



POWERING THE WORLD

55 MVA / 69 kV / 13.8 kV

HYUNDAI ELECTRIC TM1337 TRANSFORMER PACKAGE

The Hyundai Electric TM1337 is a 55 MVA, 69 kV/13.8 kV power transformer equipped with a Load Tap Changer (LTC), engineered for high-performance and reliable energy distribution.

Designed in accordance with IEEE C57.12.00–2021 standards, this 3-phase transformer operates at 60 Hz with a YNyn0(d1) vector group configuration. Featuring ONAN/ONAF/ONAF cooling and a 65 °C oil and winding temperature rise, the TM1337 ensures optimal thermal efficiency and dependable operation for utility, industrial, and power generation applications.

POWER TRANSFORMER WITH LTC

Standard	IEEE C57.12.00
Temperature Rise (Oil/Winding)	65 / 65 °C
Cooling Class	ONAN / ONAF / ONAF
Number of Phases	3
Frequency	60 Hz
Vector Group	YNyn0(d1)

WINDING DETAILS

Winding	Rated Power (MVA)	Rated Voltage (kV)	Winding BIL (kV)	Bushing BIL (kV)
HV	33 / 44 / 55	69 GNDY/ 39.8	350	550
LV	33 / 44 / 55	34.5 GNDY/ 19.9	200	200
TV	11.6 / 15.4 / 19.2	Buried (13.8)	110	200
H0	—	—	150	200
X0	—	—	150	200

CONSTRUCTION DETAILS

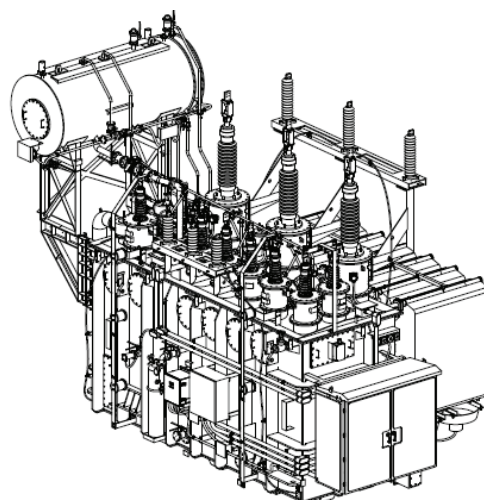
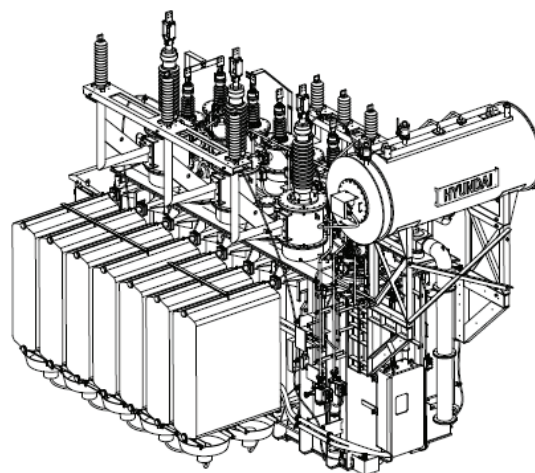
Parameter	Details
Type of Insulation Oil	ASTM D3487 Inhibited Type II
Type of Construction	Core Form, 3-Legged
Winding Material	Copper
Manufacturer Serial Number	20231785TFF8009
Year & Month of Manufacture	August 2025

IMPEDANCE (%) AT 85°C & ONAN (33 MVA)

TAP	Positive Sequence	Zero Sequence
Highest	8.773	—
Rated	8.447	7.329
Lowest	8.227	—

SOUND LEVEL (DBA) AT NO—LOAD

Cooling Type	Sound Level (dBA)
ONAN	60.1
ONAF	62.1
ONAF (High)	65.9



APPROXIMATE WEIGHT (LBS)

Component	Weight (lbs)
Core and Coils	86,144
Tank and Fittings	55,316
Total Insulation Oil at 25°C	5,997 gal / 45,040
Oil – Main Tank	5,049 gal / 37,918
Oil – Total (of 14) Radiators	491 gal / 3,687
Oil – Conservator for Main Tank	394 gal / 2,964
Oil – LTC Compartment	40 gal / 301
Oil – Conservator for LTC	23 gal / 180
Total Fully Assembled	186,500
Shipping (Main Body without Oil)	125,000
Untanking Weight (Heaviest Piece)	95,947

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