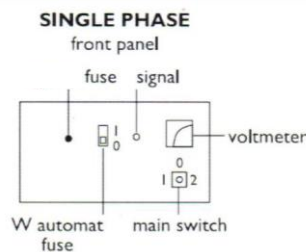
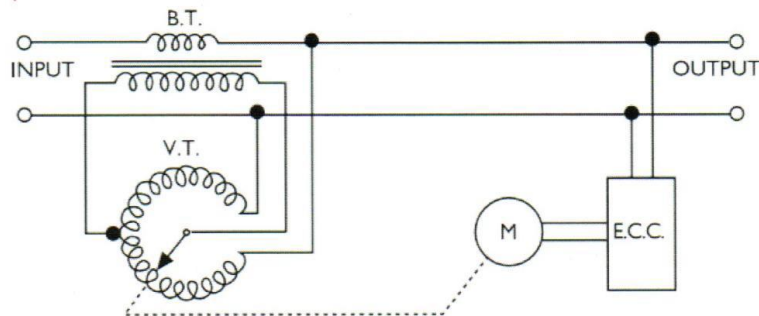


## ELECTROMECHANICAL VOLTAGE STABILIZERS VSR range from 5 to 40KVA

VSR Servo Controlled voltage stabilizers use a toroidal transformer (variable transformer), a BUCK-BOOST transformer and an electronic circuit that controls the variable transformer rotation, thus adjusting output voltage. With the control system which includes fast response time, high starting torque dc engine, it regulates the small voltage changes very fast. Servo-motor is put out of service by limit-switches when it is out of its working limits, and it is put out of service by control circuit when output voltage is automatically adjusted to the set value. When the regulation is complete the energy of the motor is cut by the help of electronic breaking circuit and it works silently.



### SINGLE PHASE VOLTAGE STABILIZER WORKING PRINCIPLE



Dimensions and weight may be subject to a change without notice

MODEL VSR	105	107	110	115	120	125	130	140	
Power KVA	10.5	15	22	30	45	60	75	100	
Cos-phi	from 0 to 1								
<b>INPUT</b>									
Input voltage	230Vac 1ph + N								
Input voltage range	from 170Vac ~ 260Vac (other ranges available on request)								
Input frequency	50/60Hz ±10%								
Input terminals	Terminal blocks								
<b>OUTPUT</b>									
Output voltage	230Vac								
Output accuracy	± 2%								
Output current A	22	32	43	65	86	86	130	173	
Overload capacity	200% load 1'								
Output frequency	50/60Hz ±10%								
Regulation speed	60-80V / sec								
Full load efficiency	min. 97%								
Output terminals	Terminal blocks								
Display	Digital Voltmeter with output voltage reading, Digital Amperometer								
<b>PROTECTIONS</b>									
Input protection	Automatic circuit breaker								
Output protection	Overload – short circuit – Under/over voltage								
By-Pass	Manual bypass included								
Surge suppressor.	Optional								
RFI/Harmonic filter	Optional								
Isolation transformer	Available on request								
<b>OTHER DATA</b>									
Max ambient temp.°C	-10° C ~ +40° C								
Altitude	1000 m								
Humidity	95% (without condensation)								
Noise level	< 50dB								
Colour	RAL7016								
Dim. (WxDxH) cm.	52x35x27		55x45x30		55x55x90			55x65x90	
Weight kg.	40	46	53	70	125	130	165	200	

Dimensions and weight may be subject to a change without notice