



*200 - 3000 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 33200	TVR 33250	TVR 33300	TVR 33400	TVR 33500	TVR 33600	TVR 33800	TVR 331000	TVR 331250	TVR 331500	TVR 332000	TVR 332500	TVR 333000
Power kVA	200	250	300	400	500	600	800	1000	1250	1500	2000	2500	3000
<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	323	404	484	646	808	968	1292	1616	2020	2424	3232	4040	4848
<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	243	303	363	484	606	729	972	1215	1515	1818	2430	3030	3645
<b>GENERAL</b>													
Working Principle	Servo Motor, Microprocessor Controlled, Full Automatic												
Cooling	Smart Fan System												
Measured Value Monitor.	TRUE RMS Panel Voltmeter (74x74mm) output voltage and line voltage monitorization												
Total Efficiency	> 97 %												
Mechanical By-pass	"Manually Controlled Line - PAKO Switch Selects Voltage Regulator" Switch Turn On / Off												
Protection Level	IP 20												
<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	< 55 dB												
Standards	CE / ISO 9001												
<b>DIMENSIONS</b>													
HxWxD (cm)	200x120x80			200x175x80	175x180x122		208x210x144	185x210x214	208x240x214	188x240x264	208x240x264	Special	
Weight (kg)	1050	1100	1200	1650	2000	2100	2900	3450	3900	4300	6000	Special	