

Oil-Filled Distribution Transformer Design Report

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Design Parameter	Value
Rated Power	500.0 kVA
Primary Voltage (HV)	11.0 kV
Secondary Voltage (LV)	415.0 V
Frequency	50.0 Hz
Core Diameter	87.3 mm
HV Turns	5169
LV Turns	195
Core Weight	6000 kg
Copper Weight	4000 kg
No-Load Loss	7200 W
Load Loss	400 W
Impedance	4.5%

■■ Design exceeds standard no-load loss limit.

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