



**VAIBHAV INDUSTRIES**

# CATALOG 2025-2026

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# OUR PRODUCT RANGE

- **HEAVY DUTY MOTOR**
- **AIR COOLER MOTOR**
- **GEC MOTOR**
- **EXHAUST**
- **HI SPEED MOTOR**



# OUR PRODUCT RANGE

- **Fan Capacitor (IS : 1709)**
  - **Motor Run Capacitor (IS : 2993)**
  - **Fluorescent & Discharged lamp Capacitor (IS : 1569)**
  - **Power (Shunt) capacitor 3&6 Terminal (IS-13340)**
  - **Capacitor for C.V.T & U.P.S.**
  - **Electrolytic Motor Start Capacitor 20-40mfd. to 400-500mfd.**
  - **MPP Motor Start Capacitor**
  - **Dual Capacitor (For Air-Conditioner, Washing Machine)**
  - **M.S. Box Capacitor (For Agriculture Sector)**
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## WINDING

Winding / Elements are produced in Air Conditioned, dust free humidity controlled winding room. These capacitors are manufactured out of trilayer Metallised polypropylene Film with heavy Reinforced Edges; to provide excellent bonding between the electrode and spray. Heavy edge has high current carrying capacity and with stands electromechanical stresses caused by switching surges better

## SELF HEALING

When a breakdown occurs at a weak point in the dielectric, an arc is struck between two adjacent metal coating. The metal coating in the immediate vicinity of the puncture evaporates very quickly and, in doing so, extends the length of the arc. Both the impregnating agent and a tiny part of the dielectric also decompose in this arc, and a zone of high gas-pressure is formed, which forces the metal vapor away from the surface of the coating thus preventing condensation in the immediate vicinity of the puncture.

This rise in pressure and the rapid increase in the length of the arc cause fast de-ionization at the point of puncture. ensuring that the short-circuit current is generally interrupted within 5-10 microseconds irrespective of the amount of energy which is available. Apart from a small puncture no other damage occurs to the dielectric whatsoever, And owing to the metal-free zones which form in the immediate vicinity of the puncture. the insulation level of the dielectric of the capacitor is instantly restored to its full value.

## TESTING LABORATORY

Testing facilities for conducting all routine test as per relevant BIS specification are available. We at FALCON capacitor has installed a fully automatic testing system / equipments to test capacitors up to 880 VAC between terminals, capacitance measurement and Tan-Delta all these tests are carried through automatic Instruments, there by eliminating human error and achieving '0' defect product in addition, the following type tests are carried out at our works. Tests for capacitance measurement, sealing test, voltage test, visual examination, endurance test Etc.



# GEC MOTOR

<b>STATOR LAMINATION</b>	<b>CRC</b>
<b>STATOR DIA</b>	<b>90</b>
<b>POLE</b>	<b>4</b>
<b>STATOR SIZE IN MM</b>	<b>55MM</b>
<b>WATT</b>	<b>180W</b>
<b>VOLTAGE</b>	<b>230V</b>
<b>SLOTS</b>	<b>24</b>
<b>WINDING</b>	<b>COPPER</b>
<b>SPEED</b>	<b>3</b>
<b>BEARING</b>	<b>6201</b>



# HEAVY DUTY MOTOR

<b>STATOR LAMINATION</b>	<b>CRC , HI PERM</b>
<b>STATOR DIA</b>	<b>139</b>
<b>STATOR SIZE IN MM</b>	<b>38 , 44 , 50 , 70</b>
<b>WATT</b>	<b>180W</b>
<b>VOLTAGE</b>	<b>230V</b>
<b>SLOTS</b>	<b>36</b>
<b>POLE</b>	<b>4</b>
<b>WINDING</b>	<b>ALM / COPPER</b>
<b>SPEED</b>	<b>3</b>
<b>BEARING</b>	<b>6201</b>



# EXHAUST MOTOR

<b>STATOR LAMINATION</b>	<b>CRC , HI PERM</b>
<b>STATOR DIA</b>	<b>127 / 120</b>
<b>STATOR SIZE IN MM</b>	<b>32 , 35 , 38 , 42 , 44</b>
<b>WATT</b>	<b>180W</b>
<b>VOLTAGE</b>	<b>230V</b>
<b>SLOTS</b>	<b>24 / 36</b>
<b>POLE</b>	<b>4</b>
<b>WINDING</b>	<b>ALM / COPPER</b>
<b>SPEED</b>	<b>3</b>
<b>BEARING</b>	<b>6201</b>



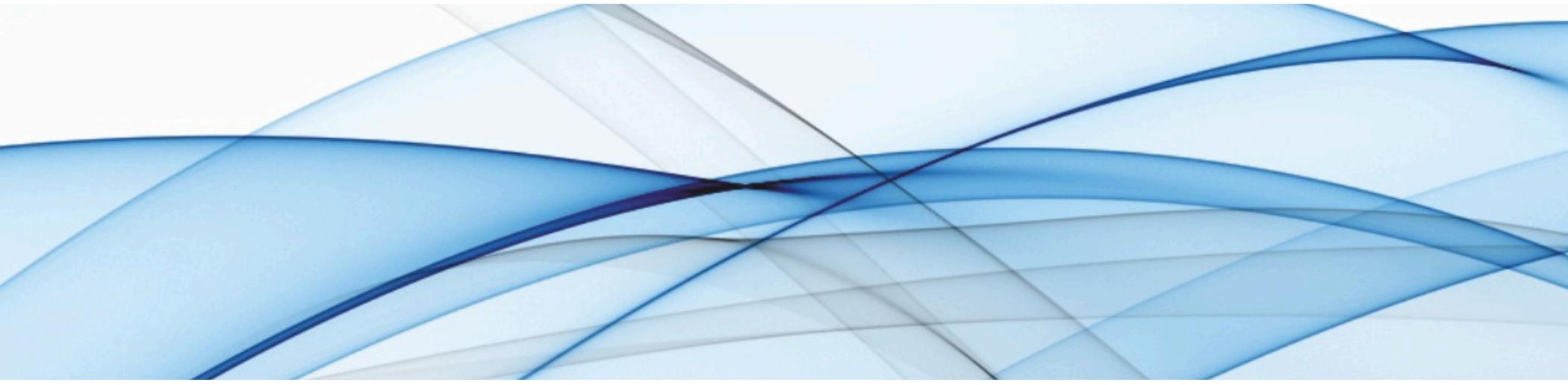
# HI SPEED MOTOR

STATOR LAMINATION	CRC , HI PERM
STATOR DIA	89
STATOR SIZE IN MM	19 , 25
WATT	75W
VOLTAGE	230V
SLOTS	24
POLE	2
WINDING	ALM / COOPER
SPEED	3
RPM	2350 - 2400
BLADE	9" AND 12" ( ABS AND PP )



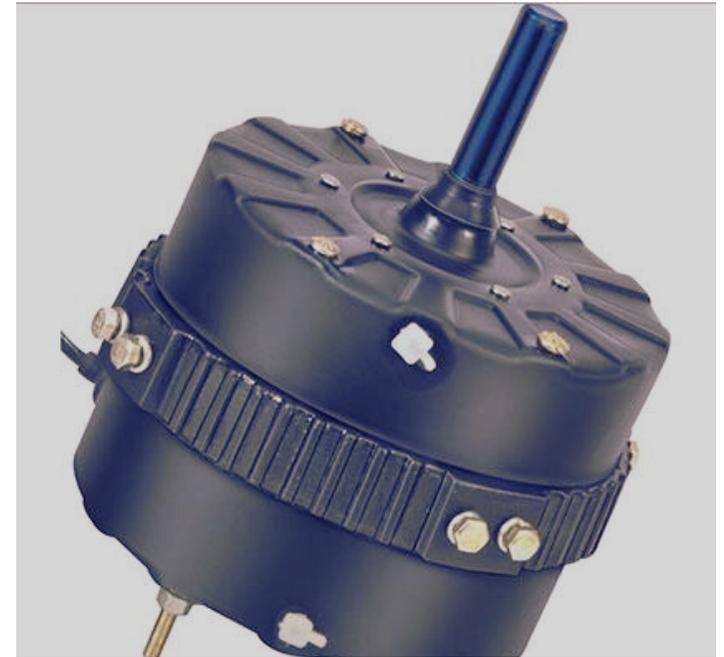
# AIR COOLER MOTOR

<b>STATOR LAMINATION</b>	<b>CRC , HI PERM</b>
<b>STATOR DIA</b>	<b>110</b>
<b>STATOR SIZE IN MM</b>	<b>19 , 22 , 25 , 28 , 32 , 44</b>
<b>WATT</b>	<b>105W</b>
<b>VOLTAGE</b>	<b>230V</b>
<b>SLOTS</b>	<b>24</b>
<b>POLE</b>	<b>4</b>
<b>WINDING</b>	<b>ALM / COPPER</b>
<b>SPEED</b>	<b>3</b>
<b>WINDING</b>	<b>ALM / COPPER</b>
<b>BLADE USED</b>	<b>16"</b>
<b>LEAD</b>	<b>4 CORE ( GUAGE 14X36)</b>



# AIR COOLER MOTOR

<b>STATOR LAMINATION</b>	<b>CRC , HI PERM</b>
<b>STATOR DIA</b>	<b>127</b>
<b>STATOR SIZE IN MM</b>	<b>19 , 22 , 25</b>
<b>WATT</b>	<b>105W</b>
<b>VOLTAGE</b>	<b>230V</b>
<b>SLOTS</b>	<b>24</b>
<b>POLE</b>	<b>4</b>
<b>WINDING</b>	<b>ALM / COOPER</b>
<b>SPEED</b>	<b>3</b>
<b>BLADE</b>	<b>16"</b>



# FAN AND MOTOR RUN CAPACITOR

## GENERAL TECHNICAL DATA

Dielectric	:	Polypropylene
Electrode	:	Zinc Alloy
Winding	:	Non inductive
Ref. Standard	:	ICE/ISS
Fan Motor IS 1709		
Motor Run IS 2993		

## ELECTRICAL CHARACTERISTICS

Capacitance Range	:	0.68 MFD to 108 MFD
Capacitance Tolerance	:	±5%
Rated Voltage	:	250V AC, 440V AC
Dissipation Factor	:	0.001 Max typical value 0.0005 at 1 KHz
Test Voltage	:	2x rated voltage
Storage Temp	:	-25°C to +85°C

AC Fan & Motor Run Capacitors are manufactured in there most sophisticated plant having stringent quality control standard's to serve its users with the most cost effective and highest quality capacitor. These capacitors are suitable for FHP Motor, Compressors of Air-Conditioners, Deep - Freezers, Vacuum pumps etc.

# AC ELECTROLYTIC MOTOR START CAPACITOR



## TECHNICAL SPECIFICATION :

Capacitance Range	:	20 to 500 MFD.
Temperature Range	:	-30 C/+70 C
Rated Voltage Range	:	230V
Surge Voltage Range	:	275V
Power Factor	:	8% Max at 50 Cycle/Sec. and Rated voltage
Duty Cycle	:	20 Start per hour Max Each start not more than 3 seconds
Insulation Voltage	:	with stand minium 2000V/3 Min between terminal-to-Case
Shelf Life	:	One Year

# DUAL CAPACITOR

## DUAL CAPACITOR

### FEATURES

This capacitor takes high vacuum multilayer metalized film as dielectric, coiled by high speed Winding Machines and use Impregnation of castor oil or Jelly for refining at a high temperature vacuum processing make it high performance Capacitor, increase stability and security, & anti explosion

### USAGE

This product is Suitable for home appliances like

- Air - Conditioner
- Freezers
- Washing Machine

### TECHNICAL SPECIFICATIONS

Temperature Range	-40/85/21 = Minimum permissible temp.: 40 °C, Maximum permissible temp.: +85 °C.
Tolerance	± 5
Dissipation factor	Tan <0.002
Rated Frequency	50/60 Hz
Rated Voltage	440V
Capacitance	1.5/10 uF ~ 15/80 uF
Case Material	Aluminium

High Insulation Resistance
Fault Current : 10000 AFC
Self Healing

# FLUORESCENT AND DISCHARGED LAMP CAPACITOR

## GENERAL TECHNICAL DATA

Dielectric	:	Polypropylene
Electrode	:	Zinc Alloy
Winding	:	Non inductive
Ref. Standard	:	ICE/ISS

Fluorescent & Discharge Lamp Capacitor IS 1569

## ELECTRICAL CHARACTERISTICS

Capacitance Range	:	3.00 MFD to 42 MFD
Capacitance Tolerance	:	±10%
Rated Voltage	:	250V AC
Dissipation Factor	:	0.001 Max typical value 0.0005 at 1 KHz
Test Voltage	:	2x rated voltage
Storage Temp	:	-10°C / +85°C

# POWER SHUNT CAPACITOR

L.T. (Shunt) Capacitor are used to improve the Power factor of an electrical system resulting in more efficient utilisation of electrical energy. In sort power capacitor is essentially a power saver

Motor HP	Capacitor Rating in KVAR When Motor Speed is (RPM)						Motor HP	Capacitor Rating in KVAR When Motor Speed is (RPM)					
	3000	500	1000	750	600	500		300	1500	1000	750	600	500
2.5	1	1	1.5	2	2.5	2.5	40	9	10	13	15	19	21
5	2	2	2.5	3.5	4	4	42.5	9.5	11	14	16	20	22
7.5	2.5	3	3.5	4.5	5	5.5	45	10	11.5	14.5	16.5	21	23
10	3	4	4.5	5.5	6	6.5	47.5	10.5	12	15	17	22	24
12.5	3.5	4.5	5	6.5	7.5	8	50	11	12.5	16	18	23	25
15	4	5	6	7.5	8.5	9	55	12	13.5	17	19	24	26
17.5	4.5	5.5	6.5	8	10	10.5	60	13	14.5	18	20	26	28
20	5	6	7	9	11	12	65	14	15.5	19	21	27	29
22.5	5.5	6.5	8	10	12	13	70	15	16.5	20	22	28	31
25	6	7	9	10.5	13	14.5	75	16	17	21	23	29	32
27.5	6.5	7.5	9.5	11.5	14	16	80	17	19	22	24	30	34
30	7	8	10	12	15	17	85	18	20	23	25	31	35
32.5	7.5	8.5	11	13	16	18	90	19	21	24	26	32	37
35	8	9	11.5	13.5	17	19	95	20	22	25	27	33	38
37.5	8.5	9.5	12	14	18	20	100	21	23	26	28	34	40

## TECHNICAL SPECIFICATION :

Capacitor Type	:	Power Shunt
Conforming to	:	IS 13340 -1993
Rated Out Put	:	1KVAR to 25KVAR+Banking
Rated Voltage	:	415, 440VAC
Rated Frequency	:	50Hz/60Hz
Temperature	:	-25 C /+55 C
Connection	:	3Phase/3T Delta
Insulation Level	:	> 100mgha 2.2 K.V.
Loss Angel at R.V.	:	<0.25%
Dielectric	:	MPP(SH)
Discharge Device	:	3 Fitted < 50V with in 60 sec.
Tolerance On Capacitance	:	-5%to+10%
Installation	:	Indoor
humidity	:	Max 95%

## WELDING TRANSFORMERS :

KVA RATING OF TRANSFORMER	REQUIRED CAPACITOR RATING IN KVAR
9	4
12	6
18	8
24	12
30	15
36	18
57	25
95	45
128	50
160	75

