



Principle & Characteristics

TDGC2 / TSGC2 variable transformer is a single winding transformer. It consists of a single layer of magnet wire winding on the laminated silicon steel core. A carbon brush is connected as an output lead and able to be rotated and adjust the voltage at any turn from zero to the maximum output voltage of the winding.

Application

Our variable transformers used in various industrial and laboratory applications as basic components to control voltage, current, power, heat, speed, light and electromechanical force.

Features

- Small size and light weight
- Easy to operate
- High efficiency
- No waveform distortion

TDGC2 Specification (Single Phase)

Model	Rated Capacity (kVA)	Phase	Frequency	Input Voltage	Output Voltage	Output Current
TDGC2 - 0.5	0.5kVA	1	50Hz	220Vac	0 ~ 250Vac	2
TDGC2 - 1	1kVA	1	50Hz	220Vac	0 ~ 250Vac	4
TDGC2 - 2	2kVA	1	50Hz	220Vac	0 ~ 250Vac	8
TDGC2 - 3	3kVA	1	50Hz	220Vac	0 ~ 250Vac	12
TDGC2 - 5	5kVA	1	50Hz	220Vac	0 ~ 250Vac	20
TDGC2 - 10	10kVA	1	50Hz	220Vac	0 ~ 250Vac	40

* Please contact us for enquiries on larger capacity.

TSGC2 Specifications (3-Phase)

Model	Rated Capacity (kVA)	Phase	Frequency	Input Voltage	Output Voltage	Output Current
TSGC2 - 3	3kVA	3	50Hz	400Vac	0 ~ 430Vac	4
TSGC2 - 6	6kVA	3	50Hz	400Vac	0 ~ 430Vac	8
TSGC2 - 9	9kVA	3	50Hz	400Vac	0 ~ 430Vac	12
TSGC2 - 15	15kVA	3	50Hz	400Vac	0 ~ 430Vac	20
TSGC2 - 30	30kVA	3	50Hz	400Vac	0 ~ 430Vac	40

* Please contact us for enquiries on larger capacity.

TDGC2 Dimension (Single Phase)

Model	Length	Width	Height	Weight
TDGC2 - 0.5	151mm	130mm	142mm	3.6KG
TDGC2 - 1	195mm	178mm	172mm	6.6KG
TDGC2 - 2	220mm	200mm	180mm	8.7KG
TDGC2 - 3	228mm	223mm	193mm	11.6KG
TDGC2 - 5	266mm	240mm	248mm	17.6KG
TDGC2 - 10	323mm	240mm	410mm	39.8KG

TSGC2 Dimension (3-Phase)

Model	Length	Width	Height	Weight
TSGC2 - 3	245mm	175mm	420mm	23.5KG
TSGC2 - 6	267mm	196mm	424mm	28.2KG
TSGC2 - 9	270mm	205mm	480mm	37.5KG
TSGC2 - 15	316mm	240mm	576mm	52.8KG