

S13-M-200000460183000.2	5.0	3700215011002100
S13-M-250000740212000.2	5.0	4400230011502200

Oil volume and dimensions are approximate. Contact ZiyaoPower for certified data.

4. Key Features

1. Hermetically sealed corrugated tank: zero oil contact with atmosphere, extended oil life
2. High-grade grain-oriented silicon steel core: low no-load loss, meets GB 20052 efficiency tiers
3. Full-cover vacuum oil filling: eliminates internal air pockets for superior dielectric strength
4. Integrated pressure relief valve and Buchholz relay (gas + oil surge detection)
5. Mineral oil, 5-step core lamination, industry-standard reliability
6. Corrugated fin cooling panels: maximized heat dissipation without external radiators
7. Drain valve + sampling valve for routine oil testing (DGA, moisture, breakdown voltage)
8. Hot-dip galvanized or painted steel tank with C3/C4 corrosion class options

5. Standards & Certifications

- IEC 60076: Power Transformers (all relevant parts)
- IEEE C57.12.00: Standard for Liquid-Immersed Distribution Transformers
- GB 1094 / GB 20052: Chinese national transformer standards
- ISO 9001: Quality Management System
- Type tested: temperature rise, lightning impulse, short-circuit withstand

6. How to Order

Specify: **S13-M-[kVA]/[HV kV]-[LV kV] [Vector Group] [Options]**

Example: **S13-M-1000/10-0.4 Dyn11 Natural Ester**

Available options:

- Natural ester fluid (FR3 / MIDELE N) for enhanced fire safety and biodegradability
- Automatic tap changer (OLTC) for on-load voltage regulation (SZ13 model only)
- Winding temperature indicator (WTI) and oil temperature indicator (OTI)
- Bay-o-net fuse protection with remote alarm
- Off-circuit tap changer with padlock (standard)
- Special voltage ratios: 11 kV, 20 kV, 33 kV primary

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This datasheet is for reference only. Specifications subject to change without notice.