

# MANUAL J Summary

NOTE: The load calculation must be calculated on a *room basis*. Room loads are a mandatory requirement for making *Manual D* duct sizing calculations.

### Design Information:

Project: \_\_\_\_\_

Location: \_\_\_\_\_

	Htg	Clg
Outside db (°F)	_____	_____
Inside db (°F)	_____	_____
Design TD (°F)	_____	_____

If design conditions used are not those listed in Table 1 or 1A Manual J please justify. \_\_\_\_\_

### Infiltration

Method: \_\_\_\_\_

Construction Quality: \_\_\_\_\_

# Fireplaces (open fire box): \_\_\_\_\_

### Summary

Total Heating Load: \_\_\_\_\_ (Btuh)

Heating Fan: \_\_\_\_\_ (CFM)

Total Cooling Load: \_\_\_\_\_ (Btuh)

Cooling Fan: \_\_\_\_\_ (CFM)

### Heating Equipment

Furnace Model #: \_\_\_\_\_

Input : \_\_\_\_\_ (Btuh)

AFUE: \_\_\_\_\_ Multi-stage: Yes \_\_\_ No\_\_\_

Output Adjustment (adjust for efficiency, altitude duration and gas heat value) \_\_\_\_\_ (Btuh)

*Attach adjustment calculations*

If Adjusted Output is greater than 1.5 times the Total Heating Load, please justify: \_\_\_\_\_

### Cooling Equipment:

A/C model #: \_\_\_\_\_

Cooling Capacity: \_\_\_\_\_ (Btuh)

Condenser SEER : \_\_\_\_\_

Evap. Coil M/N: \_\_\_\_\_

Expansion/Metering: Orifice\_\_\_ TXV\_\_\_

Actual SEER rating with selected coil, furnace and metering. SEER: \_\_\_\_\_

*Attach manufacturer's data or ARI report showing actual cooling capacity and actual SEER using these components.*

If Cooling Capacity is greater than 1.3 times the Total Cooling Load, please justify: \_\_\_\_\_