



TK Series Adjustable Reactor

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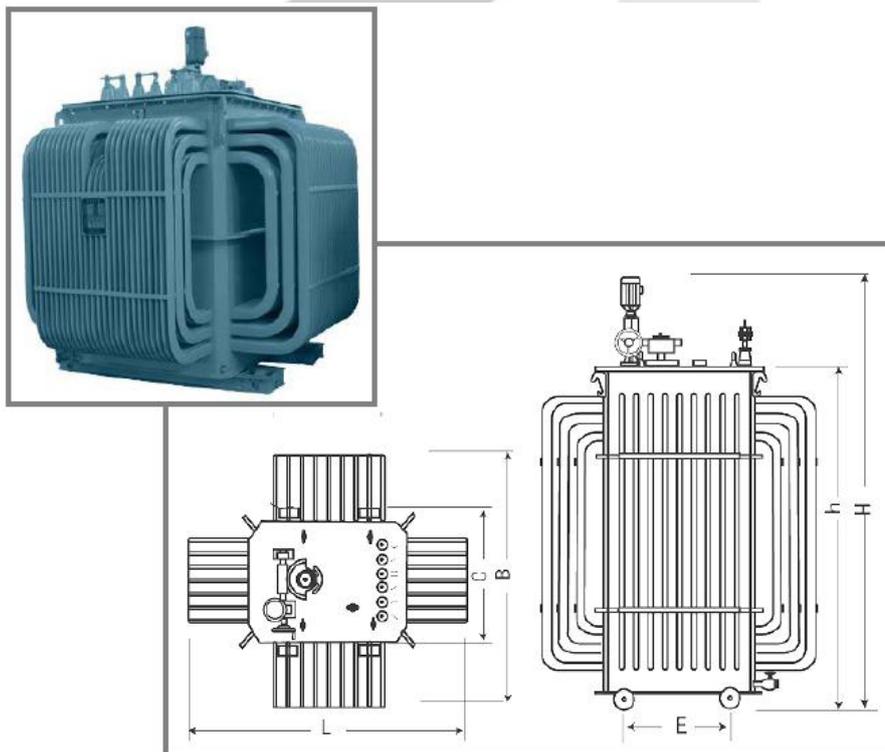
Electrical Measurement

The adjustable reactor TK series is the best adjustable inductive load device for the testing equipments. This TK series can smoothly, steplessly and continuously change the reactance value at the rated working voltage. Its main use is to be the adjustable inductance load in the unit load test. It can be matched with the adjustable resistor in order to regulate the load ratio and load power factor in some certain range.

The adjustable reactor is widely applied in the equipment inspection, power generator sets, power machinery, vehicle power supply systems and the concerned research and experiment. It can replace the reversed inductance regulator which is for the adjustable inductance load application.

Features:

- The adjustable current range is large. Adjusting the electricity Steplessly, smoothly and continuously.
- Excellent linearity and stability on the inductance adjustment. It can even bear the continuous 10 % overload for one hour.
- In working with the adjustable resistor, the regulation of the real reactive current or virtual reactive current is not affected by each other. It can then accurately regulate the load ratio and load power factor.
- Suitable for the electricity power in 50 Hz / 60 Hz, 220 ~ 690VAC, single or three phases.
- Easy operation; Safe and stable in work; Can work continuously in long time.
- Can work with multiple units connected in parallel way.
- Customized specifications are available for the dry, oil-immersed, iron core, air core types.





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Basic Specification Chart:

Ratio of the max. to min. adjustable reactance: $\leq 5\%$

Ratio of reactance resistance (XL/RL): ≥ 14 .

Reactance setting accuracy: $\leq 10\%$

Reproducibility of the set reactance: $\leq \pm 5\%$

Current T. HD.: $\leq 2\%$

Model No.	Rated Capacity (kVA)	Phase	Frequency (Hz)	Rated Voltage (V)	Adj. Current Range	Weight of insulating oil (kg)	Reactor Weight (kg)	Gross Weight (kg)	Outline dimensions (mm)							
									L	B	H	h	C	E	D	b
TK-160	160	3	50	400	9 ~ 231	300	730	1550	1250	1230	1580	1450	720	400	80	32
				690	16 ~ 134											
TK-200	200			400	11.2 ~ 289	530	1000	2140	1260	1200	1870	1370	860	500	100	40
				690	20 ~ 167											
TK-250	250			400	14~361	540	1140	2320	1410	1350	1870	1370	860	500	100	40
				690	25~209											

• Adjustable reactor TK series can be used at 60 Hz / 450 V.
 • At 60 Hz, The adjustable minimum limit and the maximum limit of the current are 0.9375 times the values at the condition of 50Hz / 400 V.
 • The reactor in other specification including the single phase, working frequency and voltage can be ordered according to the customers' needs.

For the need of 20 kVA ~ 5,000 kVA, please contact with our sales department.