



# TESCOM AVR 33 SERIES

FULL AUTOMATIC  
AC SERVO VOLTAGE  
STABILISERS  
3 kVA-150 kVA

STABILIZERS



TESCOM Voltage regulators are servo drive structure, microcontroller controlled heavy duty devices which regulates mains voltage for critical loads.

SINGLE PHASE 100-110-115-120  
127-200-220-230-240-265-277 Volt

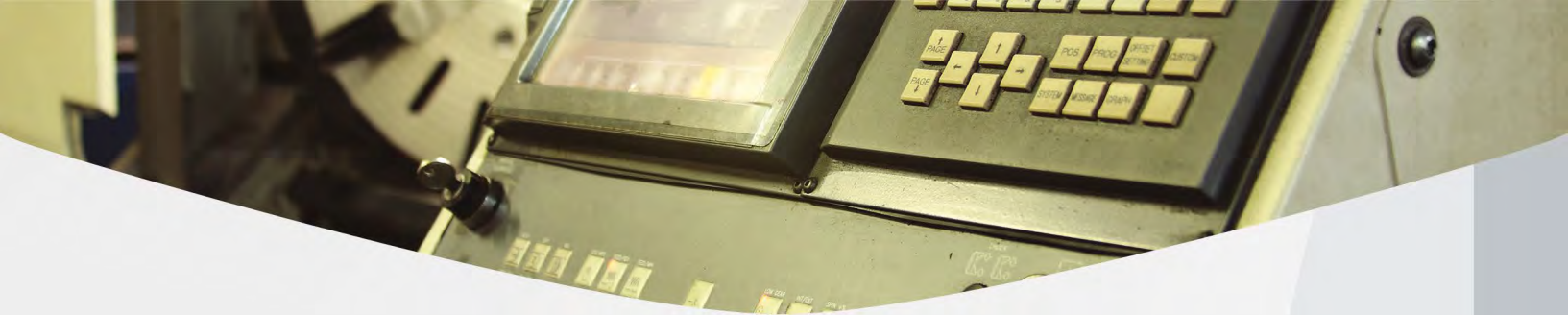
TRIPHASE 208-220-230  
240-380-400-415-440-460  
480-500 Volt

IP20, IP21, IP31, IP44, IP54,  
Versions Available

## TECHNICAL SPECIFICATIONS

Full Automatic  
Triphase  
3-150 kVA

- TESCOM AVR33 series (3-150 kVA)
- Three phase voltage stabilisers regulates mains voltage and brings many advantages.
- Non-linear charges drive
- 3 phase input 3 phase output
- Wide power and voltage interval
- Fast Regulation
- High reliability thanks to Microprocessor and Smart Driver
- High efficiency
- Load transfer to Bypass via pole charge switch
- Safe and economic usage
- Overcurrent and overload protection (Optional)
- Digitally displayed status, input & output measurements
- 2 years warranty
- 10 years spare parts support.



Technical Specifications

MODEL	33003	33006	33010	33015	33020	33030	33045	33060	33075	330100	330120	330150
<b>Power kVA</b>	<b>3</b>	<b>6</b>	<b>10,5</b>	<b>15</b>	<b>22,5</b>	<b>30</b>	<b>45</b>	<b>60</b>	<b>75</b>	<b>100</b>	<b>120</b>	<b>150</b>
<b>REGULATOR INPUT</b>												
<b>In.Vol.Correct.Interval</b>	275 - 450 VAC											
<b>In.Vol.Working Interval</b>	155 - 490 VAC											
<b>Operation Frequency</b>	47...65 Hz											
<b>Line Input Protection</b>	Overcurrent, Low and High voltage protection											
<b>REGULATOR OUTPUT</b>												
<b>Output Voltage</b>	400 VAC RMS ± %2											
<b>Overloading</b>	10 Sec. at 200% Load											
<b>Correction Speed</b>	~ 90 Volt / Sec.											
<b>Upturn Period</b>	~ 90 Volt / Sec. ( 160 VAC - 250 VAC )											
<b>Output Protection</b>	Protects load by opening the circuit when overburden, short circuit occurs.											
<b>WORKING PRINCIPLE</b>												
	Servo Motor, Microprocessor Controlled, Full Automatic											
<b>GENERAL</b>												
<b>Measured Value Monitor.</b>	TRUE RMS Panel Voltmeter (74x74 mm) output voltage and line voltage monitorization											
<b>Cooling</b>	Smart Fan System											
<b>Total Efficiency</b>	> % 96											
<b>Mechanical By-Pass</b>	"Manually Controlled Line - PAKO SWITCH Selects Voltage Regulator" Switch Turn On / Off											
<b>Protection Level</b>	IP 20 // IP 25											
<b>ENVIRONMENTAL</b>												
<b>Working Temperature</b>	-10 °C / 50 °C											
<b>Storage Temperature</b>	- 25 °C / +60 °C											
<b>Relative Humidity</b>	< % 90, ( DIN 40040 )											
<b>Working Altitude</b>	< 2000 m.											
<b>Acoustic Level</b>	< 50 dB ( 1 meter )											
<b>Documents</b>	CE / ISO9001 / ISO14001											
<b>DIMENSIONS (cm)</b>												
<b>HxWxD (cm)</b>	110 x 50 x 44				119 x 60 x 44		140 x 85 x 64			163 x 90 x 69		
<b>Weight (kg)</b>	55	65	120	135	154	183	237	330	356	456	545	565