

FARMOTEX

Power Solutions for All

FARMOTEX Applications



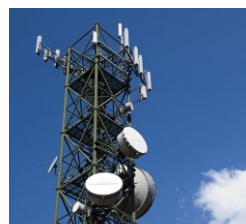
CNC Machines



Biomedical Equipments



Printing Machines



Telecommunication



Textile Equipments



Food Equipments

ABOUT US

Farmotex is a leading Manufacturer of Servo Voltage Stabilizers and Isolation Transformers in Bangalore, Karnataka, India. Our products are well appreciated all over the world and received much recognition for their quality.

Farmotex value driven culture ensures that the work environment is open, transparent and oriented towards delivering value and excellence to the clients. The key to an open and employee- centric work culture is 'employee listening'.

SERVO STABILIZER - OIL COOLED



Technical Specifications

CAPACITY	: 1 KVA – 25 KVA 1PH – Air Cooled
	: 3 KVA – 100 KVA 3PH – Air Cooled
	: 100 KVA – 1500 KVA 3PH – Oil Cooled
INPUT VOLTAGE	: 170V – 270V AC 1PH
	: 295V – 465V AC 3PH
	: 360V – 480V AC 3PH
OUTPUT VOLTAGE	: 220V / 230V AC 1PH
	: 380V / 400V / 415V AC 3PH
OUTPUT VOLTAGE REGULATION	: + 1% at No-Load to Full-Load.
OPERATING FREQUENCY	: 47 Hz – 53 Hz
SYSTEM OPERATION	: Un-Balanced 4 Wires
SPEED OF CORRECTION	: 35V/Sec – Phase to Neutral
WAVE FORM DISTORTION	: Nil
OUTPUT WAVE FORM	: True Reproduction of Input
INSULATION	: CLASS – B, F & H
OPERATING TEMPERATURE	: 0° C - 45° C Ambient
CONSTRUCTION	: IS-9815
OVER LOAD CAPACITY	: 120% for 10 Min
SHORT CKT PERIOD & PERCENTAGE	: 300% for 250 m.sec

SERVO STABILIZER - AIR COOLED



Salient Features

- ▶ Solid State Control Circuit for high reliability
- ▶ In house Manufacturing of Transformers ensures Quality Product Output
- ▶ In line Production Quality Control
- ▶ Every Unit is Soak Tested for 48 Hrs to ensure trouble free operation
- ▶ Quick Response time – 10 m.sec
- ▶ AC Synchronous Motor for High Reliability
- ▶ Reputed make ICs & Components are used for high reliability
- ▶ All Transformers are Vacuum Impregnated
- ▶ Rigid Construction
- ▶ Programmable Digital Control Circuit,
- ▶ Digital Meter to read input & output – voltage & current,
- ▶ State of the art Fabrication

ISOLATION TRANSFORMERS



Technical Specifications

CAPACITY	: 1KVA 25KVA 1PH
	: 3KVA 75KVA 3PH [Air Cooled]
	: 75KVA 500KVA 3PH [Oil Cooled]
PRIMARY VOLTAGE	: 200/220V 1PH AC
	: 380/400/415V 3PH AC
SECONDARY VOLTAGE	: 110/230V 1PH
	: 220/380/400/415V 3PH
SYSTEM	: Delta / Star
	: Star / Star
RATIO	: 1:1 'OR' 2:1
REGULATION	: ≤ 3.5%
SPEED OF CORRECTION	: 35V/Sec Phase to Neutral
POWER FACTOR	: 0.75 Lead to 0.75 Lag
DIE ELECTRIC STRENGTH	: 3KV for 60 Sec
INSULATION RESISTANCE	: ≥ 1000 MΩ
COUPLING CAPACITANCE	: 0.01 PF
LEAKAGE CURRENT	: < 20 Micro Amps
COMMON MODE ATTENUATION	: 100Db / 120Db
STANDARD	: IS-2026 Part I & II
CONSTRUCTION TYPE	: Close / Open
OPERATING TEMPERATURE	: 0°C - 45°C Ambient
TYPE OF COOLING	: Natural Air / Forced Air

'K' RATED ISOLATION TRANSFORMERS



Technical Specifications

KVA rating	up to 750 KVA
Impedance	3-4%
Input voltage	415 volts (other voltage on request)
Output voltage	415/200 volts (other voltage on request)
Input and output configuration	Delta/Star or Zig-Zag
Construction	Dry type wound, air cooled, common core, varnished & vacuum impregnated
Windings copper	
Neutral conductor rating	: 200%
Frequency	: 50/60HZ
Insulation class/level	: H/180 deg C
Maximum temperature rise	: 125 deg C
Enclosure type	: M.S. Enclosure as per IP21
Enclosure finishes	: Siemens grey, RAL 7035 (other colors available on request)
Flash test/H.V test	: 2500volts between winding to winding and winding to earth
Ambient temperature	: 0 to +45deg C
Operating humidity	: 0 to 90% non condensing

Special Features

- ▶ Copper windings
- ▶ LOWER Output impedance
- ▶ Excellent transverse mode noise attenuation
- ▶ Coil design is optimized for low eddy current loss and high harmonics current carrying capacity
- ▶ Cores designed for reduced flux densities to compensate for harmonics voltage distortion
- ▶ Double size neutral terminal
- ▶ Core of high quality electrical steel
- ▶ Quiet operation

Applications

- ▶ Data Centers, Call Centers, IPO
- ▶ Induction Heaters /Inverters
- ▶ UPS, VFD'S & Drives
- ▶ HID Lightnings
- ▶ Hospital/Medical Centers, Research Labs
- ▶ Corporate, Banking & financial institutions



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