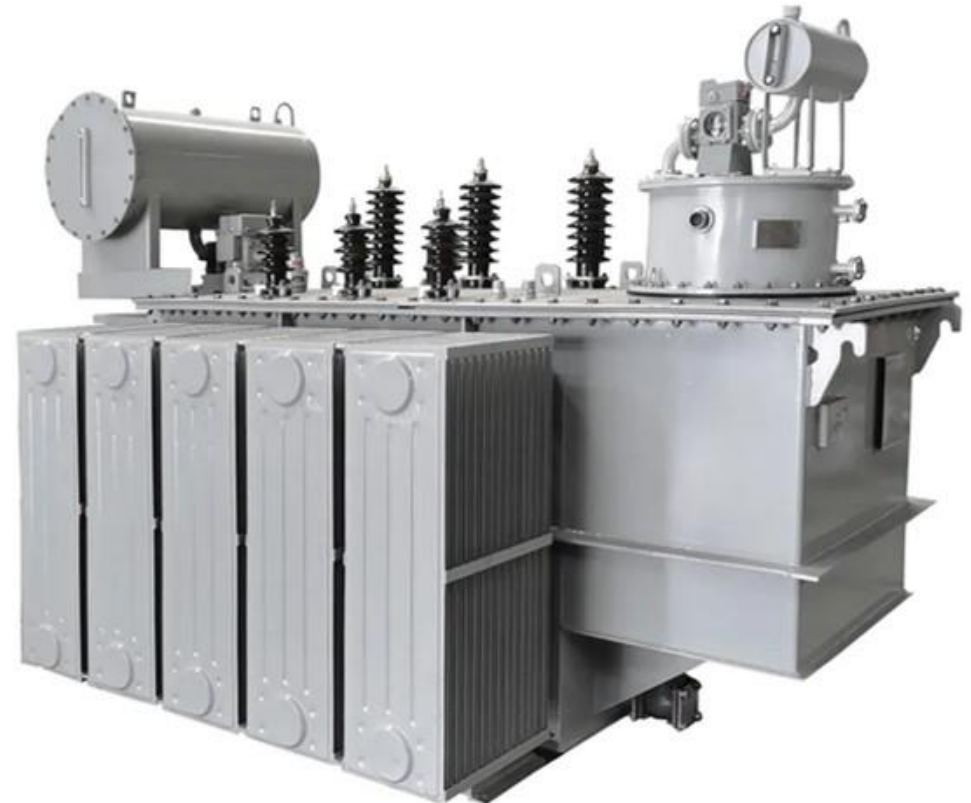




Specification of Oil immersed power transformers

| | |
|---|---|
| 6-11 KV oil immersed power transformers (Class A, NLTC) | 2 |
| 30-40.5 KV oil immersed power transformers (Class A, NLTC)..... | 3 |
| 30-40.5 KV oil immersed power transformers (Class A, OLTC)..... | 4 |



6-11 KV oil immersed power transformers (Class A, NLTC)

| Rated capacity (KVA) | Connection symbol | Voltage combination (KV) | | | No-load losses (W) | Load losses (W) (75°C) | Voltage impedance (%) (75°C) | |
|-------------------------|-------------------|------------------------------|----------------|------------------|-----------------------|------------------------------|------------------------------------|-------------|
| | | HV | Tapping range | LV | | | | |
| 630 | Dy11 Yd11 | 11 10.5 10 6.3 6 | ±5% ±2×2.5% | 6.3 3.15 3 | 656-820 | 6230-6920 | 5.5 | |
| 800 | | | | | 800-1000 | 7610-8460 | | |
| 1000 | | | | | 944-1180 | 8920-9910 | | |
| 1250 | | | | | 1120-1400 | 10500-11700 | | |
| 1600 | | | | | 1340-1680 | 12700-14100 | | |
| 2000 | | | | | 1610-2010 | 15200-16900 | | |
| 2500 | | | | | 1900-2370 | 17600-19600 | | |
| 3150 | | | | | 2240-2800 | 20700-23000 | | |
| 4000 | | | | | 2760-3450 | 24600-27300 | | |
| 5000 | | | | | 3280-4100 | 28200-31300 | | |
| 6300 | | 3910-4890 | 31500-35000 | | | | | |
| | | 11 | | | 6.3 | 2760-3450 | | 24600-27300 |
| | | 10.5 | | | 3.15 | 3280-4100 | | 28200-31300 |
| | | 10 | | | 3.15 | 3910-4890 | | 31500-35000 |
| | | | | | | | | |

30-40.5 KV oil immersed power transformers (Class A, NLTC)

| Rated capacity (KVA) | Connection symbol | Voltage combination (KV) | | | No-load losses (W) | Load losses (W) (75°C) | Voltage impedance (%) (75°C) | |
|----------------------|-------------------|--------------------------|----------------|---|--------------------|------------------------|------------------------------|------|
| | | HV | Tapping range | LV | | | | |
| 630 | Dyn11 Yd11 | 30-40.5 | ±5% ±2×2.5% | 3.15 6.3 10.5 11 | 664-830 | 7070-7860 | 6.5 | |
| 800 | | | | | 784-980 | 8460-9400 | | |
| 1000 | | | | | 920-1150 | 10400-11500 | | |
| 1250 | | | | | 1120-1400 | 12500-13900 | | |
| 1600 | | | | | 1350-1690 | 14900-16600 | | |
| 2000 | | | | | 1740-2170 | 16500-18300 | | |
| 2500 | | | | | 2050-2560 | 17600-19600 | | |
| 3150 | | | | | 2430-3040 | 20700-23000 | | |
| 4000 | | | | | 2890-3610 | 24600-27300 | | 7.0 |
| 5000 | | | | | 3460-4320 | 28200-31300 | | |
| 6300 | Dyn11 YNd11 | 30-40.5 | ±5% ±2×2.5% | 3.15 3.3 6.3 6.6 10.5 11 | 4190-5240 | 31500-35000 | 8.0 | |
| 8000 | | | | | 5760-7200 | 34600-38400 | | |
| 10000 | | | | | 6960-8700 | 40800-45300 | | |
| 12500 | | | | | 8000-10000 | 48400-53800 | | |
| 16000 | | | | | 9680-12100 | 59200-65800 | | |
| 20000 | | | | | 11500-14400 | 71600-79500 | | |
| 25000 | | | | | 13600-17000 | 84600-94000 | | 10.0 |
| 31500 | | | | | 16200-20200 | 101000-112000 | | |

30-40.5 KV oil immersed power transformers (Class A, OLTC)

| Rated capacity (KVA) | Connection symbol | Voltage combination (KV) | | | No-load losses (W) | Load losses (W) (75°C) | Voltage impedance (%) (75°C) | |
|----------------------|-------------------|--------------------------|---------------|---------------|--------------------|------------------------|------------------------------|-----|
| | | H V | Tapping range | LV | | | | |
| 2000 | Dyn11 Yd11 | 30-40.5 | ±3×2.5% | 6.3 | 1840-2300 | 17300-19200 | 6.5 | |
| 2500 | | | | 10.5 | 2180-2720 | 18500-20600 | | |
| 3150 | | | | 6.3 | 2580-3230 | 22200-24700 | 7.0 | |
| 4000 | | | | 10.5 | 3100-3870 | 26200-29100 | | |
| 5000 | | | | 11 | 3710-4640 | 30800-34200 | | |
| 6300 | | | | | 4500-5630 | 33000-36700 | | |
| 8000 | Dyn11 YNd11 | | | | | 6300-7870 | 36500-40600 | 8.0 |
| 10000 | | | | | | 7420-9280 | 43200-48000 | |
| 12500 | | | | 6.3 | 8720-10900 | 51100-56800 | | |
| 16000 | | | | 6.6 | 10500-13100 | 63300-70300 | | |
| 20000 | | | | 10.5 | 12400-15500 | 74400-82700 | | |
| 25000 | | | | 11 | 14600-19300 | 88000-97800 | 10.0 | |
| 31500 | | | 17400-21800 | 104000-116000 | | | | |