

Contactor

Information for electrical contractors, architects and consulting engineers

To All Electricians:

OPPD has recently re-evaluated maximum transformer fault current values based upon a review of current transformer impedance values. To aid electricians, OPPD has published this data in its Contractor's Reference Library (<http://www.oppd.com/business/contractors-reference-library/>).

Be aware, the new values are significantly higher for some transformers. **Do not order equipment without first consulting this list or obtaining a meter specification from your Electrical Service Designer or Account Executive.**

Keep in mind, this list shows the general maximum fault current value. If more exact values are needed for arc flash studies, protection coordination studies, or other reasons, please consult with your Account Executive or Electric Service Designer.

<http://www.oppd.com/media/250383/max-fault-currents-for-padmouted-transformers.pdf>
<http://www.oppd.com/media/250380/max-fault-currents-for-overhead-transformers.pdf>

For the most current copy of the metering manual, go to www.oppd.com. Click on the Contractor & Developer tab then go to the Reference Library and click on Meter Manual. OPPD Service Center contact information is also available by clicking on Electrical Service Designers.

We value your partnership in providing electrical service to our customer owners. We also welcome your feedback. Email us at Contactor@oppd.com or call Steve Kojdecki 402-552-5835.

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MAXIMUM FAULT CURRENTS FOR PADMOUNTED TRANSFORMERS

FOR SINGLE PHASE TRANSFORMERS

TRANSFORMER SIZE(kVA)	MAXIMUM FAULT CURRENT IN AMPS @ 240 V
10	2,600
15	4,200
25	8,000
37.5	11,200
50	16,000
75	24,000
100	32,100
167	46,400
250	57,900

FOR THREE PHASE TRANSFORMERS

TRANSFORMER SIZE(kVA)	SECONDARY MAXIMUM FAULT CURRENT IN AMPS			
	120/208 V	277/480 V	480 V	4160 V
75	16,000			
150	32,000	13,900	13,900	
225	48,000	20,800	20,800	
300	64,100	27,800	27,800	
500	99,100	46,300	46,300	
750	36,200	15,700	15,700	
1000	48,300	21,000	21,000	
1500		31,400	31,400	3,800
2000		41,800	41,800	
2500		52,300	52,300	6,300

NOTE: THE FAULT CURRENTS LISTED ABOVE ARE MAXIMUM FAULT CURRENT VALUES. IF MORE EXACT VALUES ARE NEEDED FOR ARC FLASH STUDIES, PROTECTION COORDINATION STUDIES, OR OTHER REASONS, PLEASE CONTACT YOUR ACCOUNT EXECUTIVE OR ELECTRIC SERVICE DESIGNER.

3/24/17

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MAXIMUM FAULT CURRENTS FOR OVERHEAD TRANSFORMERS

FOR SINGLE PHASE TRANSFORMERS

TRANSFORMER SIZE(kVA)	MAXIMUM FAULT CURRENT IN AMPS @ 240 V	MAXIMUM FAULT CURRENT IN AMPS @ 480 V
5	1,400	
7.5	2,100	
10	2,800	
15	4,800	
25	7,400	3,700
37.5	11,200	
50	14,900	7,400
75	22,300	10,400
100	32,100	12,300

FOR THREE PHASE TRANSFORMER BANKS

POLE OR VAULT INSTALLATIONS

TRANSFORMER BANK SIZE(kVA)		SECONDARY MAXIMUM FAULT CURRENT IN AMPS			
		120/208 V	240 V	277/480 V	480 V
45	3-15 kVA	9,600	8,300		
75	3-25 kVA	16,000	13,900	6,900	6,900
150	3-50 kVA	32,000	27,800	13,900	13,900
225	3-75 kVA	48,000	41,600	20,800	20,800
300	3-100 kVA	64,100	55,500	27,800	27,800
500	3-167 kVA	86,700	75,200	37,600	37,600
750	3-250 kVA			37,600	37,600
1000	3-333 kVA			50,100	50,100
1500	3-500 kVA			75,200	75,200
2500	3-833 kVA			123,300	123,300

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