

TRANSFORMER TYPE	PERCENT IMPEDANCE (%IZ)	CSA TOLERANCE
SINGLE PHASE PADMOUNTED (NOTE 1)		
50 kVA	1.8 %	+/- 15
75 kVA	2.8 %	+/- 7.5
100 kVA	4.0 %	+/- 7.5
167 kVA	4.3 %	+/- 7.5
THREE PHASE PADMOUNTED (NOTE 2)		
75 kVA	2.3 %	+/- 15
150 kVA	2.7 %	+/- 7.5
300 kVA	3.2 %	+/- 7.5
500 kVA	3.8 %	+/- 7.5
750 kVA	5.9 %	+/- 7.5
1000 kVA	5.9 %	+/- 7.5
1500 kVA	6.5 %	+/- 7.5
2000 kVA	6.5 %	+/- 7.5
2500 kVA	7.0 %	+/- 7.5
3000 kVA	8.0 %	+/- 7.5
SINGLE PHASE POLE MOUNTED (NOTE 1)		
25 kVA	1.6 %	+/- 15
50 kVA	1.9 %	+/- 15
75 kVA	1.9 %	+/- 15
100 kVA	1.9 %	+/- 15
167 kVA	1.9 %	+/- 15
167 kVA (STEP DOWN)	5.0 %	+/- 7.5
250 kVA (STEP DOWN)	4.5 %	+/- 7.5

TRANSFORMER TYPE	PERCENT IMPEDANCE (%IZ)	CSA TOLERANCE
VAULT TYPE (NOTE 2)		
50 kVA	2.50 %	+/- 7.5
100 kVA	3.75 %	+/- 7.5
167 kVA	3.75 %	+/- 7.5
250 kVA	3.75 %	+/- 7.5
333 kVA	3.75 %	+/- 7.5
* 500 kVA	3.75 %	+/- 7.5
SINGLE PHASE SUBMERSIBLE (RESIDENTIAL)		
25 kVA	1.70 %	+/- 15
50 kVA	1.70 %	+/- 15
75 kVA	2.30 %	+/- 15
100 kVA	2.70 %	+/- 7.5
SINGLE PHASE SUBMERSIBLE (COMMERCIAL)		
50 kVA	4.35 %	+/- 7.5
100 kVA	4.58 %	+/- 7.5
167 kVA	3.75 %	+/- 7.5
250 kVA	3.75 %	+/- 7.5
333 kVA	3.75 %	+/- 7.5
500 kVA	3.75 %	+/- 7.5

\* EXCEPTION FOR 120/208 SECONDARY % IZ = 4.5 % +/- 7.5%

**NOTE\***

1. REFER TO STD. 25-50 - TYPICAL TRANSFORMER SECONDARY CURRENT LIMITING PROTECTION FOR RESIDENTIAL APPLICATIONS.
2. REFER TO STD. 25-40 FOR AVAILABLE SHORT CIRCUIT LEVELS AT THE TRANSFORMER SECONDARY SPADES.

CHECKED: W. Rom

APPROVED: [Signature]

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APPROVED IN ACCORDANCE WITH REGULATION 22/04		
DATE	REVISION	APPVD
10-11-10	- SHOWED CSA TOLERANCE VALUES	<u>[Signature]</u> <u>[Signature]</u>

**TYPICAL TRANSFORMER IMPEDANCES**