capacitor units within their permissible current-carrying capacity.

The SHDC series stands as an optimal combination of cutting-edge technology and ergonomic design, offering our customers unparalleled performance and reliability.

Technical Specifications:

(for Power Factor Correction Cylindrical Capacitors)

Range: 0.25 KVAR to 50 KVAR (230 Vac to 690 Vac)

Available in Standard Duty, Heavy Duty, Hyper Heavy Duty

- Features:**
- 1) Compact Cylindrical Design for LT Applications. (AL Can)
 - 2) Inbuilt pressure sensitive Interrupter to ensure maximum safety.
i.e. Explosion proof design
 - 3) Low Internal Power Losses, High Insulation Resistance
 - 4) Made with Self-Healing Metalizing film.
 - 5) Delta Connected.
 - 6) Very Low Power Loss.
 - 7) High Temperature withstand Capacity.
 - 8) Non-PCB dry resin
 - 9) Eco-friendly.
 - 10) All Products are tested by world Renewed lab CPRI.
 - 11) Safe Touch Shock Proof Terminals.
 - 12) Easy to Banking
 - 13) Vertical Mounting
 - 14) Special Sizes and Ratings (Customised) Capacitors can be available.

Applications: APFC Panel, Wind Turbines, Furnaces, industrial establishments.

Manufacturing Capacity: 1,000-2,000 Nos Per Day

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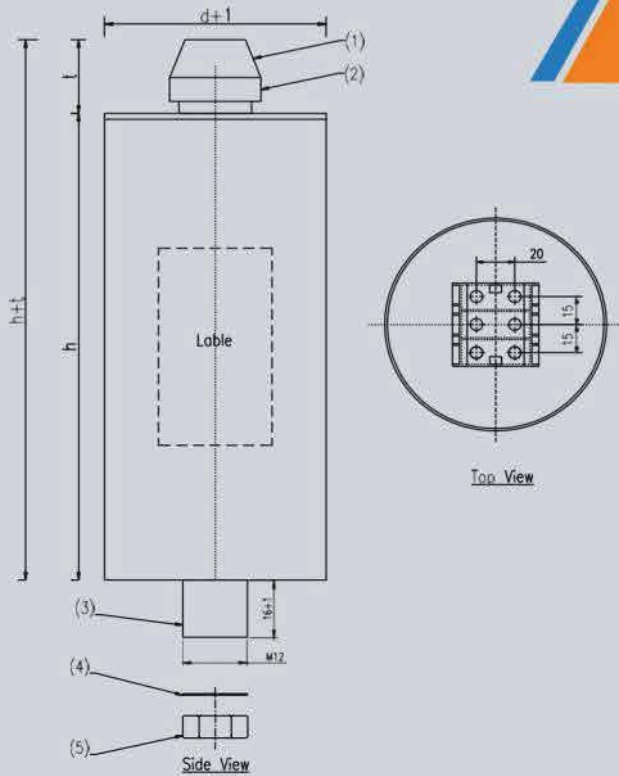
A.	Description:	MPP Type PFC Capacitor
01	Construction:	Dielectric: Polypropylene film
		Non-PCB, dry resin
		Extruded round aluminium can with stud
		Provided with discharge device
		Over pressure disconnecter
02	Features:	Three phases, delta connected
		Self-healing technology
		Naturally air cooled (or forced air cooling)
		Indoor mounting
03	Typical applications:	For Power Factor Correction
04	Terminals:	Optimized capacitor safety terminals
05	Mounting parts:	Threaded stud at bottom of can (max. torque = 10 Nm for M12)

B.	TECHNICAL DATA AND SPECIFICATIONS:	
01	Characteristics:	
	Rated capacitance CR:	3 x μ F
	Tolerance:	-5 / +10 %
	Connection:	D (Delta)
	Rated voltage (Un):	230 Vac to 690 Vac
	Rated frequency (Fn):	50/60 Hz
	tan δ (dielectric):	0.2 W / kvar
02	Maximum ratings:	
	(Maximum Permissible Voltage) V max	(up to 8 h daily): 1.1 x Un V AC
	Maximum Permissible Voltage) V max	(up to 1 min): 1.3 x Un V AC
	(Maximum Permissible Current)	I max: 1.5 x In (A) (including combined effects of harmonics, over voltages and capacitance tolerance)
	Is (IN RUSH CURRENT):	300 x In (A)
03	Test Data:	
	Voltage Test Between Terminals (Ut)	2.15 x Un / 50 Hz during 2 s
	Voltage Test Between Terminal to AL CAN (Vtc)	2 x Un + 2 KV or 3KV / 50 Hz during 10 s
	*tan δ (50 Hz) * Without discharge resistor	$\leq$ 0.5 W / KVAR

04	Mean Life Expectancy	150,000 Operating hours at 65° C
05	Temperature Category	-25° C to 65° C
06	Design data:	
	Impregnation:	Non PCB, dry resin
	Fixing:	Threaded bolt M12
	Max. torque (Al can stud):	10 Nm
	Mounting position:	Upright
07	Terminals:	8 MM Stud Type or Screw Type
	Degree of protection:	Isolated terminals, IP 20
	Max. torque:	1.2 Nm
	Creepage distance (min):	18 mm
08	Safety:	
	Mechanical safety:	Overpressure disconnecter
	Max. short circuit current:	(AFC: 10 kA)
09	Reference standards:	IEC 60831-1:2014

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DRAWING

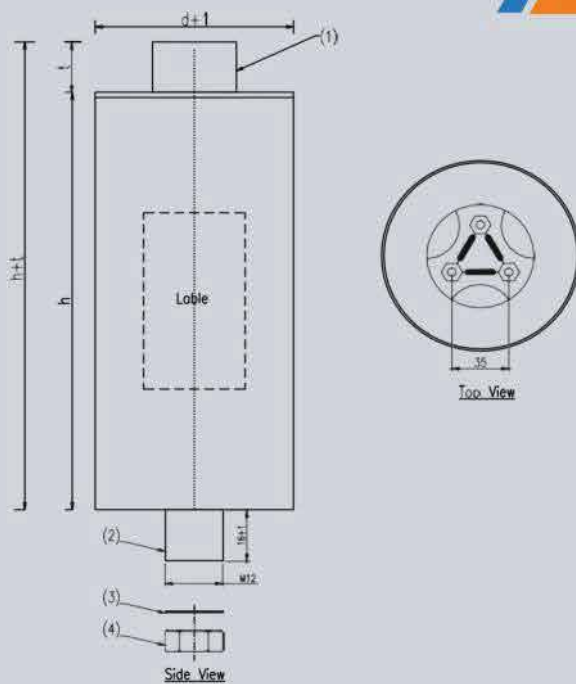


Screw Type Connector

SR. NO	PARAMETERS	SPECIFICATION
1	CREEPAGE DISTANCE	12 mm
2	CLEARANCE	10 mm
3	TORQUE M5	2.5 Nm
4	TORQUE M12	10 Nm
5	TERMINAL ASSEMBLY Ht	$t = 44$ mm

SR. NO	DESCRIPTION	
1	FINGER PROOF TERMINAL	Yes
2	RESISTOR ASSEMBLY	Yes
3	STUDE	M 12
4	TOOTHED WASHER	M 12
5	HEX NUT	M 12

Bolt Type Connector



SR. NO	PARAMETERS	SPECIFICATION
1	CREEPAGE DISTANCE	18 mm
2	CLEARANCE	26 mm
3	TORQUE M8	10 Nm
4	TORQUE M12	10 Nm
5	TERMINAL ASSEMBLY Ht	$t = 39$ mm

SR. NO	DESCRIPTION	
1	TERMINAL WITH RESISTOR ASSEMBLY	Yes
2	STUDE	M 12
3	TOOTHED WASHER	M 12
4	HEX NUT	M 12

POWER FACTOR CORRECTION CAPACITORS (CYLINDRICAL TYPE) LT						
MODEL NO	Ratings	VOLTAGE	MFD (μf)	CURRENT (A)	TYPE	CAN SIZE
SHDC-0.25-230	0.25 KVA _r	230 VAC 50HZ	15.05	1.09	WIRE/TERMINAL	63.5x95
SHDC-0.50-230	0.5 KVA _r	230 VAC 50HZ	30.10	2.17	WIRE/TERMINAL	63.5x95
SHDC-1.0-230	1 KVA _r	230 VAC 50HZ	60.20	4.35	WIRE/TERMINAL	63.5x95
SHDC-1.5-230	1.5 KVA _r	230 VAC 50HZ	90.30	6.52	WIRE/TERMINAL	63.5x95
SHDC-2.5-230	2.5 KVA _r	230 VAC 50HZ	150.03	10.87	WIRE/TERMINAL	63.5x130
SHDC-5.0-230	5 KVA _r	230 VAC 50HZ	301.04	21.74	WIRE/TERMINAL	63.5x203
SHDC-7.5-230	7.5 KVA _r	230 VAC 50HZ	451.52	32.61	SCREW TYPE	75x203
SHDC-10.0-230	10 KVA _r	230 VAC 50HZ	602.03	43.48	SCREW TYPE	85x203

POWER FACTOR CORRECTION CAPACITORS (CYLINDRICAL TYPE) LT						
MODEL NO	Ratings	VOLTAGE	MFD (μf)	CURRENT (A)	TYPE	CAN SIZE
SHDC-0.25-400	0.25 KVA _r	400 VAC 50HZ	1.65 x 3	0.36	WIRE/TERMINAL	45x118
SHDC-0.50-400	0.5 KVA _r	400 VAC 50HZ	3.31 x 3	0.72	WIRE/TERMINAL	45x118
SHDC-0.75-400	0.75 KVA _r	400 VAC 50HZ	4.97 x 3	1.08	WIRE/TERMINAL	45x118
SHDC-1.0-400	1 KVA _r	400 VAC 50HZ	6.63 x 3	1.44	WIRE/TERMINAL	45x150
SHDC-1.5-400	1.5 KVA _r	400 VAC 50HZ	9.94 x 3	2.17	WIRE/TERMINAL	50x160
SHDC-2.5-400	2.5 KVA _r	400 VAC 50HZ	16.57 x 3	3.61	WIRE/TERMINAL	50x160
SHDC-3-400	3 KVA _r	400 VAC 50HZ	19.89 x 3	4.33	WIRE/TERMINAL	50x160
SHDC-5-400	5 KVA _r	400 VAC 50HZ	33.15 x 3	7.22	SCREW TYPE	75x170
SHDC-7.5-400	7.5 KVA _r	400 VAC 50HZ	49.73 x 3	10.83	SCREW TYPE	75*170
SHDC-10-400	10 KVA _r	400 VAC 50HZ	66.31 x 3	14.43	SCREW TYPE	75x203
SHDC-12.5-400	12.5 KVA _r	400 VAC 50HZ	82.89 x 3	18.04	SCREW TYPE	85x203
SHDC-15-400	15 KVA _r	400 VAC 50HZ	99.47 x 3	21.65	SCREW TYPE	85x203
SHDC-20-400	20 KVA _r	400 VAC 50HZ	132.62 x 3	28.87	SCREW TYPE	95x210
SHDC-25-400	25 KVA _r	400 VAC 50HZ	165.79 x 3	36.08	SCREW TYPE	95x247
SHDC-30-400	30 KVA _r	400 VAC 50HZ	198.94 x 3	43.30	BOLT TYPE	116x212
SHDC-40-400	40 KVA _r	400 VAC 50HZ	265.25 x 3	57.74	BOLT TYPE	116x247
SHDC-50-400	50 KVA _r	400 VAC 50HZ	331.57 x 3	72.17	BOLT TYPE	136x247

POWER FACTOR CORRECTION CAPACITORS (CYLINDRICAL TYPE) LT						
MODEL NO	Ratings	VOLTAGE	MFD (μf)	CURRENT (A)	TYPE	CAN SIZE
SHDC-0.25-415	0.25 KVA _r	415 VAC 50HZ	1.54 x 3	0.34	WIRE/TERMINAL	45x118
SHDC-0.50-415	0.5 KVA _r	415 VAC 50HZ	3.08 x 3	0.69	WIRE/TERMINAL	45x118
SHDC-0.75-415	0.75 KVA _r	415 VAC 50HZ	4.62 x 3	1.04	WIRE/TERMINAL	45x118
SHDC-1.0-415	1 KVA _r	415 VAC 50HZ	6.16 x 3	1.39	WIRE/TERMINAL	45x150
SHDC-1.5-415	1.5 KVA _r	415 VAC 50HZ	9.24 x 3	2.08	WIRE/TERMINAL	50x160
SHDC-2.5-415	2.5 KVA _r	415 VAC 50HZ	15.40 x 3	3.47	WIRE/TERMINAL	50x160
SHDC-3.0-415	3 KVA _r	415 VAC 50HZ	18.48 x 3	4.17	WIRE/TERMINAL	50x160
SHDC-5.0-415	5 KVA _r	415 VAC 50HZ	30.80 x 3	6.96	SCREW TYPE	75x170
SHDC-7.5-415	7.5 KVA _r	415 VAC 50HZ	46.21 x 3	10.43	SCREW TYPE	75x170
SHDC-10.0-415	10 KVA _r	415 VAC 50HZ	61.61 x 3	13.91	SCREW TYPE	75*203
SHDC-12.5-415	12.5 KVA _r	415 VAC 50HZ	77.01 x 3	17.39	SCREW TYPE	85*203

POWER FACTOR CORRECTION CAPACITORS (CYLINDRICAL TYPE) LT

MODEL NO	Ratings	VOLTAGE	MFD (μf)	CURRENT (A)	TYPE	CAN SIZE
SHDC-15.0-415	15 KVA _r	415 VAC 50HZ	92.41 x 3	20.86	SCREW TYPE	85*203
SHDC-20.0-415	20 KVA _r	415 VAC 50HZ	123.21 x 3	27.82	SCREW TYPE	85*247
SHDC-25.0-415	25 KVA _r	415 VAC 50HZ	154.02 x 3	34.78	SCREW TYPE	95x247
SHDC-30.0-415	30 KVA _r	415 VAC 50HZ	184.82 x 3	41.73	BOLT TYPE	116*247
SHDC-40.0-415	40 KVA _r	415 VAC 50HZ	246.43 x 3	55.64	BOLT TYPE	116*247
SHDC-50.0-415	50 KVA _r	415 VAC 50HZ	308.04 x 3	69.56	BOLT TYPE	136*247

POWER FACTOR CORRECTION CAPACITORS (CYLINDRICAL TYPE) LT

MODEL NO	Ratings	VOLTAGE	MFD (μf)	CURRENT (A)	TYPE	CAN SIZE
SHDC-0.25-440	0.25 KVA _r	440 VAC 50HZ	1.37 x 3	0.33	WIRE/TERMINAL	45x118
SHDC-0.50-440	0.5 KVA _r	440 VAC 50HZ	2.74 x 3	0.66	WIRE/TERMINAL	45x118
SHDC-0.75-440	0.75 KVA _r	440 VAC 50HZ	4.11 x 3	0.98	WIRE/TERMINAL	45x118
SHDC-1.0-440	1 KVA _r	440 VAC 50HZ	5.48 x 3	1.31	WIRE/TERMINAL	45x150
SHDC-1.5-440	1.5 KVA _r	440 VAC 50HZ	8.22 x 3	1.97	WIRE/TERMINAL	50x160
SHDC-2.5-440	2.5 KVA _r	440 VAC 50HZ	13.70 x 3	3.28	WIRE/TERMINAL	50x160
SHDC-3.0-440	3 KVA _r	440 VAC 50HZ	16.44 x 3	3.94	WIRE/TERMINAL	50x160
SHDC-5.0-440	5 KVA _r	440 VAC 50HZ	27.40 x 3	6.56	SCREW TYPE	75x170
SHDC-7.5-440	7.5 KVA _r	440 VAC 50HZ	41.10 x 3	9.84	SCREW TYPE	75x170
SHDC-10.0-440	10 KVA _r	440 VAC 50HZ	54.81 x 3	13.12	SCREW TYPE	75*203
SHDC-12.5-440	12.5 KVA _r	440 VAC 50HZ	68.51 x 3	16.40	SCREW TYPE	85*203
SHDC-15.0-440	15 KVA _r	440 VAC 50HZ	82.21 x 3	19.68	SCREW TYPE	85*203
SHDC-20.0-440	20 KVA _r	440 VAC 50HZ	109.61 x 3	26.24	SCREW TYPE	85*247
SHDC-25.0-440	25 KVA _r	440 VAC 50HZ	137.01 x 3	32.80	SCREW TYPE	95x247
SHDC-30.0-440	30 KVA _r	440 VAC 50HZ	167.72 x 3	39.36	BOLT TYPE	116*247
SHDC-40.0-440	40 KVA _r	440 VAC 50HZ	219.22 x 3	52.49	BOLT TYPE	116*247
SHDC-50.0-440	50 KVA _r	440 VAC 50HZ	274.03 x 3	65.61	BOLT TYPE	136*247

POWER FACTOR CORRECTION CAPACITORS (CYLINDRICAL TYPE) LT

MODEL NO	Ratings	VOLTAGE	MFD (μf)	CURRENT (A)	TYPE	CAN SIZE
SHDC-0.25-480	0.25 KVA _r	480 VAC 50HZ	1.15 x 3	0.30	WIRE/TERMINAL	45x118
SHDC-0.50-480	0.5 KVA _r	480 VAC 50HZ	2.30 x 3	0.60	WIRE/TERMINAL	45x118
SHDC-0.75-480	0.75 KVA _r	480 VAC 50HZ	3.45 x 3	0.90	WIRE/TERMINAL	45x118
SHDC-1.0-480	1 KVA _r	480 VAC 50HZ	4.61 x 3	1.20	WIRE/TERMINAL	45x150
SHDC-1.5-480	1.5 KVA _r	480 VAC 50HZ	6.91 x 3	1.80	WIRE/TERMINAL	50x160
SHDC-2.5-480	2.5 KVA _r	480 VAC 50HZ	11.51 x 3	3.01	WIRE/TERMINAL	50x160
SHDC-3.0-480	3 KVA _r	480 VAC 50HZ	13.82 x 3	3.61	WIRE/TERMINAL	50x160
SHDC-5.0-480	5 KVA _r	480 VAC 50HZ	23.03 x 3	6.01	SCREW TYPE	75x170
SHDC-7.5-480	7.5 KVA _r	480 VAC 50HZ	34.54 x 3	9.02	SCREW TYPE	75x170
SHDC-10.0-480	10 KVA _r	480 VAC 50HZ	46.05 x 3	12.03	SCREW TYPE	75*203
SHDC-12.5-480	12.5 KVA _r	480 VAC 50HZ	57.06 x 3	15.04	SCREW TYPE	85*203
SHDC-15.0-480	15 KVA _r	480 VAC 50HZ	69.08 x 3	18.04	SCREW TYPE	85*203
SHDC-20.0-480	20 KVA _r	480 VAC 50HZ	92.10 x 3	24.06	SCREW TYPE	85*247

POWER FACTOR CORRECTION CAPACITORS (CYLINDRICAL TYPE) LT						
MODEL NO	Ratings	VOLTAGE	MFD (μf)	CURRENT (A)	TYPE	CAN SIZE
SHDC-25.0-480	25 KVA _r	480 VAC 50HZ	115.13 x 3	30.07	SCREW TYPE	95x247
SHDC-30.0-480	30 KVA _r	480 VAC 50HZ	138.16 x 3	36.08	BOLT TYPE	116*247
SHDC-40.0-480	40 KVA _r	480 VAC 50HZ	184.21 x 3	48.11	BOLT TYPE	116*247
SHDC-50.0-480	50 KVA _r	480 VAC 50HZ	230.26 x 3	60.14	BOLT TYPE	136*247

POWER FACTOR CORRECTION CAPACITORS (CYLINDRICAL TYPE) LT						
MODEL NO	Ratings	VOLTAGE	MFD (μf)	CURRENT (A)	TYPE	CAN SIZE
SHDC-0.25-525	0.25 KVA _r	525 VAC 50HZ	0.96 x 3	0.27	WIRE/TERMINAL	45x118
SHDC-0.50-525	0.5 KVA _r	525 VAC 50HZ	1.92 x 3	0.55	WIRE/TERMINAL	45x118
SHDC-0.75-525	0.75 KVA _r	525 VAC 50HZ	2.88 x 3	0.82	WIRE/TERMINAL	45x118
SHDC-1.0-525	1 KVA _r	525 VAC 50HZ	3.84 x 3	1.10	WIRE/TERMINAL	45x150
SHDC-1.5-525	1.5 KVA _r	525 VAC 50HZ	5.77 x 3	1.65	WIRE/TERMINAL	50x160
SHDC-2.5-525	2.5 KVA _r	525 VAC 50HZ	9.62 x 3	2.75	WIRE/TERMINAL	50x160
SHDC-3.0-525	3 KVA _r	525 VAC 50HZ	11.54 x 3	3.30	WIRE/TERMINAL	50x160
SHDC-5.0-525	5 KVA _r	525 VAC 50HZ	19.24 x 3	5.50	SCREW TYPE	75x170
SHDC-7.5-525	7.5 KVA _r	525 VAC 50HZ	28.87 x 3	8.25	SCREW TYPE	75x170
SHDC-10.0-525	10 KVA _r	525 VAC 50HZ	38.49 x 3	11.00	SCREW TYPE	75x203
SHDC-12.5-525	12.5 KVA _r	525 VAC 50HZ	48.11 x 3	13.75	SCREW TYPE	85x203
SHDC-15.0-525	15 KVA _r	525 VAC 50HZ	57.74 x 3	16.50	SCREW TYPE	85x203
SHDC-20.0-525	20 KVA _r	525 VAC 50HZ	76.99 x 3	21.99	SCREW TYPE	95x247
SHDC-25.0-525	25 KVA _r	525 VAC 50HZ	96.23 x 3	27.49	SCREW TYPE	116x247
SHDC-30.0-525	30 KVA _r	525 VAC 50HZ	115.48 x 3	32.99	BOLT TYPE	116x247
SHDC-40.0-525	40 KVA _r	525 VAC 50HZ	153.98 x 3	43.99	BOLT TYPE	136x247
SHDC-50.0-525	50 KVA _r	525 VAC 50HZ	192.47 x 3	54.99	BOLT TYPE	136x247

POWER FACTOR CORRECTION CAPACITORS (CYLINDRICAL TYPE) LT						
MODEL NO	Ratings	VOLTAGE	MFD (μf)	CURRENT (A)	TYPE	CAN SIZE
SHDC-5.0-690	5 KVA _r	690 VAC 50HZ	11.14	4.18	SCREW TYPE	75x203
SHDC-7.5-690	7.5 KVA _r	690 VAC 50HZ	16.71	6.28	SCREW TYPE	75x203
SHDC-10.0-690	10 KVA _r	690 VAC 50HZ	22.28	8.37	SCREW TYPE	85x203
SHDC-12.5-690	12.5 KVA _r	690 VAC 50HZ	27.85	10.46	SCREW TYPE	95x203
SHDC-15.0-690	15 KVA _r	690 VAC 50HZ	33.42	12.55	SCREW TYPE	95x203
SHDC-20.0-690	20 KVA _r	690 VAC 50HZ	44.57	16.73	SCREW TYPE	116x247
SHDC-25.0-690	25 KVA _r	690 VAC 50HZ	55.71	20.92	SCREW TYPE	136x247
SHDC-30.0-690	30 KVA _r	690 VAC 50HZ	66.85	25.10	BOLT TYPE	136x247
SHDC-40.0-690	40 KVA _r	690 VAC 50HZ	89.14	33.47	BOLT TYPE	136x353
SHDC-50.0-690	50 KVA _r	690 VAC 50HZ	111.42	41.84	BOLT TYPE	136x353

B FAN CAPACITORS:

Range: 0.5 MFD to 6 MFD

Specifications: 230Vac to 600Vac, 50/60Hz

Available in PP (Round & Square Shape) and AL Can with wire and Terminal

Features: 1) Made with Self-Healing Metalizing film.
2) Can Operate with Same efficiency with Variable Temperature Range.
3) Low Internal Power Losses, High Insulation Resistance
4) Class A, B, C
5) Available with ISI and CE Certification Markings.
6) Special Sizes and Ratings (Customised) Capacitors can be available.

Applications: Ceiling Fan, Table Fans, Pedestal Fans, Exhaust Fans.

Manufacturing Capacity: 1,00,000 Nos Per Day

C MOTOR RUN CAPACITORS:

Range: 5 MFD to 120 MFD

Specifications: 230Vac to 525Vac, 50/60Hz

Available in PP (Round) and AL Can with wire and Terminal

Features: 1) Made with Self-Healing Metalizing film.
2) Can Operate with Same efficiency with Variable Temperature Range.
3) Low Internal Power Losses, High Insulation Resistance
4) Class A, B, C
5) Specially Designed Capacitors for Submersible Pumps.
6) Available with ISI and CE Certification Markings.
7) Special Sizes and Ratings (Customised) Capacitors can be available.

Applications: Single Phase Motors, Mono Blocks, Submersible Pumps, Industrial Blowers etc.

Manufacturing Capacity: 25,000 Nos Per Day

D MOTOR START CAPACITORS:

Range: 40-60 MFD to 250-300 MFD

Specifications: 230Vac to 275Vac, 50/60Hz

Available in PP (Round) and AL Can with wire and Terminal

Features: 1) Made with Self-Healing Metalizing film.
2) Can Operate with Same efficiency with Variable Temperature Range.
3) Low Internal Power Losses, High Insulation Resistance
4) Class A, B, C
5) Specially Designed Capacitors for Submersible Pumps.
6) Very Low Power Loss
7) Special Sizes and Ratings (Customised) Capacitors can be available.

Applications: Motor Starters, Mono Blocks pump sets, Submersible Pumps, Industrial Blowers, Refrigeration's and Compressors etc.

Manufacturing Capacity: 25,000 Nos Per Day

FAN CAPACITOR, MOTOR RUN CAPACITORS

RATINGS	VOLTAGE	TYPE	SIZE
2 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	27x51
2.25 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	27x51
2.5 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	27x51
3.15 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	27x51
3.5 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	27x51
4 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	27x51
5 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	27x51
6 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	30x57
7.5 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	30x57, 35x57
8 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	35x57
10 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	35x57
10 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	35x70
12.5 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	35x57
12.5 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	35x70
15 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	35x70
20 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	35x70
20 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	35x70
20 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	40x94
20 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	45x70
25 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	40x70
25 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	40x96
25 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	45x70
25 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	45x96
30 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	40x96
30 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	45x70
30 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	45x94
36 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	40x96
36 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	45x70
36 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	45x96
36 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	45x118
40 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	45x96
40 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	45x118
45 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	45x96
45 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	45x118
50 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	45x96
50 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	45x118
50 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	50x96
50 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	50x118
55 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	50x96
55 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	50x118
60 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	50x96
60 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	50x118
65 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	50x96

RATINGS	VOLTAGE	TYPE	SIZE
72 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	50x96
72 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	50x118
90 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	50x96
90 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	55x96
105 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	50x96
108 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	50x96
120 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	50x96

MOTOR START CAPACITORS			
RATINGS	VOLTAGE	TYPE	SIZE
40-60 (30 MFD)	230 VAC 50HZ/60HZ	WIRE/TERMINAL	40x70
60-80 (45 MFD)	230 VAC 50HZ/60HZ	WIRE/TERMINAL	40x70
80-100 (60 MFD)	230 VAC 50HZ/60HZ	WIRE/TERMINAL	40x96
100-120 (75 MFD)	230 VAC 50HZ/60HZ	WIRE/TERMINAL	40x96
120-150 (90 MFD)	230 VAC 50HZ/60HZ	WIRE/TERMINAL	45x96
150-200 (105 MFD)	230 VAC 50HZ/60HZ	WIRE/TERMINAL	50x96
200-250 (120 MFD)	230 VAC 50HZ/60HZ	WIRE/TERMINAL	50x96
250-300 (135 MFD)	230 VAC 50HZ/60HZ	WIRE/TERMINAL	50x96

FAN CAPACITORS (SQUARE TYPE)			
RATINGS	VOLTAGE	TYPE	
0.5 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	
1 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	
1.5 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	
2 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	
2.5 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	
3 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	
3.5 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	
4 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	
4.5 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	
5 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	
7.5 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	
10 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	
12.5 MFD	400-440 VAC 50HZ/60HZ	WIRE/TERMINAL	

SPECIAL TYPE CAPACITORS		
ITEM DESCRIPTION	TYPE	SIZE
0.5 MFD 3 WIRE 440 VAC 50HZ/60HZ	WIRE	35x57 (STUD)
0.5 MFD 3 WIRE 440 VAC 50HZ/60HZ	WIRE	45x70
2 MFD 3 WIRE 440 VAC 50HZ/60HZ	WIRE	35x57 (STUD)
2 MFD 3 WIRE 440 VAC 50HZ/60HZ	WIRE	45x70
2 MFD TAPPED CAPACITORS 440 VAC 50HZ/60HZ	TERMINAL	

Range: 2.5 to 80 MFD, 25+2 to 80+7.5 MFD

Specifications: 370Vac to 450Vac, 50/60Hz

BURST PROOF DESIGN in AL Can with Terminal (4+4+4, 4+4+2, 2+2+2)

Features: 1) Made with Self-Healing Metalizing film.

2) Inbuilt pressure sensitive Interrupter to ensure maximum safety.

3) Low Internal Power Losses, High Insulation Resistance

4) Class A, B, C

5) Highly Reliable Tin-Plated Terminals

6) Very Low Power Loss

7) Can Operate with Same efficiency with Variable Temperature Range.

8) Special Sizes and Ratings (Customised) Capacitors can be available.

Applications: Refrigeration's and Compressors etc.

Manufacturing Capacity: 5,000 – 7,500 Nos Per Day

AIR CONDITIONING CAPACITORS (AL TYPE)			
RATINGS	VOLTAGE	TYPE	SIZE
20+5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	40x118
25+5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	40x118
30+5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	45x118
35+5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	45x118
40+5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	45x118
45+5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	50x118
50+5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	50x118
55+5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	55x118
60+5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	55x118
70+5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	55x118
75+5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	55x118
80+5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	55x118
85+5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	55x118
10+2.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	40x118
12.5+2.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	40x118
15+2.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	40x118
20+2.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	40x118
25+2.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	40x118
30+2.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	45x118
35+2.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	45x118
40+2.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	45x118
45+2.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	50x118
50+2.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	50x118
55+2.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	55x118
60+2.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	55x118
70+2.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	55x118
75+2.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	55x118
80+2.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	55x118
85+2.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	55x118
20+4/6/7.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	40x118
25+4/6/7.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	40x118

AIR CONDITIONING CAPACITORS (AL TYPE)			
RATINGS	VOLTAGE	TYPE	SIZE
30+4/6/7.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	45x118
35+4/6/7.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	45x118
40+4/6/7.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	45x118
45+4/6/7.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	45x118
50+4/6/7.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	45x118
55+4/6/7.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	55x118
60+4/6/7.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	55x118
70+4/6/7.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	55x118
75+4/6/7.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	55x118
80+4/6/7.5 MFD	370-440VAC 50/60 Hz	(4+4+4) (2+2+2) (4+4+2)	55x118

AIR CONDITIONING MOTOR RUN CAPACITORS (AL TYPE)			
RATINGS	VOLTAGE	TYPE	SIZE
2.5 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	40x80
3 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	40x80
4 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	40x80
5 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	40x80
7.5 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	40x80
10 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	40x80
12.5 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	40x80
15 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	40x80
20 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	40x80
25 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	40x80
30 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	45x118
36 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	45x118
40 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	45x118
45 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	50x118
50 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	50x118
55 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	55x118
60 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	55x118
65 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	55x118
70 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	55x118
75 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	55x118
80 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	55x118
85 MFD	370-440VAC 50/60 Hz	(4+4) (2+2)	55x118

Technical Specifications:

(for Fan Capacitor, Motor Capacitors and Air Conditioning Capacitor)

A. Description:		MPP Type Motor Run-Motor Start Capacitor
01	Construction:	Dielectric: Polypropylene film
02	Features:	Self-healing technology
03	Typical applications:	Fan Capacitor
04	Standards:	IS 2993:2024 (Part: 1 & 2), IS 2993/IEC60252- 1 & 2

B. TECHNICAL DATA AND		SPECIFICATIONS:
	Rated capacitance CR:	Fan, Motor Run: 0.2 to 120 MFD Motor Start: 40-60 to 250-300 MFD
	Tolerance:	-5/+10%
	Rated voltage VR:	230-600V AC
	Rated frequency F:	50/60 Hz
	tan δ (dielectric):	≤ 0.0025
	Dielectric	MPP Film
	Temperature Range T min (-) T max (+):	5 °C to 85 °C
	Endurance Test	200-6000hrs at 1.25 Times Rated Voltage at 85 °C
	Between Body & Terminals	twice the rated voltage +1 000 V but not less than 2 000 V)
	Between Terminals Voltage	2.00 Times of Rated Voltage
	Dimensions ($\varnothing \times L$):	As per requirement
	Case	Plastic Body + Aluminium Body
	Impregnation:	Non-PCB, Semi-dry biodegradable resin
	Mounting position:	Upright and Horizontal

Range:

- a) Harmonic Filter Reactors (Copper, Aluminum Strip and Aluminum Foil Wound)
1 KVAR – 100 KVAR UP TO 690V
- b) Shunt Reactor (Copper and Aluminum Strip Wound)
1 KVAR – 100 KVAR UP TO 440V 1 PH & 3 PH

Features:

- 1. High Harmonic Loading Capacity.
- 2. Low Losses.
- 3. Convenient Mounting
- 4. Temperature protection (NC Contact)
- 5. High Class Copper, AL Flat & AL Foil used.
- 6. Vacuum Impregnation which ensures they can with stands high Voltage, have Low noise & offer a long operating Time.
- 7. High Class Iron Core with multiple Air Gaps as well as staid design approach. Guarantee high. Current Linearity & Low heat dissipation Losses.
- 8) Special Sizes and Ratings (Customised) Capacitors can be available.

Technical Specifications:

- 1. Description : Three-Phase Dry Type Magnetic Circuit Impregnated
- 2. Standard : IS 5553-5 IEC60076-6
- 3. Degree of Protection : IP00
- 4. Insulation Class : F & H
- 5. Rated Voltage : 400 to 690 Volt- 50 Hz. 400 to 690 Volt- 60 Hz.
- 6. Detuning : 5.67 %, 7 %, 14%
- 7. Cooling Type : Natural
- 8. Ambient Temp. : 55 degree cel.
- 9. Temperature protection : Thermal Switch (NC)
- 10. Inductance Tolerance : $\pm 5\%$
- 11. Dielectric Test 50Hz/60Hz Bet. Winding & Winding to body : 3KV for 1 Min.

Installation Guideline:

- 1. The detuned reactor always requires forced ventilation system.
- 2. Mounting of reactor should be in zig zag manner so that heating of one reactor should not affect another reactor.
- 3. Install the reactor in vertical position.
- 4. Ensure that the ambient temperature installation does not exceed beyond 55°C (inside the panel).
- 5. Reactor should be earth to earth point.

Dimension Details:

400-440V, 7 %, 50/ 60 Hz Aluminum Flat Type Detuned Reactor

KVAr	TERMINAL	L	W	H	n1	n2	φ	Appro. WEIGHT (Kg)	Part no
5	6 sqmm Connector Type.	190	115	210	60	60	—	7	SHAL0705N
10	10 sq.mm Connector Type	190	150	210	60	80	—	9	SHAL0710N
12.5	10 sq.mm Connector Type	190	150	210	60	80	—	9	SHAL0712N
15	16 sq.mm Connector Type	240	160	265	150	84	—	13	SHAL0715N
20	25 sqmm. AL Lug	240	175	200	150	98	8	16	SHAL0720N
25	35 sqmm. . AL Lug	240	175	200	150	98	8	17	SHAL0725N
30	50 sqmm. . AL Lug	240	190	200	150	98	8	18	SHAL0730N
40	50 sqmm. . AL Lug	285	220	230	150	148	8	26	SHAL0740N
50	50 sqmm. . AL Lug	285	220	230	150	148	8	26	SHAL0750N
75	50 sqmm. . AL Lug	310	255	268	150	150	10	39	SHAL0775N
100	120 s.mm. . AL Lug	310	290	270	150	174	10	46	SHAL07100N

400-440V, 7 %, 50/ 60 Hz Copper Type Detuned Reactor

KVAr	TERMINAL	L	W	H	n1	n2	φ	Appro. WEIGHT (Kg)	Part no
5	6 sq.mm Connector Type.	190	115	210	60	60	—	8	SHCU0705N
10	10 sq.mm Connector Type	190	150	210	60	80	—	10	SHCU0710N
12.5	10 sq.mm Connector Type	190	150	210	60	80	—	11	SHCU0712N
15	16 sq.mm Connector Type	240	160	265	150	84	—	15	SHCU0715N
20	16 sqmm. CuLug	240	175	200	150	98	8	17	SHCU0720N
25	16 sqmm Cu Lug	240	175	200	150	98	8	18	SHCU0725N
30	25 sqmm Cu Lug	240	190	200	150	98	8	19	SHCU0730N
40	25 sqmm Cu Lug	285	235	230	150	168	8	27	SHCU0740N
50	25 sqmm Cu Lug	285	235	230	150	168	8	28	SHCU0750N
75	95 qmm Cu Lug	310	255	268	150	150	10	42	SHCU0775N
100	95 sqmm Cu Lug	310	290	270	150	174	10	52	SHCU07100N

400-440V, 7 %, 50/ 60 Hz Aluminum Foil Type Detuned Reactor

KVAr	TERMINAL	L	W	H	n1	n2	φ	Appro. WEIGHT (Kg)	Part no
20	20x3 Bus-Bars	225	140	205	150	98	8	16	SHAF0720N
25	20x3 Bus-Bar	240	140	205	150	98	8	17	SHAF0725N
30	20x3 Bus-Bar	240	140	205	150	98	8	18	SHAF0730N
50	20x3 Bus-bar	285	173	210	150	168	8	26	SHAF0750N
60	20x3 Bus-bar	300	173	210	165	168	10	29	SHAF0760N
75	20x3 Bus-Bar	310	250	270	150	150	10	39	SHAF0775N
100	25x3 Bus-Bar	310	250	270	150	174	10	50	SHAF07100N

400-440V, 5.67 %,50/ 60 Hz Aluminum Flat Type Detuned Reactor

KAVr	TERMINAL	L	W	H	n1	n2	φ	Appro. WEIGHT (Kg)	Part no
5	6 sq.mm Connector Type.	190	115	210	60	60	—	7	SHAL0505N
10	10 sq.mm Connector Type	190	150	210	60	80	—	9	SHAL0510N
12.5	10 sq.mm Connector Type	190	150	210	60	80	—	10	SHAL0512N
15	16 sq.mm Connector Type	240	160	265	150	84	—	13	SHAL0515N
20	25 sqmm. AL Lug	240	175	200	150	98	8	16	SHAL0520N
25	35 sqmm. . AL Lug	240	175	200	150	98	8	17	SHAL0525N
50	50 sqmm. . AL Lug	285	235	230	150	168	8	26	SHAL0550N
75	50 sqmm. . AL Lug	310	255	268	150	150	10	39	SHAL0575N
100	120 s.mm. . AL Lug	310	290	270	150	174	10	46	SHAL05100N

400-440V, 5.67 %,50/ 60 Hz Copper Type Detuned Reactor

KAVr	TERMINAL	L	W	H	n1	n2	φ	Appro. WEIGHT (Kg)	Part no
5	6 sq.mm Connector Type.	190	115	210	60	60	—	7	SHCU0505N
10	10 sq.mm Connector Type	190	150	210	60	80	—	9	SHCU0510N
12.5	10 sq.mm Connector Type	190	150	210	60	80	—	9	SHCU0512N
15	16 sq.mm Connector Type	240	160	265	150	84	—	13	SHCU0515N
20	16 sqmm. CuLug	240	175	200	150	98	8	16	SHCU0520N
25	16 sqmm Cu Lug	240	175	200	150	98	8	18	SHCU0525N
50	25 sqmm Cu Lug	285	235	230	150	168	8	27	SHCU0550N
75	95 qmm Cu Lug	310	255	268	150	150	10	42	SHCU0575N
100	95 sqmm Cu Lug	310	290	270	150	174	10	52	SHCU07100N

KAVr	TERMINAL	L	W	H	n1	n2	φ	Appro. WEIGHT (Kg)	Part no
20	20x3 Bus-Bar	225	175	205	150	98	8.5	17	SHAF0520N
25	20x3 Bus-Bar	240	175	205	150	98	8.5	18	SHAF0525N
50	20x3 Bus-bar	285	235	210	150	168	8.5	25	SHAF0550N
75	20x3 Bus-Bar	310	190	270	150	150	10.5	42	SHAF0575N
100	25x3 Bus-Bar	310	190	270	150	174	10.5	50	SHAF05100N

KAVr	TERMINAL	L	W	H	n1	n2	φ	Appro.	Part no
5	6 sq.mm Connector Type.	190	120	215	60	80	—	9	SHAL1405N
10	10 sq.mm Connector Type	240	175	260	60	84	—	11	SHAL1410N
12.5	10 sq.mm Connector Type	240	175	200	60	84	—	9	SHAL1412N
15	16 sq.mm Connector Type	240	175	200	150	98	—	13	SHAL1415N
20	25 sq.mm.	285	235	230	150	168	8	24	SHAL1420N
25	35 sq.mm.	285	235	230	150	168	8	27	SHAL1425N
50	50sqmm AL	310	195	270	150	150	10.5	43	SHAL1450N
75	Lug120 sqmm AL lug	390	300	270	150	174	10.5	82	SHAL1475N
100	120sqmm AL Lug	390	295	290	210	166	10.5	95	SHAL14100N

KAVr	TERMINAL	L	W	H	n1	n2	φ	Appro. WEIGHT (Kg)	Part no
5	6 sq.mm Connector Type.	190	120	215	60	80	—	9	SHCU1405N
10	10 sq.mm Connector Type	240	175	200	60	84	—	11	SHCU1410N
12.5	10 sq.mm Connector Type	240	175	200	60	84	—	12	SHCU1412N
15	16 sq.mm Connector Type	240	175	200	150	98	—	13	SHCU1415N
20	25 sqmm. AL Lug	285	235	230	150	168	8	24	SHCU1420N
25	35 sqmm. . AL Lug	285	235	230	150	168	8	27	SHCU1425N
50	50 sqmm. . AL Lug	310	268	270	150	150	10.5	43	SHCU1450N
75	50 sqmm. . AL Lug	390	390	270	150	174	10.5	82	SHCU1475N
100	50 sqmm. . AL Lug	390	295	290	210	166	10.5	45	SHCU14100N

KAVr	TERMINAL	L	W	H	n1	n2	φ	Appro. WEIGHT (Kg)	Part no
20	20x3 Bus-Bars	285	235	230	150	168	8	26	SHAF1420N
25	20x3 Bus-Bar	285	235	230	150	168	8	26	SHAF1425N
50	23x3 Bus-Bar	310	250	270	150	174	10	52	SHAF1450N

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rohitsule@yashcapacitors.com
yashcapacitors@gmail.com



+91 8928901275 / +91 8855015488
+91 0253 2350739 / 2353891



www.yashcapacitors.com



YASH CAPACITORS PVT. LTD.
G-33,m.l.d.c.,Satpur,nashik, maharashtra,
India, Pin:422 077