



Product Introduction

Based on the principle of electromagnetic induction. When the high voltage electrical energy flows through the high voltage coil, the resulting magnetic field creates a magnetic flux in the iron core. This magnetic flux will further induce the electromotive force in the low-voltage coil, thus converting high-voltage electrical energy into low-voltage electrical energy. Specifically, when the cylindrical transformer is connected to the power supply, due to the passage of current, magnetic flux will be generated in the coil, and this magnetic flux will pass through the magnetic circuit inside and outside the coil, and eventually form a magnetic link. Because the flux link inside the coil is generated by the current, it is called the self-inductance flux link or inductive flux link. When the number of turns of the two coils in the transformer is different, the voltage in the transformer will change, which is because the magnetic flux will produce different voltages inside and outside the coil when it passes through the coil of different turns.

Technical Parameters

RATING KVA	SILICON STEEL CORE				AMORPHOUS METAL CORE			
	NO LOAD LOSSES WATTS	LOAD LOSSES WATTS	TOTAL LOSSES		NO LOAD LOSSES WATTS	LOAD LOSSES WATTS	TOTAL LOSSES	
			WATTS	% OF RATED KVA			WATTS	% OF RATED KVA
10	36	120	1.56	12	12	120	132	1.32
15	50	195	1.63	15	15	195	210	1.4
25	80	290	1.48	18	18	290	308	1.23
37.5	105	360	1.24	30	30	360	390	1.04
50	135	500	1.37	32	32	500	532	1.06
75	190	650	1.12	45	45	650	695	0.93
100	210	850	1.06	50	50	850	900	0.9
167	550	1410	1.05	65	65	1410	1475	0.88
250	500	2000	1	90	90	2000	2090	0.83
333	650	2500	0.94	120	120	2500	2620	0.79