

LOAD CALCULATION  
SINGLE FAMILY DWELLING  
National Electrical Code 2012 – Section 220

LOAD INCLUDED AT 100 %

Heat Pump:

Compressor..... \_\_\_\_\_ \*Amps

Indoor Fan Motor..... \_\_\_\_\_ \*Amps

Outdoor Fan Motor..... \_\_\_\_\_ \*Amps

TOTAL ..... \_\_\_\_\_ Amps x 240 V - 1000 \_\_\_\_\_ KW (a)

Auxiliary Heat: 65 % x \_\_\_\_\_ \*KW ..... \_\_\_\_\_ KW (b)

OTHER LOAD

Lighting: \_\_\_\_\_ sq. foot x 3 - 1000 ..... \_\_\_\_\_ KW

Required 20 amp appliance  
circuits: 2 @ 1500 W - 1000 ..... 3.0 KW

Laundry Circuits: 1500 W - 1000 ..... 1.5 KW

Range: \_\_\_\_\_ \* watt - 1000 ..... \_\_\_\_\_ KW

Dryer: \_\_\_\_\_ \* watt - 1000 ..... \_\_\_\_\_ KW

Water Heater: \_\_\_\_\_ \* watt - 1000 ..... \_\_\_\_\_ KW

Other: \_\_\_\_\_ \* watt - 1000 ..... \_\_\_\_\_ KW

TOTAL OTHER LOAD ..... \_\_\_\_\_ KW

First 10 KW at 100% ..... \_\_\_\_\_ KW (c)

Remainder: \_\_\_\_\_ KW @ 40 % ..... \_\_\_\_\_ KW (d)

TOTAL CALCULATED LOAD (a + b + c + d): ..... \_\_\_\_\_ KW

SERVICE RATING

Total Calculation Load \_\_\_\_\_ KW x 1000 - 240 V ..... \_\_\_\_\_ Amps

\* Numbers to be copied from equipment or appliance.