



WHITEMARSH TOWNSHIP ELECTRICAL LOAD CALCULATION WORKSHEET FOR SINGLE FAMILY DWELLINGS

STEP 1: Enter the TOTAL NUMBER of each item requested in the left-hand column.

STEP 2: MULTIPLY the number in the left-hand column by the number of watts provided in the right column to calculate the total watts used by that item

ITEM 1 - Square feet of living space: _____	MULTIPLY x 3 watts each: _____
ITEM 2 - Small appliance circuits: (minimum of 2 required) _____	MULTIPLY x 1500 watts each: _____
ITEM 3 - 220V Dryer circuits: _____	MULTIPLY x 5000 watts each: _____
ITEM 4 - 220V Range Oven circuits: _____	MULTIPLY x 8000 watts each: _____
ITEM 5 - 220V Oven circuits: _____	MULTIPLY x 4000 watts each: _____
ITEM 6 - 220V Cooktop circuits: _____	MULTIPLY x 4500 watts each: _____
ITEM 7 - 220V Water Heater circuits: _____	MULTIPLY x 3000 watts each: _____
ITEM 8 - 110V Refrigerator circuits: _____	MULTIPLY x 1400 watts each: _____
ITEM 9 - 110V Microwave circuits: _____	MULTIPLY x 1630 watts each: _____
ITEM 10 - 110V Dishwasher circuits: _____	MULTIPLY x 1500 watts each: _____
ITEM 11 - 110V Laundry circuits: (minimum of 1 required) _____	MULTIPLY x 1500 watts each: _____
ITEM 12 - 110V Garbage Disposal circuits: _____	MULTIPLY x 750 watts each: _____
ITEM 13 - 110V Trash Compactor circuits: _____	MULTIPLY x 1500 watts each: _____
ITEM 14 - 110V Forced Air Unit circuits: _____	MULTIPLY x 690 watts each: _____

TOTAL WATTS SUBTOTAL: _____
(add together the total watts for items 1-14)

STEP 3: Use your calculated TOTAL WATTS SUBTOTAL to complete Parts A, B, & C to determine TOTAL WATTS

For Part A - if your sub-total is under 10,000 watts, just put in your total watts sub-total

For Part B - if the sub-total is over 10,000 watts, multiply the amount over 10,000 by 0.40

For Part C - tons are determined per unit. Check your A/C unit for your exact tonnage.

PART A) Count the first 10,000 Watts at 100%: _____

PART B) Count remaining Watts x 40%: _____

PART C) Tons of A/C x 1720 Watts per ton: _____

TOTAL WATTS: _____
(add together Parts A, B, & C)

TOTAL AMPS: _____
(divide TOTAL Watts by 240)

**MINIMUM SERVICE SIZE:
100 AMPS**