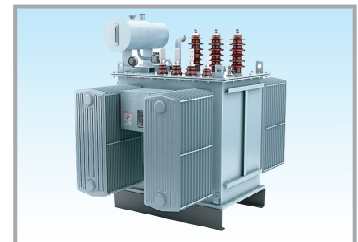
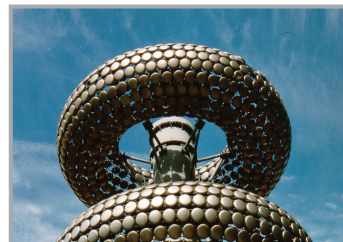




SUBSTATION UP TO 145 KV



Product Line

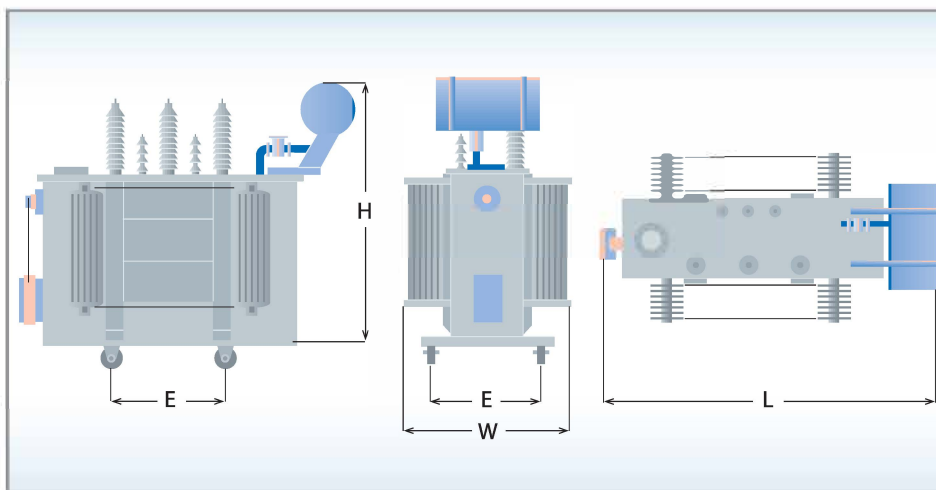
Transformer | Switchgear | Drives & PLC | UPS | 110V Charger | CR Panel | Project EPC

POWER TRANSFORMERS-SELECTION TABLES

TECHNICAL DATA, DIMENSIONS AND WEIGHTS

Oil-immersed three-phase
power transformers
with on-load tap changer
3150 - 28000 kVA
HV rating : up to 33 kV

- Taps on 17.5% in ± 8 steps of 1.75 %
- HV side
- Rated frequency 50 Hz
- Impedance voltage 6-10 %
- connection HV winding : Delta
LV winding : Star



Technical Data for Power Transformer

Three Phase, 33/11 KV at 50 Hz

| Rated Power (KVA) | Losses | | % impedance | Transformer Dimension | | | Total Weight |
|-------------------|---------------------|-----------------------|-------------|-----------------------|------------|-------------|--------------|
| | No Load Loss (Watt) | Full Load Loss (Watt) | | Length (mm) | Width (mm) | Height (mm) | |
| 3150 | 4000 | 28000 | 7 | 3700 | 2420 | 2700 | 9500 |
| 4000 | 4700 | 36000 | 7 | 3850 | 2420 | 2850 | 10500 |
| 5000 | 5500 | 42000 | 7 | 3950 | 2650 | 2900 | 12500 |
| 6300 | 7000 | 50000 | 7.5 | 4100 | 3000 | 3000 | 15000 |
| 8000 | 9000 | 63000 | 7.5 | 4220 | 3250 | 3050 | 16500 |
| 10000 | 10000 | 74000 | 8 | 4450 | 3450 | 3250 | 20000 |
| 12500 | 11500 | 85000 | 8 | 4600 | 3550 | 3400 | 23000 |
| 15000 | 13000 | 98000 | 8 | 4750 | 3850 | 3950 | 26500 |
| 20000 | 15000 | 125000 | 10 | 5250 | 4000 | 4200 | 32000 |

N.B: The above specifications are subject to change without any prior notice

INNOVA TRANSFORMERS

Our modern transformer manufacturing operations in Innova, sonargaon, Narayangonj, have amassed years of combined experience producing high quality power transformers that meet stringent customer demands. Utilizing sophisticated computer-controlled equipment and test systems, INNOVA Transformer Solutions also maintains one of the shortest production cycles in the industry, which allows the team to respond quickly to customer delivery and installation requirements.

INNOVA SERVICE

Innova Service can provide complete transformer service solutions for almost any manufacturer's units including installation, maintenance, relocation, testing and technical assessments; oil processing, dryouts and retrofills; corrective and preventative maintenance; load tap changer field retrofits and repairs. Along with a vast number of skilled personnel located strategically across the country, we manage one of the largest fleets of specialized transformer service equipment in the Bangladesh. This allows us flexibility; optimized installation hours and costs while helping us provide efficient, safe and high quality service to our customers.

INNOVA ENGINEERING LTD.

House # 1/A (5th Floor), Road # 1/B, Nikunja-2
Khilkhet, Dhaka-1229, Bangladesh
Service Helpline : 01872626370, 01872626371
Sales Helpline : 01872626372, 01872626373
Tel : +88 02 8900300
Fax : +88 02 8900776
E-mail : info@innova-bd.net
Website : www.innova-bd.net

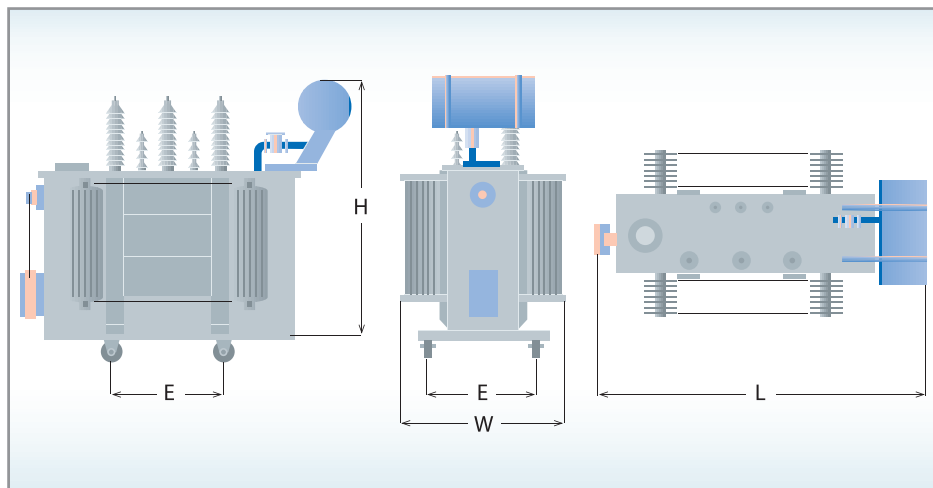


DISTRIBUTION TRANSFORMERS-SELECTION TABLES

TECHNICAL DATA, DIMENSIONS AND WEIGHTS

Oil-immersed three-phase
distribution transformers
with off-load tap changer
100 - 3150 KVA
HV rating : up to 11 kV

- Taps on 15% in ± 5 steps of 2.5 %
- HV side 50 Hz
- Rated frequency 4-7 %
- Impedance voltage HV winding : Delta
- connection LV winding : Star



Technical Data for Distribution Transformer

Three Phase, 11/.415 KV at 50 Hz

| Rated Power (KVA) | Losses | | % impedance | Transformer Dimension | | | Total Weight |
|----------------------|------------------------|--------------------------|-------------|-----------------------|------------|----------------|--------------|
| | No Load Loss (Watt) | Full Load Loss (Watt) | | Length (mm) | Width (mm) | Height (mm) | |
| 100 | 245 | 1800 | 4 | 1150 | 550 | 1300 | 670 |
| 150 | 330 | 2400 | 4 | 1150 | 630 | 1350 | 990 |
| 200 | 435 | 2900 | 4 | 1300 | 850 | 1450 | 1070 |
| 250 | 550 | 3150 | 4 | 1400 | 850 | 1450 | 1250 |
| 315 | 575 | 4300 | 4 | 1400 | 900 | 1500 | 1440 |
| 400 | 680 | 5300 | 4 | 1450 | 900 | 1550 | 1640 |
| 500 | 825 | 6150 | 4 | 1450 | 1000 | 1550 | 1980 |
| 630 | 900 | 8600 | 5 | 1500 | 1000 | 1600 | 2300 |
| 750 | 1100 | 9000 | 5 | 1550 | 1050 | 1600 | 2500 |
| 800 | 1300 | 11300 | 6 | 1550 | 1050 | 1700 | 2870 |
| 1000 | 1420 | 1200 | 6 | 1600 | 1100 | 1850 | 3140 |
| 1250 | 1850 | 13200 | 6 | 1700 | 1150 | 2000 | 3962 |
| 1500 | 2100 | 15300 | 6 | 1800 | 1300 | 2150 | 4500 |
| 2000 | 2680 | 16500 | 6 | 1950 | 1350 | 2500 | 5180 |
| 2500 | 2900 | 19500 | 7 | 2100 | 1500 | 2800 | 6290 |
| 3150 | 3480 | 23000 | 7 | 2350 | 1700 | 3100 | 7175 |

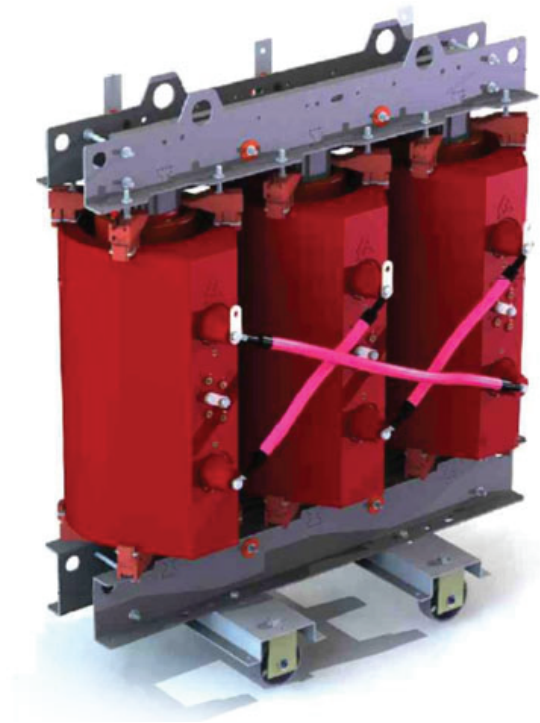
N.B: The above specifications are subject to change without any prior notice

Corporate Philosophy

To cultivate happiness among people, the Innova strives to be your best company by extracting unique and superior corporate strengths and continuously providing products and service that delight our customers and society.

The transformer manufacturing company in Bangladesh to get certified for ISO 9001

Innova Engineering Ltd. started manufacturing wide variety of Power, Distribution and Special Transformers since 2012



OUR PRODUCT RANGE

| | |
|---|-------------------------------------|
| Power Transformers | : 2500 to 28 MVA, upto 33kV Class |
| Distribution Transformers | : 100 to 3150 kVA, upto 11 kV Class |
| Converter Transformers | : Upto 20000 kVA, 33 kV Class |
| HV Power Frequency Testing Transformers | : Upto 300 kV, 400 kVA |
| Short Circuit Transformers | : Upto 100 kA for 1 second |
| Cast Resin Transformers | : Upto 10000 kVA, 33 kV class |
| Earthing Transformers/ Neutral Grounding Transformers | : For system upto 33 kV Class |
| Flameproof Dry Type Transformers / Transwitch units | : 200 to 500 kVA, upto 11 kV class |

SALIENT FEATURES

- Highly reliable
- Flawless designs
- Used in special applications
- Sophisticated facilities
- Usage of FEM package
- 3D package for drawings
- Special tests like Zero Sequence Impedance test
- Harmonic analyses, Capacitance tan delta
- In house Impulse generator 1000 kVP, 50KJ, 5 stage
- Temperature rise test