



- **Power Factor Capacitors**
- **Harmonic Filter Reactors**



YASH CAPACITORS PVT. LTD

About Us

- Yash Capacitors Pvt Ltd, is recognized, pioneer in manufacturing capacitors established in 1981 with a track record of over 33 years.
- Yash group is having more than 10000sq.feet built up area in MIDC, Satpur, Nashik, Maharashtra.
- Yash Capacitors Pvt.Ltd uses globally accepted Dielectric (MPP) Technology with in-built safety mechanism. This innovative process prevents bursting and protects the equipment in the event of a voltage breakdown.
- Our SUNNY brand has established a reputation for reliability and quality. This has led SUNNY Capacitors becoming one of the major suppliers of Power Utilities to industries & Railways.
- We are the First Indian manufacturer to develop and supply RC Damping Panels and Three Phase LOCO MOTIVES for Indian Railways.
- It is also equipped to manufacture tailor-made capacitors as per individual customer's requirement. Its pedigree is based on continuous experience of capacitor manufacture over three decades.
- Yash Capacitors Pvt.Ltd company having fully equipped plant with automatic winding machines, spray system and all other required machines for production.

Quality

- **Yash Capacitors Pvt.Ltd is an established capacitor manufacturing company having well known brands like SUNNY', 'INDOCAP', 'YASHCAP', SUPREME' for its Performance, Reliability and Durability. The quality of our products has been a key driver of our growth and prominence in the capacitor industry.**
- **Yash capacitors' products are tested at**
 - **CPRI, Bangalore**
 - **ERDA Laboratories, Baroda**
 - **ASKIB ENGINEERS, Kolkata**
 - **RAILWAYS**
- **For conforming global industry norms and international standards such as:**
 - **ISO 9001-2008**
 - **CE (European-Declaration of Conformity)**
 - **ISI (Indian Standards Institution)**



SUNNY Power Capacitors for Power Quality Solutions

Based on well proven technology with stacked winding, SUNNY Capacitors are especially developed for LV-PFC applications in industrial installations. The cost effective design offers a broad output range from 0.5 Kvar to 33 Kvar. The voltage range covers 230 VAC to 690 VAC.

APPLICATION:

1. Power Factor Correction
2. Automatic Capacitor Banks
3. Fixed PFC Application e.g. Motor Compensation
4. AC Power Electronics
5. Tuned and Detuned PFC Systems

FEATURES:

1. Compact Design in Cylindrical Aluminum Cans with Stud
2. Stacked Winding
3. Output Range 0.5...33 Kvar
4. Voltage Range 230...690VAC

SAFETY:

1. Self- healing Technology
2. Overpressure Disconnector

ELECTRICAL:

1. Upto 33 Kvar per capacitor for three phase applications
2. Long life expectancy upto 100.000h (at -250C to + 550C)
3. High Inrush Current withstand ability (Upto 200*IR)

MECHANICAL AND MAINTANANCE:

1. Reduced Mounting Cost, Easy Installation and Connection
2. Low Weight and Compact Volume
3. Maintenance-free

Technical Data and Limit Values – Standards IEC 60831 – Part 1&2, IS: 13340

1. Manufacturer's Name : YASH CAPACITORS PVT LTD.
2. Brand Name : “SUNNY”
3. Standards : IEC: 60831 Part 1 & 2 IS 13340 Part 1 & 2
4. Type : MKP Cylindrical
5. Rated Voltage : 230 - 690 Volts.
6. Rated Frequency : 50 / 60 Hz (+ / - 3%).
7. Max Continuous Over - Voltage : 10% Continuous. (As per IS)
8. Max Continuous Over - Current : 30% of rated current. (1.3 In)
9. Type of dielectric : Metallized Polypropylene
10. Losses (per KVAR) : 0.5 Watts / KVAR with resistors, 0.25 Watts/KVAR without resistors
11. Protection Class : IP 20
12. Cooling : Natural Air Cooled
13. Case : Extruded Aluminum Can
14. Discharge Device / Res. Volt. : Resistance 50 V in less than 60 secs
15. Terminal : Three Phase Terminal with electric shock protection (Finger Proof), design for up to 25 Sq. mm cable termination.
16. Execution : Indoor
17. Tolerance : + 10%
18. Test Voltage Terminal to Terminal : Type Test – 2.15 UN for 10 Sec , Routine Test – 2.15 UN for 2 Sec
19. Test Voltage Terminal to Casing : 3 KV for 2 Secs
20. Temperature Category : -250C TO + 550 C (CLASS D)
21. Max Humidity : 95%
22. Grounding : M12 Stud at the Bottom of Case
23. Mounting Position : Vertical
24. Connection : 3 Phase Delta Connection (Single Phase On Request).
25. Protection Type : Dry Type, Self Healing, Internal Over Pressure Disconnecter

26. Impregnate :
Resin

Non PCB, Biodegradable Natural Oil, High Viscosity

27. Life Expectancy :

> 1,00,000 h for Standard Duty

> 1,50,000 h for Heavy Duty

> 2,00,000 h for Super HD

ORDERING INFORMATION

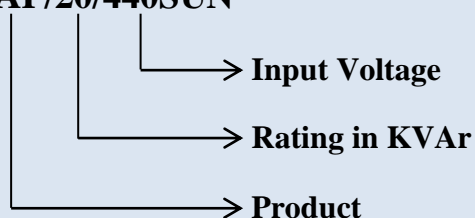
| Part No. | Rated (Kvar) | Current In (Amp) | CR μ F | Dimensions D*H | Stud Screw |
|--|--------------|------------------|------------|----------------|------------|
| HEAVY DUTY CAPACITORS - CYLINDRICAL TYPE (3 Phase, 415VAC, 50Hz) | | | | | |
| CAP/01/415SUN | 1 | 1.4 | 3x6.16 | 45x160 | M12 |
| CAP/1.5/415SUN | 1.5 | 2.1 | 3x9.24 | 45x160 | M12 |
| CAP/02/415SUN | 2 | 2.8 | 3x12.32 | 50x150 | M12 |
| CAP/2.5/415SUN | 2.5 | 3.5 | 3x15.40 | 50x150 | M12 |
| CAP/05/415SUN | 5 | 7 | 3x30.80 | 63x200 | M12 |
| CAP/06/415SUN | 6 | 8.8 | 3x36.96 | 68x200 | M12 |
| CAP/7.5/415SUN | 7.5 | 10.4 | 3x46.20 | 68x200 | M12 |
| CAP/10/415SUN | 10 | 13.9 | 3x61.60 | 75x200 | M12 |
| CAP/12.5/415SUN | 12.5 | 17.4 | 3x77 | 85x200 | M12 |
| CAP/15/415SUN | 15 | 20.9 | 3x92.40 | 75x278 | M12 |
| CAP/20/415SUN | 20 | 27.8 | 3x123.20 | 85x278 | M12 |
| CAP/25/415SUN | 25 | 34.8 | 3x154.00 | 100x278 | M12 |
| CAP/30/415SUN | 30 | 42 | 3x184.80 | 116x278 | M12 |
| HEAVY DUTY CAPACITORS - CYLINDRICAL TYPE (3 Phase, 440VAC, 50Hz) | | | | | |
| CAP/01/440SUN | 1 | 1.31 | 3x5.48 | 45x160 | M12 |
| CAP/02/440SUN | 2 | 2.62 | 3x10.96 | 50x150 | M12 |
| CAP/03/440SUN | 3 | 3.93 | 3x16.44 | 57x150 | M12 |
| CAP/04/440SUN | 4 | 5.24 | 3x21.92 | 63.5x150 | M12 |
| CAP/05/440SUN | 5 | 6.55 | 3x27.4 | 63.5x200 | M12 |
| CAP/06/440SUN | 6 | 7.86 | 3x32.88 | 68x200 | M12 |
| CAP/07/440SUN | 7 | 9.17 | 3x38.36 | 68x200 | M12 |
| CAP/7.5/440SUN | 7.5 | 9.83 | 3x41.1 | 75x200 | M12 |
| CAP/08/440SUN | 8 | 10.48 | 3x43.84 | 75x200 | M12 |
| CAP/10/440SUN | 10 | 13.10 | 3x54.8 | 85x200 | M12 |

| | | | | | |
|--|------|-------|----------|---------|-----|
| CAP/12.5/440SUN | 12.5 | 16.38 | 3x68.5 | 90x200 | M12 |
| CAP/15/440SUN | 15 | 19.65 | 3x82.2 | 85x278 | M12 |
| CAP/20/440SUN | 20 | 26.20 | 3x109.6 | 90x278 | M12 |
| CAP/25/440SUN | 25 | 32.75 | 3x137 | 100x278 | M12 |
| CAP/30/440SUN | 30 | 39.30 | 3x164.4 | 116x278 | M12 |
| CAP/33.1/440SUN | 33.1 | 43.36 | 3x181.40 | 116x278 | M12 |
| HEAVY DUTY CAPACITORS - CYLINDRICAL TYPE (3 Phase, 480VAC, 50Hz) | | | | | |
| CAP/10/480SUN | 10 | 12 | 3x46.04 | 85x200 | M12 |
| CAP/15/480SUN | 15 | 18 | 3x69 | 90x200 | M12 |
| CAP/20/480SUN | 20 | 24 | 3x92.40 | 85x278 | M12 |
| CAP/25/480SUN | 25 | 30 | 3x115 | 90x278 | M12 |
| CAP/30/480SUN | 30 | 36 | 3x138 | 100x278 | M12 |
| HEAVY DUTY CAPACITORS - CYLINDRICAL TYPE (3 Phase, 525VAC, 50Hz) | | | | | |
| CAP/10/525SUN | 10 | 11 | 3x38.5 | 75x200 | M12 |
| CAP/15/525SUN | 15 | 16.5 | 3x57.75 | 75x278 | M12 |
| CAP/20/525SUN | 20 | 22 | 3x77 | 85x278 | M12 |
| CAP/25/525SUN | 25 | 27.5 | 3x96.25 | 90x278 | M12 |
| CAP/30/525SUN | 30 | 33 | 3x115.50 | 100x278 | M12 |
| CAP/33/525SUN | 33 | 36.3 | 3x127.05 | 100x278 | M12 |
| HEAVY DUTY CAPACITORS - CYLINDRICAL TYPE (3 Phase, 690VAC, 50Hz) | | | | | |
| CAP/10/690SUN | 10 | 8.37 | 3x22.29 | 75x200 | M12 |
| CAP/15/690SUN | 15 | 12.6 | 3x33.45 | 85x200 | M12 |
| CAP/20/690SUN | 20 | 16.8 | 3x44.60 | 90x200 | M12 |
| CAP/25/690SUN | 25 | 21 | 3x55.75 | 100x200 | M12 |
| CAP/30/690SUN | 30 | 25.2 | 3x66.90 | 100x200 | M12 |

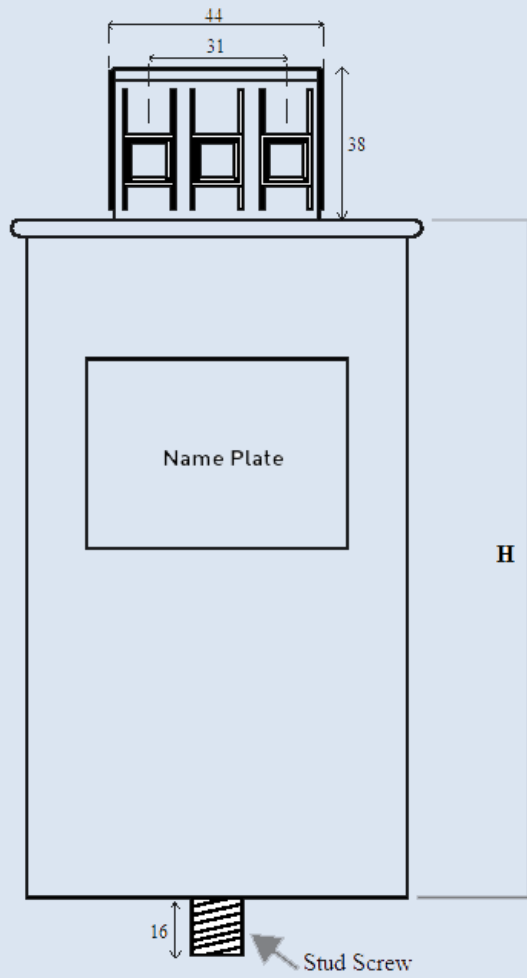
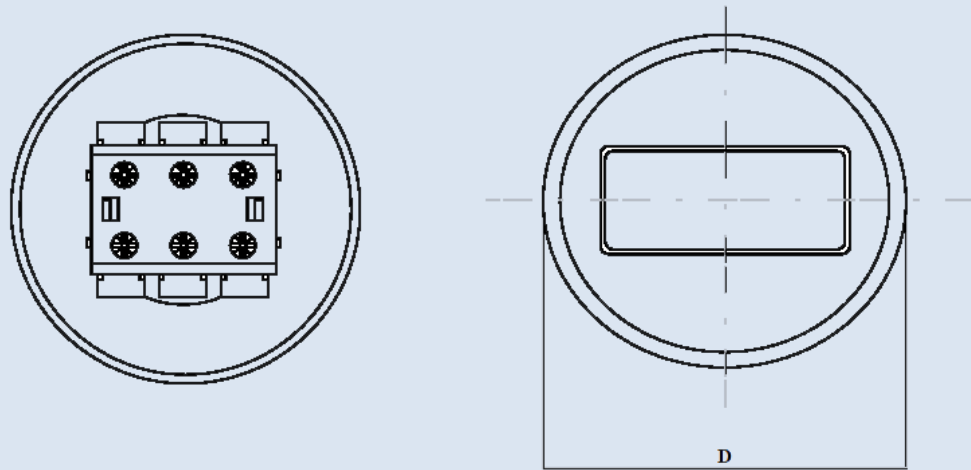
- We offer customised capacitors as per customer requirement.
- Dimensions are subject to change, prior intimation will be given to customer in advance.
- Rating 10 Kvar and above will be available with intergrated discharge resistors.

PART NUMBER INDEX

CAP/20/440SUN



CASE DIMENSIONS



Please see the Ordering Information for the Dimension D, H and Stud Screw size.