

NEC Standard Electrical Load Calculation for Dwellings

Owner: _____ Location: _____

Total Floor Area of Dwelling (NEC 220.12) _____ SQ FT.

| Factor | Quantity | Volt Amperes (VA) |
|--|-----------------------|----------------------|
| “General Lighting” | | |
| 1. General Lighting (SQ FT X 3 VA/SQ FT (Table 220.12)) | s.f. | |
| 2. Small Appliance Circuits (1500 VA per circuit) (NEC 220.52(A)) (min. 2) | | |
| 3. Laundry Circuit (1500 VA per circuit) (NEC 220.52(B)) | | |
| 4. Total General Lighting Load (Add lines 1, 2 & 3): | | |
| 5. First 3000 VA @ 100%: | | 3000 |
| 6. Total General Lighting Load – 3000 = _____ @ 35%= | | |
| 7. Net General Lighting Load (Per NEC T. 220.42) (Add lines 5 & 6): | | |
| Appliances | | |
| | Quantity | Volt Amperes (VA) |
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| | | |
| | | |
| | Total | |
| 8. 3 or less Appliances, Total Appliance VA; 4 or more Appliances, 75% Total Appliance VA (NEC 220.53): | | |
| Other Loads (other than motors) | | |
| | Nameplate Rating (VA) | Adjusted Rating (VA) |
| 9. | | |
| 10. | | |
| 11. | | |
| 12. | | |
| 13. | | |
| 14. 25% of largest motor (NEC 430.24) | | |
| Total Volt-Amperes (VA) (Add lines 7, 8 & 9 thru 14) = | | |
| Total Volt-Amperes / 240-volts = Amperes | | |
| Conductor Size (Indicate Copper or Aluminum) | | |
| Service Rating (Amperes) | | |

Note: See 2008 NEC Annex D, Example D1