

VOLTAGE AND PHASE	kVA	% IMPEDANCE	SHORT CIRCUIT AMPS
120/240 - 1PH	10	2	2,083
	15	2	3,125
	25	2	5,208
	50	2.5	8,333
	75	2.5	12,500
	100	2.5	16,667
	167	2.5	27,833
240/480 - 1PH	25	2	2,604
	37.5	2	3,906
	50	2.5	4,166
	75	2.5	6,250
	100	2.5	8,333
120/208 - 3PH	45	2	6,245
	75	2	10,409
	150	2.5	16,654
	225	2.5	24,982
	300	2.5	33,309
277/480 - 3 PH	45	2	2,706
	75	2	4,511
	112.5	2.5	5,413
	150	2.5	7,217
	225	2.5	10,825
	300	3.0	12,028

For transformers 500kVA and greater, consult with your Minnesota Power Representative. Short circuit currents are maximum available based on an infinite bus source and no additional impedance.

Impedance values are an average of field verified numbers of transformers used in the Eveleth Service Center.

For situations such as mixed banks and open delta banks, use the 3-phase transformer size equal to 3 of the largest single phase transformers present for the maximum available short circuit.



SPECIFICATIONS
DULUTH, MINNESOTA

MAXIMUM SHORT - CIRCUIT CURRENTS