

# TRANSFORMERS

## SINGLE PHASE DISTRIBUTION TRANSFORMER



### หม้อแปลงไฟฟ้าในระบบจำหน่าย 1 เฟส 460/230 โวลต์, 480/240 โวลต์



#### Accessories

- |   |  |
|---|--|
| 1. HV bushing                               | 2. LV bushing                              |
| 3. Lifting lug                              | 4. Hand hole                               |
| 5. Drain valve                              | 6. Earthing terminal                       |
| 7. Tap changer                              | 8. Nameplate                               |
| 9. Bird guard                               | 10. Support lug                            |
| 11. Earthing terminal<br>for surge arrester | 12. Mounting bracket<br>for surge arrester |

#### Specification

Description	12.7 / 22 kV	19 / 33 kV
Type of cooling	ONAN	
Type of oil	Mineral oil (Non PCB's)	
Number of phase	1	
Rated frequency (Hz)	50	
Relative humidity (Max) (%)	95	
Altitude (m)	Not exceeding 1,000m above sea level	
Class of insulation	Class A	
Ambient operating temperature (°C)	0 to 45	
Maximum temperature rise		
- Top oil (°C)	55	
- Winding (°C)	65	
Standard	IEC60076, TIS384	



# TRANSFORMERS

## SINGLE PHASE DISTRIBUTION TRANSFORMER

### หม้อแปลงไฟฟ้า ขนาด 12,700 / 22,000 – 460/230 โวลต์

#### Technical data

Capacity (kVA)	No- load Losses at 75°C (W)	Load losses at 75°C (W)	Total loss at 75°C (W)	Impedance at 75°C	Efficiency (P.F.=1)		Voltage regulation at full load and P.F.=1 (%)	Outline Dimension Approx. In mm.			Oil Volume (Litres)	Total Weight (kg.)
					50% load (%)	100% load (%)		Ltr	Btr	Htr		
30	120	430	550	1.8-2.2	98.51	98.20	1.45	840	590	1,060	110	220
50	150	670	820		98.75	98.39	1.36	1,000	800	1,150	140	320

**Note:** The characteristics are for information only. Please contact to confirm actual data.

### หม้อแปลงไฟฟ้า ขนาด 19,000 / 33,000 – 460/230 โวลต์, 480/240 โวลต์

#### Technical data

Capacity (kVA)	No- load Losses at 75°C (W)	Load losses at 75°C (W)	Total loss at 75°C (W)	Impedance at 75°C	Efficiency (P.F.=1)		Voltage regulation at full load and P.F.=1 (%)	Outline Dimension Approx. In mm.			Oil Volume (Litres)	Total Weight (kg.)
					50% load (%)	100% load (%)		Ltr	Btr	Htr		
30	120	430	550	1.8-2.2	98.51	98.20	1.45	850	620	1,030	120	230
50	150	670	820		98.75	98.39	1.36	1,020	650	1,350	145	330

**Note:** The characteristics are for information only. Please contact to confirm actual data.

