

SUBJECT

VAD-2 BREAKER, METALCLAD SWITCHGEAR, SERIES 2

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VAD-2 BREAKER DERATINGS

CATALOG NUMBERS			STD BKR RATINGS			DERATED RATINGS AT OPERAT. VOLT		
1200A VAD-2	2000A VAD-2	3000A VAD-2	MAX KV	SHORT CIRC KA	REF MVA	OPER VOLT KV	MAX SYM INT CAP KA	ACT MVA
-15050-12	-15050-20	--	15.0	18	500	2.4	23	100
-15025-12	-05025-20	--	4.76	29	250	2.4	36	150
-05035-12	-05035-20	-05035-30	4.76	41	350	2.4	49	204
-15050-12	-15050-20	--	15.0	18	500	4.16	23	166
-05025-12	-05025-20	--	4.76	29	250	4.16	36	239
-05035-12	-05035-20	-05035-30	4.76	41	350	4.16	49	350
-15050-12	-15050-20	--	15.0	18	500	4.8	23	191
-15075-12	-05075-20	--	15.0	28	750	4.8	36	341
-15100-12	-15100-20	-15100-30	15.0	37	1000	4.8	48	406
-15050-12	-15050-20	--	15.0	18	500	7.2	23	287
-15075-12	-05075-20	--	15.0	28	750	7.2	36	500
-15100-12	-15100-20	-15100-30	15.0	37	1000	7.2	48	610
-15050-12	-15050-20	--	15.0	18	500	8.32	23	331
-15075-12	-05075-20	--	15.0	28	750	8.32	36	519
-15100-12	-15100-20	-15100-30	15.0	37	1000	8.32	48	698
-15050-12	-15050-20	--	15.0	18	500	12.0	23	468
-15075-12	-05075-20	--	15.0	28	750	12.0	35	727
-15100-12	-15100-20	-15100-30	15.0	37	1000	12.0	46.2	959
-15050-12	-15050-20	--	15.0	18	500	12.47	21.6	468
-15075-12	-05075-20	--	15.0	28	750	12.47	33.7	727
-15100-12	-15100-20	-15100-30	15.0	37	1000	12.47	44.5	960
-15050-12	-15050-20	--	15.0	18	500	13.2	20.5	468
-15075-12	-05075-20	--	15.0	28	750	13.2	31.8	727
-15100-12	-15100-20	-15100-30	15.0	37	1000	13.2	42.0	959
-15050-12	-15050-20	--	15.0	18	500	13.8	19.5	468
-15075-12	-05075-20	--	15.0	28	750	13.8	30.4	727
-15100-12	-15100-20	-15100-30	15.0	37	1000	13.8	40.2	959

A	7/93	JWM								PREPARED		
										BY	DATE	APPROVED
										JWM	12/7/87	JWM

SQUARE D COMPANY SMYRNA, TN	ENGINEERING STANDARD	E 51151
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1. Maximum Symmetrical Interrupting Capability at Operating Voltage =

$$\frac{\text{Rated Short Circuit Current} \times \text{Maximum Rated Voltage}}{\text{Operating Voltage}}$$

This value shall not exceed the value shown in Engineering Standard E50001 for maximum symmetrical interrupting capability at rated minimum voltage.

2. Actual MVA = $\sqrt{3}$ x Operating Voltage x Maximum Symmetrical Interrupting Capability at Operating Voltage

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