

Tør Transformer ED Step 2

Losses Level : AA0Ak (no positive tolerances) T154_ECO21_12kV_BIL2_400 T154
 Standard : EN 50708-1 - EcoDesign 2021
 HV Insulation : 12 kV BIL2 (75/28 kV) - LV Insulation : 1,1 kV (400 V)

Series : T154_ECO21_12kV_BIL2_400	BIL2													
Rated power	kVA	160	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150
Manufacturing cycle	-	NO4/NCC	NO4/NCC	NO4/NCC	NO4/NCC	NO4/NCC	NO4/NCC	NO4/NCC	NO4/NCC	NO4/NCC	NO4/NCC	NO4/NCC	NO4/NCC	NO4/NCC
Installation	-	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Type (Step-Up or Step-Down)	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Rated Frequency	Hz	50	50	50	50	50	50	50	50	50	50	50	50	50
Primary Voltage	V	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500	10500
HV Insulation Level	kV	12	12	12	12	12	12	12	12	12	12	12	12	12
HV Applied voltage / B.I.L.	kV	28 / 75	28 / 75	28 / 75	28 / 75	28 / 75	28 / 75	28 / 75	28 / 75	28 / 75	28 / 75	28 / 75	28 / 75	28 / 75
Secondary Voltage (at no-load)	V	420	420	420	420	420	420	420	420	420	420	420	420	420
HV Tappings	%	+/-2x2.5%	+/-2x2.5%	+/-2x2.5%	+/-2x2.5%	+/-2x2.5%	+/-2x2.5%	+/-2x2.5%	+/-2x2.5%	+/-2x2.5%	+/-2x2.5%	+/-2x2.5%	+/-2x2.5%	+/-2x2.5%
Vector Group	-	D yn11	D yn11	D yn11	D yn11	D yn11	D yn11	D yn11	D yn11	D yn11	D yn11	D yn11	D yn11	D yn11
No Load Losses	W	360	468	557	675	812	990	1170	1395	1620	1980	2340	2790	3420
Load Losses at 75°C	W													
Load Losses at 120°C	W	2600	3400	3877	4500	5630	7100	8000	9000	11000	13000	16000	19000	22000
Impedance Voltage	%	6	6	6	6	6	6	6	6	6	6	6	6	6
Max Altitude	m	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Max Ambient Temperature	°C	40	40	40	40	40	40	40	40	40	40	40	40	40
HV/LV Windings Material	-	Al/Al	Al/Al	Al/Al	Al/Al	Al/Al	Al/Al	Al/Al	Al/Al	Al/Al	Al/Al	Al/Al	Al/Al	Al/Al
Temperature rise	K	100	100	100	100	100	100	100	100	100	100	100	100	100
Noise level														
Acoustic power at AN	dB(A)	53	56	58	59	60	61	63	64	66	67	69	70	73
Acoustic pressure at 1 m at AN	dB(A)	41	44	46	46	47	48	50	50	52	53	55	55	58
Dimensions IP00	kVA	160	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150
Length (+/- 200mm)	mm	1140	1200	1250	1320	1410	1420	1500	1530	1660	1750	1800	1840	1980
Width (+/- 200mm)	mm	650	660	800	800	800	800	800	950	950	950	1230	1230	1270
Height (+/- 200mm)	mm	1280	1370	1410	1460	1450	1550	1680	1860	1780	1940	2130	2330	2560
Total Weight (+/- 20%)	Kg	811	974	1098	1319	1459	1652	2060	2368	2874	3460	3960	4700	6120
Dimensions - IP31 QI - Assembled	kVA	160	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150
Enclosure type		400M	400M	400M	400M	800M	800M	800M	1250M	1250M	2500M	2500M	2500M	ETO
Length (+/- 200mm)	mm	1640	1640	1640	1640	1840	1840	1840	2090	2090	2340	2340	2340	-
Width (+/- 200mm)	mm	1030	1030	1030	1030	1030	1030	1030	1180	1180	1280	1280	1280	-
Height (+/- 200mm)	mm	1905	1905	1905	1905	2155	2155	2155	2340	2340	2740	2740	2740	-
Total Weight (+/- 20%)	Kg	921	1084	1208	1429	1599	1792	2200	2548	3054	3680	4180	4920	-
Weight enclosure IP31	Kg	110	110	110	110	140	140	140	180	180	220	220	220	-