



ISO 14001:2004 &
ISO 9001:2008 Co.

Automatic Servo Controlled AC Voltage Stabilizer

‘Hindustan Power Products (P) Ltd’.

Technical Specifications - Model SVS32A310

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|----------------------------|--|
| Rating | : 10kVA (10kW at unity power factor), 3 Phase |
| Output Current | : 14.40 Amps per phase |
| Input Voltage Range | : 320V to 460V, 47Hz to 53Hz, 4 Wire |
| Output Voltage | : 400V +/- 1% |
| Duty Cycle | : Continuous 24x7 |
| Waveform Distortion | : Nil |
| Response Time | : Less than 10ms |
| Suitability | : Suitable for all power factor loads |
| Cooling | : Natural Air Cooled |
| Class of Insulation | : B Class |
| Breakdown Strength & IR | : 1500V AC for 2 minutes. Greater than 50 Mega Ohms at 500V DC |
| Additional Facility | : Manual Operation |
| Installation | : Indoor type |
| Degree of Protection | : IP-30 |
| No Load Loss | : Less than 0.4% |
| Efficiency | : 98-99% |
| Applicable Standard | : IS 9815 |
| Type & Suitability | : Unbalanced Supply and Load. Suitable for 3 phase Unbalanced / Balanced Supply & Unbalanced/Balanced Load. : The unit consists of 3 nos. Single phase individually AC servo motor controlled units of 1/3rd of the total capacity connected in Star configuration. |
| Major Assembly | : 3 Nos. Copper Wound Variable Auto Transformers. : 3 Nos. Copper wound buck / boost Transformer. : 3 Nos. Heavy duty AC synchronous motor for individual phase correction. : 3 Nos. Control circuits for individual phase control. |
| Input / Output Termination | : On Brass studs / Connectors. |
| Winding & Wiring Material | : Copper EC grade (99.999% Pure) |
| Size in mm | : 500X400X900 |
| Weight in kg | : 93.00 |



Optional Features and Protections

- * Overload Cut-Off and Short Circuit Protection.
- * Low/High Voltage (out of input range) Alarm and/or Cut-Off.
- * Single Phase Prevention / Phase Reversal Alarm and/or Cut-Off.
- * Digital Multifunction Meter.

Salient Features

- * “IC” based solid-state, relay less, front-loading plug in control cards for easy online serviceability.
- * Output voltage adjustable $\pm 6\%$ of set voltage from front panel.
- * Meters on front panel for easy monitoring of input and output voltage along with limit indicators.
- * Provision for Auto / Manual control from the front panel.
- * Wide ambient temperature operation from -20°C to 50°C .