



TVR 33

10,5-150kVA

Microprocessor Control

Wide Voltage Range

High Protection



SERVICE /
TECH. SUPPORT



ECO FRIENDLY

90
V/S

CORRECTION
SPEED

1.0

POWER FACTOR



TVR 33 Series Servo Voltage Regulators provide safe energy for your loads in sites where your mains is irregular or where the power supply voltage is unstable, such as a generator. By keeping the voltage within certain tolerances, it offers full protection against the risk of damage caused by excessive fluctuations in voltage.

With separate microprocessor control for each phase, the necessary signals for the desired regulation are transmitted to the dc motor. The DC motor provides movement in the direction of adding or subtracting voltage for regulation on the variac to which it is mechanically connected. This supplied voltage is transferred to the differential auxiliary transformer (booster transformer). As a result, electronically controlled stable voltage is provided in the output voltage against voltage changes.

TVR 33 series with high correction speed, fully mechanical and electronic protection are offered in the power range of 10.5-250KVA with 3 phase input and 3 phase output.

GENERAL SPECIFICATIONS

- 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

TECHNICAL SPECIFICATIONS

MODEL	TVR 33010	TVR 33015	TVR 33022	TVR 33030	TVR 33045	TVR 33060	TVR 33075	TVR 33100	TVR33120	TVR 33150	
Power (kVA)	10,5	15	22,5	30	45	60	75	100	120	150	
GİRİŞ											
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	
OUTPUT											
Output voltage	380 VAC RMS \pm 1%										
Overloading	10 Sec. 200% Yük										
Correction speed	~ 90 Volt / Sec.										
Upturn period	~ 90 Volt / Sec. (275 - 430VAC)										
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	
GENERAL											
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 %										
Mechanic By-pass	Available										
Protection level	IP 20 // IP54 (Optional)										
ENVIRONMENTAL											
Operating temperature	-10°C / 50°C										
Storage temperature	-25°C / 60°C										
Relative humidity	< %90, DIN (40040)										
Altitude	< 2000 m.										
Acoustic level	< 50 dB (1m ²)										
Standards	CE / ISO 9001										
DIMENSIONS											
HxWxD (cm)	117x40x64			127x40x64			140x88x60			165x94x66	
Weight (kg)	95	105	125	145	165	260	280	310	400	425	