

Frequently Asked Transformer Questions

Primary and Secondary Fuse Recommendations for all Three Phase Transformers

Primary General Purpose Transformers					Secondary General Purpose Transformers				Primary Drive Isolation Transformers				Secondary Drive Isolation Transformers	
VA	208	240	480	600	208	240	380	480	VA	230	460	575	230	460
3000	12 (20)	9 (17.5)	5 (9)	4 (7)	12	9	6	5	7500	25 (45)	12 (20)	10 (17.5)	25	12
6000	25 (40)	20 (35)	9 (15)	8 (12)	25	20	12	9	11000	35 (60)	17.5 (30)	15 (25)	35	17.5
9000	35 (60)	30 (50)	15 (25)	12 (20)	35	30	18	15	14000	45 (85)	25 (40)	20 (35)	45	25
15000	60 (100)	50 (90)	25 (45)	20 (35)	60	50	30	25	20000	70 (125)	35 (60)	30 (50)	70	35
30000	110 (200)	100 (175)	50 (90)	40 (70)	110	100	60	50	27000	85 (150)	45 (80)	35 (60)	90	45
45000	175 (300)	150 (250)	70 (125)	60 (100)	175	150	90	70	34000	110 (200)	60 (100)	45 (80)	110	60
75000	300 (500)	250 (450)	125 (225)	100 (175)	300	250	150	125	40000	150 (250)	70 (125)	60 (100)	150	70
112500	400 (750)	350 (650)	175 (300)	150 (250)	400	350	225	175	51000	175 (300)	80 (150)	70 (150)	175	80
150000	600 (1000)	500 (900)	250 (450)	200 (350)	600	500	300	250	63000	200 (350)	100 (175)	80 (150)	200	100
225000	--	--	350 (650)	300 (500)	800	700	450	350	75000	250 (450)	125 (225)	100 (175)	250	125
300000	--	--	500 (900)	400 (700)	1200	1000	600	500	93000	300 (500)	150 (250)	125 (225)	300	150
500000	--	--	800 (1500)	650 (1200)	1800	1600	1000	800	118000	400 (700)	200 (350)	150 (250)	400	200
									145000	500 (800)	250 (450)	200 (350)	500	250
									175000	--	300 (500)	225 (400)	600	300
									220000	--	350 (650)	300 (500)	700	350
									275000	--	450 (850)	350 (600)	900	450
									330000	--	600 (1000)	450 (800)	1200	600
									440000	--	700 (1350)	600 (1000)	1400	700

Fuse = I*125% next size higher if primary current is 9 Amp or higher. No secondary fusing required.
 (Fuse) = (I*250%) next size smaller if primary current is 9 Amps. or higher. Secondary fusing is required. See chart for size.

OUTPUT FUSE=I*125% next size higher if secondary current is 9 Amps or higher. Recommended fuse size per NEC450.3[B] and commercially available fuse types.