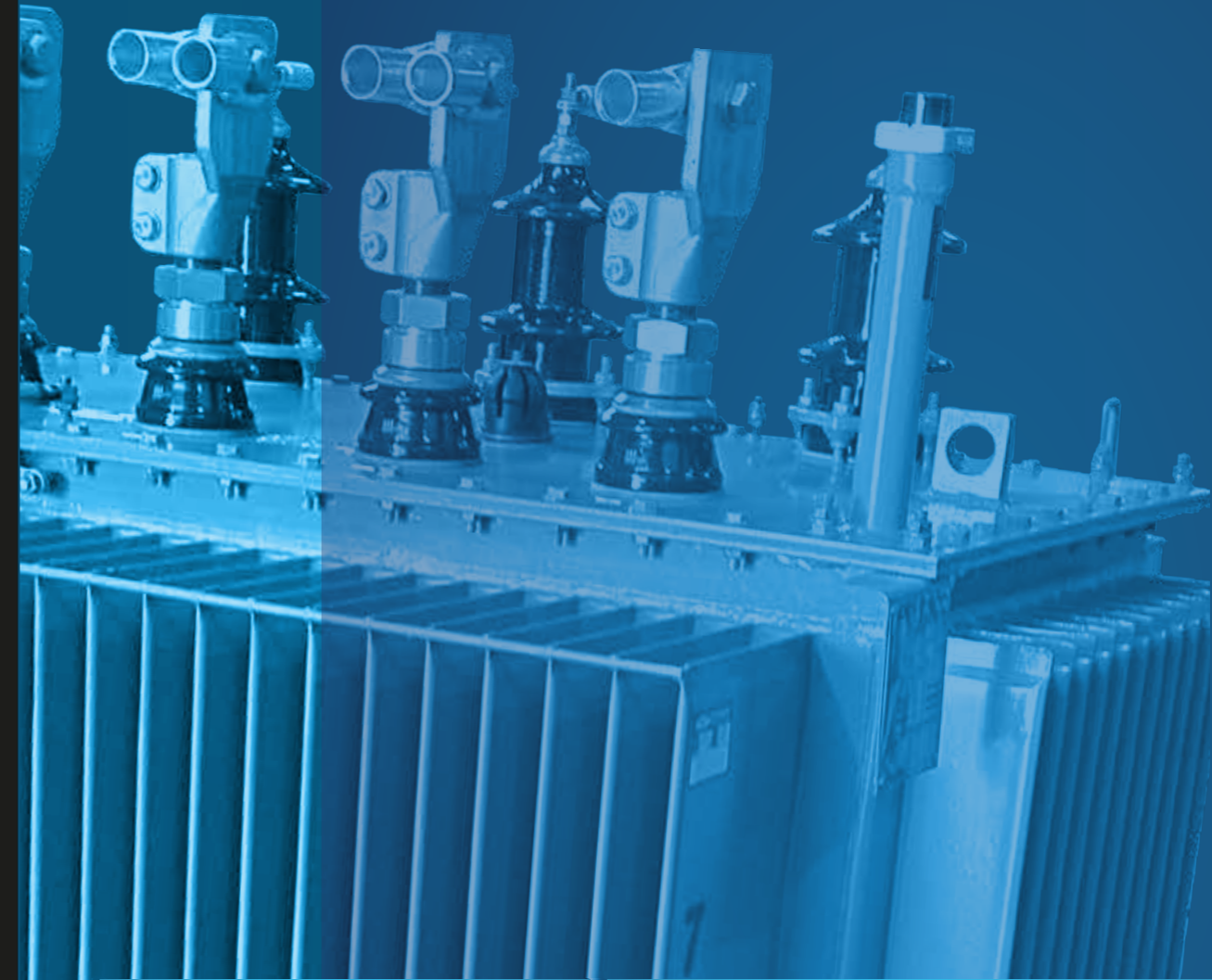




EWT Transformer Sdn Bhd
(25685-D)

Realizing Your Dreams



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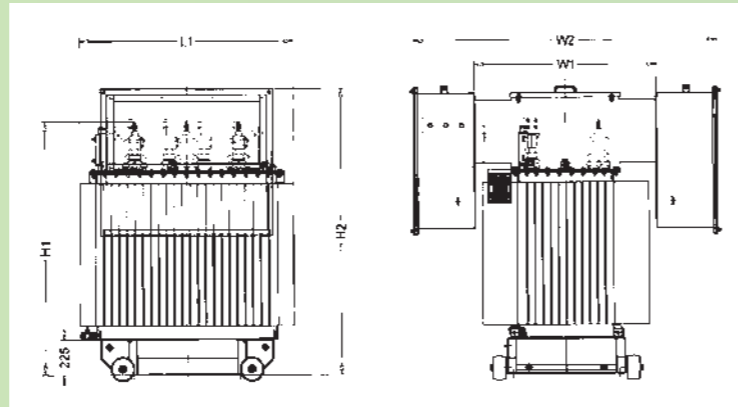
TECHNICAL DATA STANDARD FITTINGS

- * 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 STANDARD FITTINGS

- * Open DIN Bushing
- * Oil Level Indicator
- * Pressure Relief Device
- * Off Circuit Tap Selector
- * Drain Valve
- * Earth Terminals
- * Lifting Lugs and Hold Down Lugs
- * Angle Base with Haulage points

OPTIONAL FITTINGS

- * HV & LV Cable Boxes with undrilled Insulated Gland and lifting spreader
- * Temperature Thermometer Dial Type
- * LV Extended Busbar for Termination
- * Rollers

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(%)	PF.1.0	97.86	98.71	98.89	98.96	99.11
AT 100% LOAD	PF.0.8	97.32	98.39	98.61	98.70	98.89
REGULATION	PF.1.0	1.94	1.20	1.04	1.00	0.86
AT 100% LOAD	PF.0.8	4.13	3.63	3.59	3.52	3.47

DIMENSION DATA

Low Loss Type Model EFG3L (11000/433 Volts)

RATED POWER(kVA)	100	300	500	750	1000	
OIL (LITRE)	259	321	383	560	578	
MASS (kg)	STANDARD	875	1315	1760	2405	2873
	OPTION	1085	1520	1965	2610	3075
LENGTH (mm)	L1	1025	1170	1255	1290	1360
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

TECHNICAL DATA

11000/433V SEB TYPE In Accordance with SEB Specification

RATED POWER(kVA)	50	160	300	500	1000	1500	
RATIO	11000/433V						
NO LOAD LOSS (W)	140	380	600	1000	1400	1600	
LOAD LOSS (W)	880	1930	2800	4100	7000	13750	
IMPEDANCE (%)	4.00	4.75	4.75	4.75	4.75	5.00	
NO-LOAD CURRENT (%)	3.00	1.90	1.8	1.5	1.0	1.0	
EFFICIENCY (%)	PF.1.0	98.08	98.56	98.71	98.89	99.11	98.94
	PF.0.8	97.60	98.2	98.39	98.61	98.89	98.68
REGULATION (%)	PF.1.0	1.71	1.31	1.20	1.04	0.86	1.06
	PF.0.8	3.52	3.77	3.63	3.59	3.47	3.61

RATED POWER(kVA)	50	160	300	500	1000	1500	
OIL (LITRE)	194	358	321	383	578	982	
MASS (kg)	STANDARD	640					
	OPTION		1345	1520	1965	3075	4400
LENGTH (mm)	L1	962	1228	1170	1256	1358	1737
WIDTH (mm)	W1	762					
	W2		2047	1900	1984	2141	2224
HEIGHT (mm)	H1	1275					
	H2		1390	1575	1605	1795	2130

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 (%)	PF.1.0	98.80	98.89	98.68	98.70	98.86	98.83	98.99
AT 100% LOAD	PF.0.8	98.50	98.61	98.35	98.31	98.58	98.54	98.73
REGULATION	PF.1.0	1.67	1.12	1.38	1.32	1.24	1.26	1.10
AT 100% LOAD	PF.0.8	3.60	3.82	4.58	4.06	4.63	4.52	4.36

DIMENSION DATA

Standard Loss Type Model EFG3N (11000/433 Volts)

RATED POWER(kVA)	1000	1250	1500	1600	2000	2500	3000	
OIL (LITRE)	760	683	1078	1085	1214	1148	1299	
MASS (kg)	STANDARD							
	OPTION	2950	3300	4045	4100	4710	5060	6560
LENGTH (mm)	L1	1695	1650	1740	1670	1820	1977	2170
WIDTH (mm)	W1	1210	1180	1285	1265	1370	1442	1537
	W2	2005	1975	2265	2238	2340	2149	2514
HEIGHT (mm)	H1							
	H2	1900	1830	2130	2210	2140	2115	2250

TECHNICAL DATA

33000/433V SEB TYPE In Accordance with SEB Specification

RATED POWER(kVA)	50	160	300	500	1000	1500	
RATIO	33000/433V						
NO LOAD LOSS (W)	140	380	600	1000	1350	1600	
LOAD LOSS (W)	880	1930	2800	4100	7000	13750	
IMPEDANCE (%)	4.60	5.00	4.75	5.00	5.00	6.00	
NO-LOAD CURRENT (%)	3.00	1.90	1.8	1.5	1.0	1.0	
EFFICIENCY (%)	PF.1.0	97.96	98.66	98.22	99.08	99.19	99.01
	PF.1.0	97.46	98.33	98.65	98.85	98.98	98.77
REGULATION (%)	PF.1.0	1.83	1.22	0.98	0.85	0.81	1.05
	PF.1.0	3.87	3.86	3.53	3.58	3.67	4.34

RATED POWER(kVA)	50	160	300	500	1000	1500	
OIL (LITRE)	424	557	666	1264	1303	1461	
MASS (kg)	STANDARD	1055	1575				
	OPTION			2530	3713	4857	5650
LENGTH (mm)	L1	1158	1282	1667	2106	1997	1862
WIDTH (mm)	W1	958	1032				
	W2			2087	2295	2238	2400
HEIGHT (mm)	H1	1390	1455				
	H2			1900	2030	2255	2400

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 (%)	PF.1.0	98.19	98.37	98.27	98.62	98.59
AT 100% LOAD	PF.0.8	97.73	97.96	97.84	98.28	98.23
REGULATION	PF.1.0	1.67	1.56	1.67	1.36	1.42
AT 100% LOAD	PF.0.8	4.20	4.08	4.20	4.00	4.09

DIMENSION DATA

Low Loss Type Model EFG3L (22000/433 Volts)

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
WIDTH (mm)	W1	925	915	1066	1190	1125
	W2					2120
HEIGHT (mm)	H1	1540	1660	1500	1860	1825
	H2					2050

TECHNICAL DATA

33000/11000V SEB TYPE In Accordance with SEB Specification

RATED POWER(kVA)	1000	2500	
RATIO	33000/11000V		
NO LOAD LOSS (W)	1400	3200	
LOAD LOSS (W)	7000	20000	
IMPEDANCE (%)	5.00	6.00	
NO-LOAD CURRENT (%)	1.0	0.9	
EFFICIENCY (%)	PF.1.0	99.17	99.23
	PF.0.8	98.96	99.04
REGULATION (%)	PF.1.0	0.82	0.85
	PF.0.8	3.60	4.31

RATED POWER(kVA)	1000	2500	
OIL (LITRE)	1770	2044	
MASS (kg)	STANDARD		
	OPTION	6470	7495
LENGTH (mm)	L1	1893	2187
WIDTH (mm)	W1		
	W2	2555	2554
HEIGHT (mm)	H1		
	H2	2510	2620

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