

COOLING ESTIMATE WORKSHEET
AREA SQ. FT. (X) BTU MULT. FACTOR = BTU/HR.

AREA SQ. FT.	BTU MULT. FACTORS INSULATION							BTU/HR
	0"	1"	2"	3"	4"	6"	10"	
NET EXPOSED WALLS & PARTITIONS								
8" MASONRY BLOCK PLASTERED _____	10.6							_____
8" MASONRY BLOCK FURRED & PLASTERED _____	7.5	3	2.5	2				_____
8" SOLID CONCRETE _____	16.2	5.3						_____
FRAME — BRICK VEN. STUCCO, WOOD OR ALUMINUM SIDING _____	9.7	5	4.5	3.5				_____
CEILINGS — UNDER								
VENTED ATTIC OR UNCONDITIONED SPACE ROOF CEILING COMBINATION, NO ATTIC _____	11.6	5	3.5	3	2.3	2	1.6	_____
	15.6		4.8		3.5	2.6		_____
FLOORS — OVER								
UNCONDITIONED ROOM _____	4	3	2.2	1.6	1.3	1		_____
VENTED CRAWL SPACE OR GARAGE _____	5.5	3.6	2.4	1.8	1.4	1		_____
CLOSED CRAWL SPACE, BASEMENT OR CONCRETE SLAB ON GROUND OR CLOSED CRAWL SPACE _____	0	0	0	0	0	0		_____
GLASS AREA — INCLUDING GLASS DOORS	UNSHADED			DRAPES OR BLINDS				
	SINGLE	STORM	TRIPLE	SINGLE	STORM	TRIPLE		
NORTH _____	46	33	24	33	26	18		_____
EAST & WEST _____	117	97	55	78	65	41		_____
SOUTH _____	65	52	32	46	34	25		_____
ALL DIRECTIONS IF SHADED BY PATIO, AWNING OR OTHER OUTSIDE SHADE _____	SINGLE 40			STORM 26				_____

DOORS — OTHER THAN GLASS _____	X	17.5	_____
OCCUPANCY LOAD — NO. OF BEDROOMS _____	X	920	_____
APPLIANCE LOAD — AVERAGE HOME _____			1600

OUTSIDE DESIGN TEMP. FACTOR

85° = .50	90° = .75	95° = 1.0
100° = 1.25	105° = 1.50	119° = 1.75

DUCTWORK FACTOR

DUCT LOCATED INSIDE CONDITIONED SPACE	1.0
DUCT LOCATED OUTSIDE CONDITIONED SPACE WITH 1" BLANKET INSULATION	1.15
WITH 2" BLANKET INSULATION	1.1

TOTAL BTU/HR. HEAT GAIN FOR
20° DESIGN TEMP. DIFFERENCE = _____
 DUCT FACTOR X ABOVE = _____

DESIGN TEMP. FACTOR

X ABOVE IS TOTAL BTU/HR = _____

NOTES

1. LATENT LOAD INCLUDED IN ABOVE
2. VENTILATION INCLUDED IN ABOVE
3. NET WALL EQUAL GROSS WALL LESS WINDOWS AND DOORS.

- 1. Heating System Type _____
- 2. Make of Furnace _____
- 3. BTUH Output _____
- 4. Existing Ductwork and System Operation Comments: _____

NEW INSTALLATION DATA

- 1. Equipment Location:
 - A. Unit: Basement _____ Utility Room _____ Attic _____
 Crawl Space _____ Roof _____ Outdoors _____
 Location of Condensing Unit _____
- 2. Controls:
 - A. Thermostat: Heating Only _____ Heating-Cooling _____
 Cooling Only _____ Other _____
 - B. Humidistat: Duct Type _____ Wall Type _____
- 3. Utilities:
 - A. Electrical Service: Capacity _____ Volts _____
 Adequate _____
 - B. Condensate Disposal: _____
 - C. Gas Service: Type: _____ Meter Location _____
 - D. Oil Service: Type: _____ Tank Location _____
 - E. Chimney: Type: _____ Flue Size _____
 Adequate _____

CONTRACTOR: _____
 ADDRESS: _____
 SURVEY BY: _____
 ESTIMATE BY: _____
 DATE: _____