

TAURUS

The TAURUS types cover the range from 800kVA to 5000kVA and allow for the choice of several input voltage variation percentages from (+15% up to -35%).

They are similar in construction to the SIRIUS, but differ in terms of type of cooling.

The stabilisers are either cooled by a combination of air and oil.

The measuring instrumentation for the TAURUS stabilisers is incorporated in a control panel on the cabinet door and consists of **two multi-task digital network analysers**. Such instruments are able to provide with information regarding the status of the lines upstream and downstream the voltage stabiliser, such as phase and linked voltages, current, power factor, active power, apparent power, reactive power, etc.

The information concerning the output line can also be monitored on a remote PC via an RS485 output, an RS485/RS232 converter and a special software package (supplied with the unit).

Pilot lights are provided for each phase signalling 'power on', reaching of voltage regulation limits and direction of voltage regulation (increase/decrease).

Alarms for minimum and maximum voltages, maximum current, over-temperature and ventilation off are also indicated. The alarm indicators are accompanied by an acoustic alarm.

All these signals are located on the control panel mounted on the cabinet door and consist of sets of LEDs.

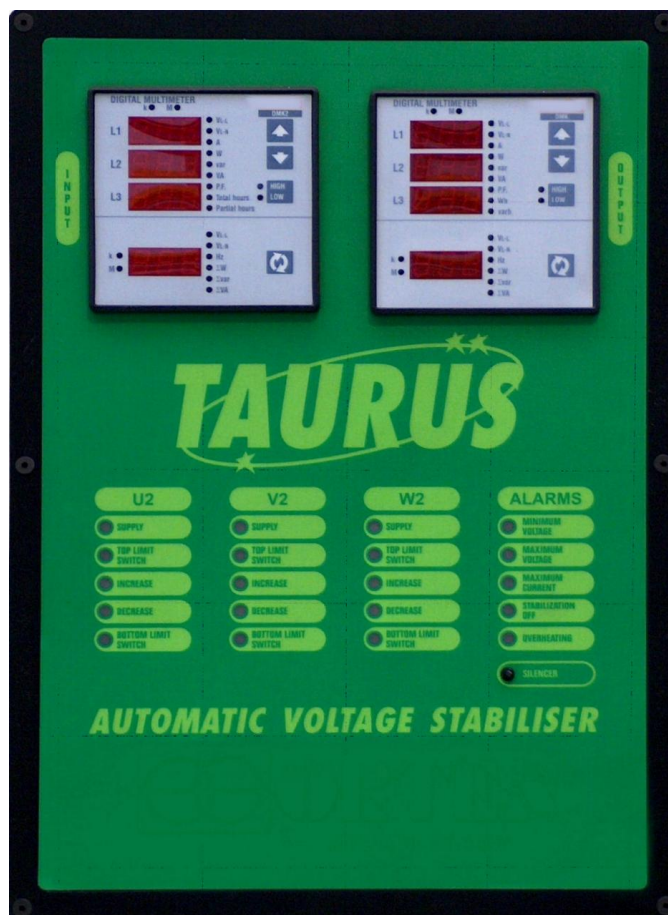
The line supplying the voltage regulator is provided with an automatic by-pass.

The circuit works in case of temporary overload: it opens the connection between the voltage regulator and the buck/boost transformer and short-circuits the transformer primary winding at the same time.

By doing so, the transformer voltage drop is cancelled and the user can be supplied the mains voltage (although not stabilised) without interruption.

The auxiliary circuit is protected by fuses.

The logic control, performed on the true rms voltage, is based on a 2-way DSP microprocessor. By using this device, monitoring the system and setting the stabiliser parameters via a PC connection are made possible.



TAURUS STANDARD FEATURES

FREQUENCY	47/65Hz
ADMITTED LOAD VARIATION	from 0 up to 100%
ADMITTED LOAD UNBALANCE	up to 100%
MAINS WAVEFORM DISTORTION INCREMENT	< 0.2%
COOLING	Natural Air (aided over 40°C) and oil
AMBIENT TEMPERATURE	-15/+45 °C
STORAGE TEMPERATURE	-25/+60°C
RELATIVE HUMIDITY	95%
ADMITTED OVERLOAD	200% 2min
COLOUR	RAL 7032/RAL 7035
PROTECTION	IP 21
INSTALLATION	Indoor

RATING IN RELATION TO THE INPUT VARIATION PERCENTAGE

±15%	±20%	±25%	±30%	-25/+15%	-35/+15%
1600	1250	1000	800	1250	1000
2000	1600	1250	1000	1600	1250
2500	2000	1600	1250	2000	1600
3150	2500	2000	1600	2500	2000
4000	3150	2500	2000	3150	2500
5000	4000	3150	2500	4000	3150

Any other variation range not mentioned in the table above can be dealt with on request.



TAURUS ±15% THREE-PHASE AUTOMATIC VOLTAGE STABILISER

TYPE	RATED POWER [kVA]	INPUT VOLTAGE ±15% [V]	MAX INPUT CURRENT [A]	OUTPUT VOLTAGE +/-0.5% [V]	RATED OUTPUT CURRENT [A]	EFFICIENCY [%]	RESPONSE TIME [ms/V]	CABINET	WEIGHT [kg]
1600-15	1600	400	2720	400	2312	>98	80	60	7200
2000-15	2000	400	3400	400	2890	>98	80	60	7900
2500-15	2500	400	4250	400	3613	>98	80	60	8600
3150-15	3150	400	5355	400	4552	>98	80	61	10800
4000-15	4000	400	6800	400	5780	>98	80	61	11300
5000-15	5000	400	8500	400	7225	>98	80	61	13800

TAURUS ±20% THREE-PHASE AUTOMATIC VOLTAGE STABILISER

TYPE	RATED POWER [kVA]	INPUT VOLTAGE ±20% [V]	MAX INPUT CURRENT [A]	OUTPUT VOLTAGE +/-0.5% [V]	RATED OUTPUT CURRENT [A]	EFFICIENCY [%]	RESPONSE TIME [ms/V]	CABINET	WEIGHT [kg]
1250-20	1250	400	2258	400	1806	>98	60	60	7200
1600-20	1600	400	2890	400	2312	>98	60	60	7900
2000-20	2000	400	3613	400	2890	>98	60	60	8600
2500-20	2500	400	4516	400	3613	>98	60	61	10800
3150-20	3150	400	5690	400	4552	>98	60	61	11300
4000-20	4000	400	7225	400	5780	>98	60	61	13800

TAURUS ±25% THREE-PHASE AUTOMATIC VOLTAGE STABILISER

TYPE	RATED POWER [kVA]	INPUT VOLTAGE ±25% [V]	MAX INPUT CURRENT [A]	OUTPUT VOLTAGE +/-0.5% [V]	RATED OUTPUT CURRENT [A]	EFFICIENCY [%]	RESPONSE TIME [ms/V]	CABINET	WEIGHT [kg]
1000-25	1000	400	1927	400	1445	>98	48	60	7200
1250-25	1250	400	2408	400	1806	>98	48	60	7900
1600-25	1600	400	3083	400	2312	>98	48	60	8600
2000-25	2000	400	3854	400	2890	>98	48	61	10800
2500-25	2500	400	4817	400	3613	>98	48	61	11300
3150-25	3150	400	6069	400	4552	>98	48	61	13800

TAURUS ±30% THREE-PHASE AUTOMATIC VOLTAGE STABILISER

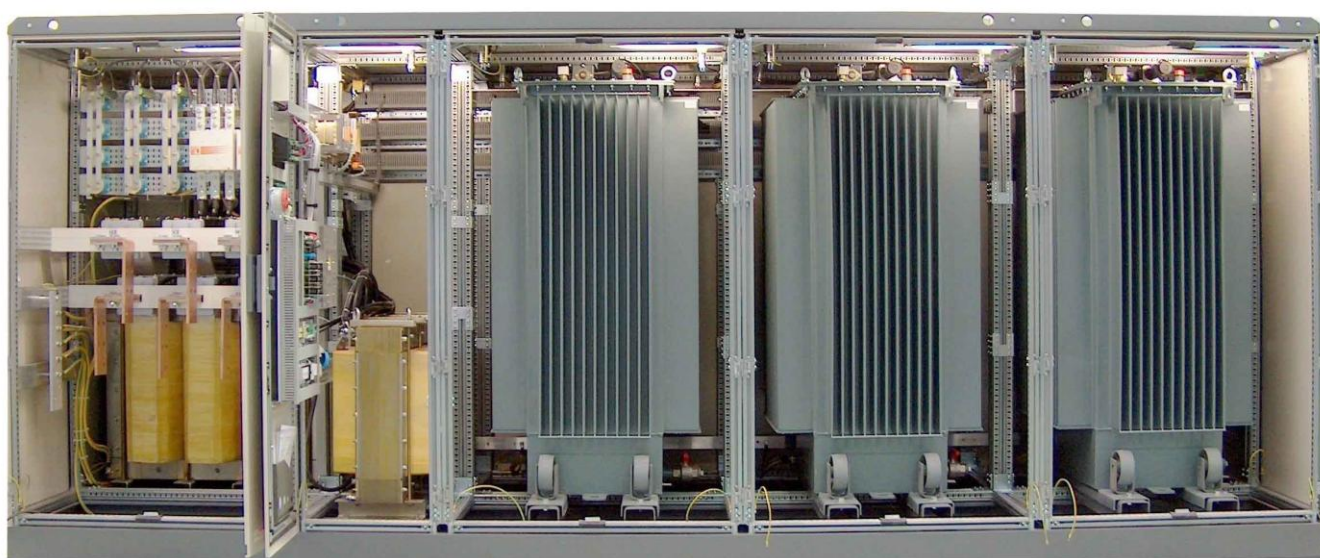
TYPE	RATED POWER [kVA]	INPUT VOLTAGE ±30% [V]	MAX INPUT CURRENT [A]	OUTPUT VOLTAGE +/-0.5% [V]	RATED OUTPUT CURRENT [A]	EFFICIENCY [%]	RESPONSE TIME [ms/V]	CABINET	WEIGHT [kg]
800-30	800	400	1651	400	1156	>98	48	60	7200
1000-30	1000	400	2064	400	1445	>98	48	60	7900
1250-30	1250	400	2580	400	1806	>98	48	60	8600
1600-30	1600	400	3303	400	2312	>98	48	61	10800
2000-30	2000	400	4129	400	2890	>98	48	61	11300
2500-30	2500	400	5161	400	3613	>98	48	61	13800

TAURUS +15%/-25% THREE-PHASE AUTOMATIC VOLTAGE STABILISER

TYPE	RATED POWER [kVA]	INPUT VOLTAGE +15% -25% [V]	MAX INPUT CURRENT [A]	OUTPUT VOLTAGE +/-0.5% [V]	RATED OUTPUT CURRENT [A]	EFFICIENCY [%]	RESPONSE TIME [ms/V]	CABINET	WEIGHT [kg]
1250-15/25	1250	400	2408	400	1806	>97	60	60	7920
1600-15/25	1600	400	3083	400	2312	>97	60	60	8690
2000-15/25	2000	400	3854	400	2890	>97	60	60	9460
2500-15/25	2500	400	4817	400	3613	>97	60	61	11880
3150-15/25	3150	400	6069	400	4552	>97	60	61	12430
4000-15/25	4000	400	7707	400	5780	>97	60	61	13800

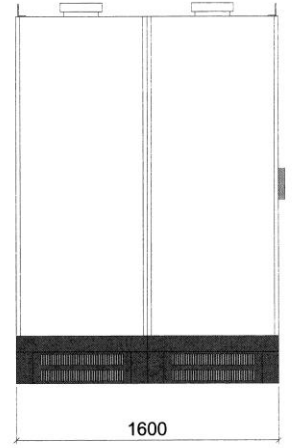
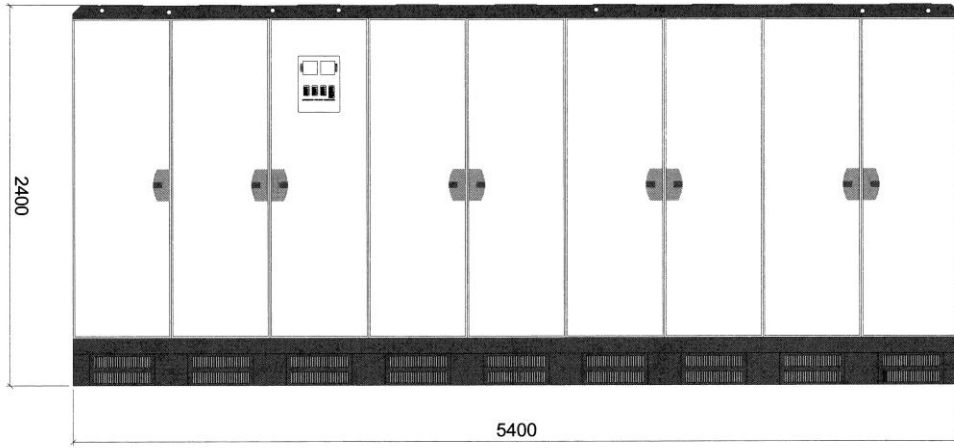
TAURUS +15%/-35% THREE-PHASE AUTOMATIC VOLTAGE STABILISER

TYPE	RATED POWER [kVA]	INPUT VOLTAGE +15% -35% [V]	MAX INPUT CURRENT [A]	OUTPUT VOLTAGE +/-0.5% [V]	RATED OUTPUT CURRENT [A]	EFFICIENCY [%]	RESPONSE TIME [ms/V]	CABINET	WEIGHT [kg]
1000-15/35	1000	400	2223	400	1445	>97	48	60	8280
1250-15/35	1250	400	2778	400	1806	>97	48	60	9085
1600-15/35	1600	400	3557	400	2312	>97	48	60	9890
2000-15/35	2000	400	4446	400	2890	>97	48	61	12420
2500-15/35	2500	400	5558	400	3613	>97	48	61	13000
3150-15/35	3150	400	7003	400	4552	>97	48	61	13800



The technical data in the above tables are subject to change by the Company either for internal reasons or because of a specific request from the Customer
 Input output voltage 50Hz: 380/415V - Input output voltage 60Hz: 460/480V

CABINET 60



CABINET 61

