

Realizing Your Dreams



EWT Transformer Sdn Bhd  
(25685-D)

# DISTRIBUTION TRANSFORMER



OIL IMMERSED HERMETICALLY SEALED



**EWT Transformer Sdn Bhd**  
(25685-D)

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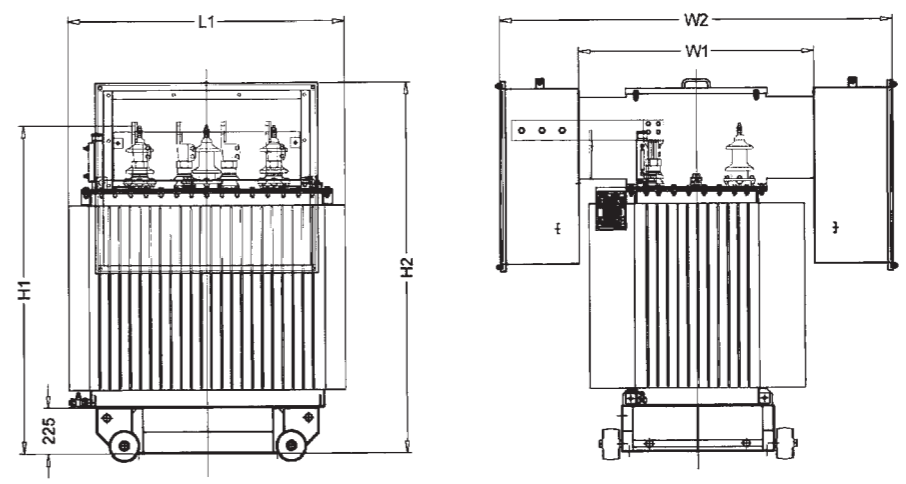
**TECHNICAL DATA**

**STANDARD FITTINGS**

- \* Open DIN Bushing
- \* Filling Inlet and Oil Level Indicator
- \* Pressure Relief Device
- \* Thermometer Pocket
- \* Earth Terminals
- \* Off Circuit Tap Selector
- \* Rating Plate and Phase Markers
- \* Lifting Lugs and Hold Down Lugs
- \* Angle base with Haulage Points
- \* Drain Valve

**OPTIONAL FITTINGS**

- \* HV and LV Cable Boxes with Undrilled Insulated Gland and Lifting Spreader
- \* Temperature Thermometer with 2 contacts(Alarm and Trip)
- \* Pressure Switch with 2 Contacts (Alarm and Trip)
- \* Roller



**GENERAL**

Arrangement

**FULLY TYPE TESTED**

According To  
IEC 60076

**TECHNICAL DATA**

**- Low Loss Type  
In Accordance  
With TNB  
Specified Losses  
Model EFG3L**

RATED POWER(kVA)	100	300	500	750	1000	
RATIO	11000/433V (75kV BIL) Dyn11 50Hz					
NO LOAD LOSS (W)*	300	600	1000	1200	1400	
LOAD LOSS AT 75 DEG (W)*	1500	2800	4100	6000	7000	
IMPEDANCE (%)	4.75	4.75	4.75	4.75	4.75	
NO-LOAD CURRENT (%)	2.0	1.8	1.5	1.2	1.0	
EFFICIENCY(%)	P.F.1.0	97.86	98.71	98.89	98.96	99.11
AT 100% LOAD	P.F.0.8	97.32	98.39	98.61	98.70	98.89
REGULATION	P.F.1.0	1.94	1.20	1.04	1.00	0.86
AT 100% LOAD	P.F.0.8	4.13	3.63	3.59	3.52	3.47

RATED POWER(kVA)	100	300	500	750	1000	
OIL (LITRE)	259	321	383	560	578	
MASS (kg)	STANDARD	881	1305	1760	2395	2860
	OPTION	1085	1520	1965	2610	3075
LENGTH (mm)	L1	1025	1170	1255	1290	1360
	L2					
WIDTH (mm)	W1	870	870	940	950	1060
	W2	1700	1770	1805	1811	1940
HEIGHT (mm)	H1	1296	1354	1385	1575	1540
	H2	1600	1575	1615	1805	1810

**DIMENSION DATA**

**- Low Loss Type  
Model EFG3L  
(11000/433 Volts)**

**TECHNICAL DATA**

**- Standard Loss  
Type  
Model EFG3N**

RATED POWER(kVA)	1000	1250	1500	1600	2000	2500	3000	
RATIO	11000/433V (75kV BIL) Dyn11 50Hz							
NO LOAD LOSS (W)*	1300	1500	1700	1800	2100	2300	2800	
LOAD LOSS AT 75 DEG (W)*	10500	12500	17000	19100	20000	26500	28000	
IMPEDANCE (%)	4.75	5.00	6.00	5.00	6.00	6.00	6.00	
NO-LOAD CURRENT (%)	1.0	1.0	1.0	1.0	0.9	0.9	0.9	
EFFICIENCY (%)	P.F.1.0	98.80	98.89	98.68	98.70	98.86	98.87	98.99
AT 100% LOAD	P.F.0.8	98.50	98.61	98.35	98.31	98.58	98.59	98.73
REGULATION	P.F.1.0	1.67	1.12	1.38	1.32	1.24	1.23	1.10
AT 100% LOAD	P.F.0.8	3.60	3.82	4.58	4.06	4.63	4.65	4.36

RATED POWER(kVA)	1000	1250	1500	1600	2000	2500	3000	
OIL (LITRE)	760	683	1078	1085	1240	1100	1299	
MASS (kg)	STANDARD							
	OPTION	2950	3300	4045	4100	4755	5220	6560
LENGTH (mm)	L1	1695	1650	1740	1670	1820	2170	
	L2							
WIDTH (mm)	W1	1210	1180	1285	1265	1370	1520	1537
	W2	2005	1975	2265	2238	2340	2500	2514
HEIGHT (mm)	H1							
	H2	1900	1830	2130	2210	2140	2113	2250

**DIMENSION DATA**

**- Standard Loss  
Type  
Model EFG3N  
(11000/433 Volts)**

**TECHNICAL DATA**

**- Low Loss Type  
In Accordance  
With TNB  
Specified Losses  
Model EFG3L**

RATED POWER(kVA)	100	300	500	750	1000	
RATIO	22000/433V (125kV BIL) Dyn11 50Hz					
NO LOAD LOSS (W)*	240	700	900	1200	1500	
LOAD LOSS AT 75 DEG (W)*	1600	4400	7300	9200	11700	
IMPEDANCE (%)	5	5	5	5	5	
NO-LOAD CURRENT (%)	2.0	1.8	1.5	1.2	1.0	
EFFICIENCY (%)	P.F.1.0	98.19	98.37	98.27	98.62	98.59
AT 100% LOAD	P.F.0.8	97.73	97.96	97.84	98.28	98.23
REGULATION	P.F.1.0	1.67	1.56	1.67	1.36	1.42
AT 100% LOAD	P.F.0.8	4.20	4.08	4.20	4.00	4.09

RATED POWER(kVA)	100	300	500	750	1000	
OIL (LITRE)	337	377	578	549	758	
MASS (kg)	STANDARD	980	1370	1820	2325	2750
	OPTION					2965
LENGTH (mm)	L1	1165	1160	1666	1360	1700
	L2					
WIDTH (mm)	W1	925	915	1066	1190	1125
	W2					2120
HEIGHT (mm)	H1	1540	1660	1500	1860	1825
	H2					2050

**DIMENSION DATA**

**- Low Loss Type  
Model EFG3L  
(22000/433 Volts)**

Note: \* Declared losses and impedances are subject to IEC-60076 tolerance (\*)  
Details of the equipments described in this catalogue may change without prior notice