



10,5 - 150 kVA

## TVR 33 SERIES

FULL AUTOMATIC VOLTAGE REGULATOR

### GENERAL SPECIFICATIONS

- Non-linear charges drive
- 3 phase input 3 phase output
- Wide power and voltage interval
- High reliability thanks to Microprocessor and Smart Driver
- Fast Regulation
- High efficiency
- Load transfer to Bypass via pole charge switch
- Safe and economic usage
- Overcurrent and overload protection
- Digitally displayed status, input & output measurements





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## TECHNICAL SPECIFICATIONS

MODEL	TVR 33010	TVR 33015	TVR 33022	TVR 33030	TVR 33045	TVR 33060	TVR 33075	TVR 33100	TVR 33120	TVR 33150	
Power kVA	10,5	15	22,5	30	45	60	75	100	120	150	
<b>REGULATOR INPUT</b>											
In.Vol.Correct.Interval	285 - 440 VAC (Optional: 190-415 VAC)										
Operation Frequency	47...65 Hz										
Line Input Protection	Overcurrent, Low and High voltage protection										
Current at input	16.8	24	36	48	72	96	120	161	192	240	
<b>REGULATOR OUTPUT</b>											
Output Voltage	380 / 400 / 415 VAC RMS $\pm$ 1 %										
Overloading	10 Sec. 200 % Load										
Correction Speed	~ 90 Volt / Sec.										
Upturn Period	~ 90 Volt / Sec. ( 160 VAC - 250 VAC)										
Output Protection	Protects load by opening the circuit when overburden, short circuit occurs.										
Current at output	12.6	18	27	36	54	72	90	121	144	180	
<b>GENERAL</b>											
Working Principle	Servo Motor, Microprocessor Controlled, Full Automatic										
Cooling	Smart Fan System										
Measured Value Monitor.	TESCOM TRUE RMS Panel Voltmeter (74x74mm) output voltage and line voltage monitorization										
Total Efficiency	> 96 %										
Mechanical By-pass	"Manually Controlled Line - PAKO Switch Selects Voltage Regulator" Switch Turn On / Off										
Protection Level	IP 20 // IP 54 (Optional)										
<b>ENVIRONMENTAL</b>											
Working Temperature	-10 °C / 50 °C										
Storage Temperature	-25 °C / + 60 °C										
Relative Humidity	< 90 %, DIN ( 40040 )										
Working Altitude	< 2000 m.										
Acoustic Level	< 50 dB (1m <sup>2</sup> )										
Standards	CE / ISO 9001										
<b>DIMENSIONS</b>											
HxWxD (cm)	117x40x64			127x40x64			140x88x60			165x94x66	
Weight (kg)	95	105	125	145	165	260	280	310	400	425	