

# Quick Reference Guide

## Protection Sizing for Square D® Brand Low Voltage Transformers

This document lists common circuit breaker sizes for the protection of Square D® brand low voltage transformers.

**Table 1: Three Phase, 150 °C Rise, TP1, Aluminum Winding, 480V to 208Y/120V, 60Hz**

kVA	Transformer Catalog Number	Primary Nameplate Current	Primary Circuit Breaker		Magnetic Trip Setting	Transformer Primary Lug Kit	Secondary Nameplate Current	Secondary Circuit Breaker		Transformer Secondary Lug Kit
			Handle Rating	Frame				Handle Rating	Frame	
15	EE15T3H	18	25 A	ED/EG/EJ	N/A	DASKP100	41.7	60 A	QOB, QOB-VH	DASKS100
				FA		DASKP100			FA	DASKS100
				H		DASKP100			H	DASKS100
30	EE30T3H	36.1	50 A	ED/EG/EJ	N/A	DASKP100	83.4	100 A	QOB, QOB-VH	DASKS100
				FA		DASKP100			Q	DASKS100
				H		DASKP100			H	DASKS100
45	EE45T3H	54.2	70 A	ED/EG/EJ	N/A	DASKP100	125.1	150 A	QOB, QOB-VH	DASKS250
				FA		DASKP100			Q	DASKS100
				H		DASKP100		J	DASKS250	
75	EE75T3H	90.3	125 A	ED/EG/EJ	N/A	DASKP250	208.4	225 A or 250 A	Q	DASKS100
			150 A	J		8x			DASKP250	J
112.5	EE112T3H	135.5	175 A	J	8x	DASKP250	312.6	225 A or 250 A	Q	DASKS100
									J	DASKS250
								400 A	LA	DASKS400
150	EE150T3H	180.6	250 A	J, LA	7x (J), 3x (LA)	DASKP400	416.9	600 A	M, P	DASKS1000
225	EE225T3H	271	350 A	LA	10x	DASKP400	625.3	800 A	M, P	DASKS1000
300	EE300T3H	361.3	500 A	M, P	8x (M), 6x (P)	DASKP1000	833.7	1200 A	P	DASKS1200
500	EE500T68H	602.1	800 A	P	8x	DASKP1000	1389.5	1600 A	R	DASKS1200

**Table 2: Three Phase, 150 °C Rise, TP1, Copper Winding, 480V to 208Y/120V, 60Hz**

kVA	Transformer Catalog Number	Primary Nameplate Current	Primary Circuit Breaker		Magnetic Trip Setting	Transformer Primary Lug Kit	Secondary Nameplate Current	Secondary Circuit Breaker		Transformer Secondary Lug Kit
			Handle Rating	Frame				Handle Rating	Frame	
15	EE15T3HCU	18	25 A	ED/EG/EJ	N/A	DASKP100	41.7	60 A	QOB, QOB-VH	DASKS100
				FA		DASKP100			FA	DASKS100
				H		DASKP100			H	DASKS100
30	EE30T3HCU	36.1	50 A	ED/EG/EJ	N/A	DASKP100	83.4	100 A	QOB, QOB-VH	DASKS100
				FA		DASKP100			Q	DASKS100
				H		DASKP100			H	DASKS100
45	EE45T3HCU	54.2	70 A	ED/EG/EJ	N/A	DASKP100	125.1	150 A	QOB, QOB-VH	DASKS250
				FA		DASKP100			Q	DASKS100
				H		DASKP100		J	DASKS250	
75	EE75T3HCU	90.3	125 A	ED/EG/EJ, H	N/A	DASKP250	208.4	225 A or 250 A	Q	DASKS100
			150 A	J		7x			DASKP250	J
112.5	EE112T3HCU	135.5	250 A	J	10x	DASKP250	312.6	225 A or 250 A	Q	DASKS100
									J	DASKS250
								400 A	LA	DASKS400
150	EE150T3HCU	180.6	300 A	LA	10x	DASKP400	416.9	600 A	M, P	DASKS1000
225	EE225T3HCU	271	350 A	LA	10x	DASKP400	625.3	800 A	M, P	DASKS1000
300	EE300T3HCU	361.3	500 A	M, P	8x (M), 6x (P)	DASKP1000	833.7	1200 A	P	DASKS1200
500	EE500T68HCU	602.1	800 A	P	10x	DASKP1000	1389.5	1600 A	R	DASKS1200

**Table 3: Three Phase, 115 °C Rise, TP1, Aluminum Winding, 480V to 208Y/120V, 60Hz**

kVA	Transformer Catalog Number	Primary Nameplate Current	Primary Circuit Breaker		Magnetic Trip Setting	Transformer Primary Lug Kit	Secondary Nameplate Current	Secondary Circuit Breaker		Transformer Secondary Lug Kit
			Handle Rating	Frame				Handle Rating	Frame	
15	EE15T3HF	18	25 A	ED/EG/EJ	N/A	DASKP100	41.7	60 A	QOB,QOB-VH	DASKS100
				FA					FA	
				H					H	
30	EE30T3HF	36.1	50 A	ED/EG/EJ	N/A	DASKP100	83.4	100 A	QOB, QOB-VH	DASKS100
				FA					Q	
				H					H	
45	EE45T3HF	54.2	70 A	ED/EG/EJ	N/A	DASKP100	125.1	150 A	QOB, QOB-VH	DASKS250
				FA					Q	
				H					J	
75	EE75T3HF	90.3	125 A	ED/EG/EJ, H	N/A	DASKP250	208.4	225 A or 250 A	Q	DASKS100
			150 A	J					5x	
112.5	EE112T3HF	135.5	225 A	J	10x	DASKP250	312.6	225 A or 250 A	Q	DASKS100
									400 A	
150	EE150T3HF	180.6	250 A	J, LA	10x	DASKP400	416.9	600 A	M, P	DASKS1000
225	EE225T3HF	271	350 A	LA	10x	DASKP400	625.3	800 A	M, P	DASKS1000
300	EE300T3HF	361.3	500 A	P	6x	DASKP1000	833.7	1200 A	P	DASKS1200
500	EE500T68HF	602.1	800 A	P	10x	DASKP1000	1389.5	1600 A	R	DASKS1200

**Table 4: Three Phase, 80 °C Rise, TP1, Aluminum Winding, 480V to 208Y/120V, 60Hz**

kVA	Transformer Catalog Number	Primary Nameplate Current	Primary Circuit Breaker		Magnetic Trip Setting	Transformer Primary Lug Kit	Secondary Nameplate Current	Secondary Circuit Breaker		Transformer Secondary Lug Kit
			Handle Rating	Frame				Handle Rating	Frame	
15	EE15T3HB	18	25 A	ED/EG/EJ	N/A	DASKP100	41.7	60 A	QOB,QOB-VH	DASKS100
				FA					FA	
				H					H	
30	EE30T3HB	36.1	50 A	ED/EG/EJ	N/A	DASKP100	83.4	100 A	QOB, QOB-VH	DASKS100
				FA					Q	
				H					H	
45	EE45T3HB	54.2	80 A	ED/EG/EJ	N/A	DASKP100	125.1	150 A	QOB, QOB-VH	DASKS250
				—					Q	
				—					J	
75	EE75T3HB	90.3	—	—	—	DASKP250	208.4	225 A or 250 A	Q	DASKS100
			150 A	J					9x	
112.5	EE112T3HB	135.5	225 A	J	10x	DASKP250	312.6	225 A or 250 A	Q	DASKS100
									400 A	
150	EE150T3HB	180.6	300 A	LA	10x	DASKP400	416.9	600 A	M, P	DASKS1000
225	EE225T3HB	271	350 A	LA	10x	DASKP400	625.3	800 A	M, P	DASKS1000
300	EE300T3HB	361.3	500 A	M, P	10x (M), 6x (P)	DASKP1000	833.7	1200 A	P	DASKS1200
500	EE500T68HB	602.1	800 A	P	10x	DASKP1000	1389.5	1600 A	R	DASKS1200

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