



BUILT FOR **PERFORMANCE** IN THE LONG RUN



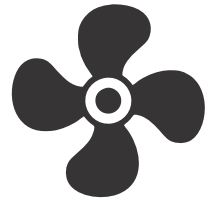
Capacitors
CP-01 v1
1st July 2021

.pressfit®

Capacitors



Quality. Convenience. Comfort.



Fan Capacitors

Electric fans use a single-phase motor to blow the air. But they are not self-starting motors as the torques produced by the windings cancel out. Hence, they require an external force to align the cancelling torques into net-non-zero torque and put the fan in motion.

A fan capacitor stores energy and provides extra power for the fan motors when they are running. Since a fan is expected to be operated just at the push of a button, we have to use a continuous rating capacitor in series with its auxiliary winding, which stays energized as long as the fan runs. Pressfit's Capacitors are designed for continuous duty with minimum capacitance droppage - decreasing the energy cost and also increasing the life span of the fan motor.

Salient Features

- No Capacitance Loss over many years of running – ensuring extra and consistent air delivery
- Made with the latest technology of heavy-edge metallized film – ensuring a long running life
- Same efficiency over a wide range of temperatures and humidity
- Maintenance-free Operation
- Self-Healing Properties
- High Insulation Resistance
- No Leakage of Oil from the oil-filled capacitors
- Low Dissipation Factor
- Ultra-compact and economic design



Fan Capacitor

Dry Type - Poly Propylene Can		
Code	MFD	Can Size mm (D x L)
977000	2.00	27 x 52
977010	2.25	27 x 52
977020	2.50	27 x 52
977030	3.15	27 x 52
977040	4.00	27 x 52

Warranty: 1 Year



Oil Fan Capacitor

Oil Type - Aluminium Can		
Code	MFD	Can Size mm (D x L)
977300	2.00	28 x 55
977310	2.25	28 x 55
977320	2.50	28 x 55
977330	3.15	28 x 55
977340	4.00	28 x 55

Warranty: 1 Year



Super Fan Capacitor

Dry Type - Poly Propylene Can		
Code	MFD	Can Size mm (D x L)
977250	2.00	27 x 52
977260	2.25	27 x 52
977270	2.50	27 x 52
977280	3.15	30 x 52
977290	4.00	30 x 52

Warranty: 2 Years

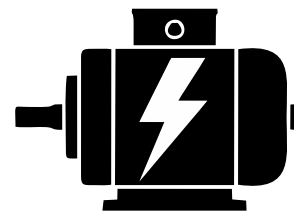
Technical Specifications

Standards	IS:1709 (1984)
Capacitance Range	2.5 - 4 MFD
Rated Voltage	440V
Rated Frequency	50/60 Hz
Operating Temperature Range	-25°C to +85°C
Power Factor / Tangent Loss Angle	< 0.002
Capacitance Tolerance	± 5%
Insulation Voltage Between Terminals	1.5 x Rated AC Voltage
Insulation Voltage Between Case & Terminals	2000 VAC
Polarity	Can be connected either way
Safety Class	P0
Terminals	Flexible Wire Types

Special Notes:

1. Self-Extinguishing, Fire-Retardant PP Cans Available on Request for Volume Orders
2. Other Capacitance Values, Can Sizes Available on Request for Volume Orders





Motor Start Capacitors

A Start Capacitor's name is self-explanatory. It is used to store and provide energy that generates the initial torque sufficient to start a motor. A start capacitor stays in the circuit long enough to rapidly bring the motor up to a predetermined speed (usually ~75% of the full speed) and is then taken out of the circuit. That is often done using a centrifugal switch that releases at that speed. Afterward, the motor works more efficiently with a Motor Run Capacitor. Without a Start Capacitor, when the voltage is applied, the motor would just hum.

Salient Features

- Made with the latest technology of heavy-edge metallized film – ensuring a long running life
- Ability to withstand Voltage Fluctuations in Submersible Pump Motors
- Suitable for Panel Box Mounting
- Works with equivalent efficiency over a wide range of temperatures and humidity
- Minimal dissipation factor means lower power loss – saving electricity expenses
- IP53 Rated Case
- Longer Working Life
- Higher Insulation Resistance
- Maintenance-Free Operation
- Ultra-compact and economic design

Motor Start Capacitor - 250V

Dry Type - Poly Propylene Can			
Code	MFD	Range	Can Size mm (D x L)
977410	30	40-60	35 x 70
977420	45	60-80	35 x 94
977430	60	80-100	40 x 94
977440	72	100-120	40 x 94
977450	90	120-150	45 x 94
977460	105	150-200	50 x 94
977470	120	200-250	50 x 94

Warranty: 1 Year

Technical Specifications

Capacitance Range	30 MFD - 120 MFD
Rated Voltage	250V
Rated Frequency	50 / 60 Hz
Operating Temperature Range	-25 °C to +85 °C
Capacitance Tolerance	± 5%
Insulation Voltage between Terminals	2 x Rated Voltage AC
Insulation Voltage between Case & Terminals	2000 VAC
Polarity	Can be connected either way
Safety Class	P0
Terminals	Flexible Wire Type





Motor Run Capacitor

Some single-phase AC electric motors require a Run Capacitor to energize the second-phase winding (auxiliary coil) to create a rotating magnetic field while the motor is running. Unlike Start Capacitors, Motor Run Capacitors are designed for continuous duty while the motor is powered and are energized throughout.

It is very important to choose the right run capacitor because in the case of a wrong capacitor, the motor will have an uneven magnetic field. As a result, the motor will make noise, use more energy, deliver reduced performance, and get overheated.

Salient Features

- Made with the latest technology of heavy-edge metallized film – ensuring a long running life
- Ability to withstand Voltage Fluctuations in Submersible Pump Motors
- Suitable for Panel Box Mounting
- Works with equivalent efficiency over a wide range of temperatures and humidity
- Minimal dissipation factor means lower power loss – saving electricity expenses
- IP53 Rated Case
- Longer Working Life
- Higher Insulation Resistance
- Maintenance-Free Operation
- Ultra-compact and economic design



**Motor Run
Capacitors - 440V**

Dry Type - Poly Propylene Can			Dry Type - Poly Propylene Can		
Code	MFD	Can Size mm (D x L)	Code	MFD	Can Size mm (D x L)
977610	6	30 x 57	977680	30	45 x 94
977620	8	30 x 57	977690	36	45 x 94
977630	10	35 x 70	977700	40	45 x 94
977640	12.5	35 x 70	977710	45	45 x 94
977650	15	35 x 70	977720	50	50 x 93
977660	20	40 x 70	977730	60	50 x 118
977670	25	45 x 70	977740	72	50 x 118

Warranty: 1 Year



**Submersible Pump
Panel Capacitors - 250V**

Dry Type - Poly Propylene Can		
Code	MFD	Can Size mm (D x L)
977670	25	35 x 94
977690	36	45 x 94
977720	50	45 x 94
977730	60	45 x 94
977740	72	50 x 93

Warranty: 1 Year

Technical Specifications

Standards	IS:2993 (1998)
Capacitance Range	6 MFD - 72 MFD
Rated Voltage	250V / 440V
Rated Frequency	50 / 60 Hz
Operating Temperature Range	-25 °C to +85 °C
Capacitance Tolerance	± 5%
Insulation Voltage between Terminals	2 x Rated Voltage AC
Insulation Voltage between Case & Terminals	2000 VAC
Polarity	Can be connected either way
Safety Class	P0
Terminals	Flexible Wire Type





Low Dissipation Factor

Dissipation factor refers to the inefficiency of an insulating material in holding energy. With a lower dissipation factor, Pressfit Capacitors reduce the power loss to the minimum and save electricity.



IP53 Protected Case

The capacitor cans are rated IP53 and are well-protected against the ingress of dust and liquids – preventing any performance impact.



Longer Working Life

Zero Loss of Capacitance during operations and protective resin stuffing results in a much longer working life.



Superior Air Delivery

With quality internal parts and fine workmanship, Pressfit capacitors support higher and more uniform air blowing.



Higher Tolerance

Made with virgin polypropylene, the capacitors have higher tolerance to extreme temperatures, humidity, weather, etc.



Leak-Proof Compact Design

The oil-filled capacitors have a leak-proof compact design – meant for clean and maintenance-free operations.



Self-Healing, Metallized Film

When a breakdown occurs, the thin metallic layer around the fault area evaporates by arcing. This removes the conductive metal layer in the area around the defect preventing a short circuit between the plates and a component failure.

.pressfit[®]

SFT1[™]
CIRCUIT BREAKERS

Protect What's Valuable





35 Years of Quality Solutions

We continuously upgrade our products and technology to provide our customers with the best experience. Due to this, the product design, specifications, or packaging, may change without prior notice.

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