

In accordance with ACCA Manual J  
Properly Sized - Professionally Installed

**Report Prepared By:****Comfort-Calc**

1069 Pennsylvania Ave 508 Brighton Place  
Mechanicsburg, PA 17111 Mechanicsburg, PA. 17055  
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**For:**

1000 Kember  
12 Maple Terrace  
Ledyard, CT 06339

**Design Conditions:** Ledyard

**Indoor:**

Summer temperature: 72  
Winter temperature: 72  
Relative humidity: 50

**Outdoor:**

Summer temperature: 86  
Winter temperature: 5  
Summer grains of moisture: 102  
Daily temperature range: Medium

Building Component		Sensible Gain (BTUH)	Latent Gain (BTUH)	Total Heat Gain (BTUH)	Total Heat Loss (BTUH)
<b>Whole House</b>	<b>2,385.6 sq.ft.</b>	<b>18,438</b>	<b>6,721</b>	<b>25,159</b> <b>( 2 tons )</b>	<b>49,660</b>
Basement		5,745	2,177	7,922	16,274
Storage	190 sq.ft.	24	0	24	1,978
Mechanical Room	96 sq.ft.	0	0	0	1,155
Hall	77 sq.ft.	0	0	0	124
Laundry	51 sq.ft.	0	0	0	455
Stairs	19 sq.ft.	0	0	0	339
Craft Room	155 sq.ft.	940	385	1,325	2,395
Family Room	250 sq.ft.	3,850	1,623	5,473	6,281
Bathroom	39 sq.ft.	24	0	24	89

<b>Building Component</b>		<b>Sensible Gain (BTUH)</b>	<b>Latent Gain (BTUH)</b>	<b>Total Heat Gain (BTUH)</b>	<b>Total Heat Loss (BTUH)</b>
workshop	245 sq.ft.	907	169	1,076	3,458
<b>First Floor</b>		<b>12,693</b>	<b>4,543</b>	<b>17,236</b>	<b>33,386</b>
Living Room	260 sq.ft.	1,930	323	2,253	9,086
Entry Foyer	51 sq.ft.	821	408	1,229	3,290
Hall	71 sq.ft.	143	0	143	252
Bedroom Rhett	115 sq.ft.	1,193	399	1,592	2,197
Bedroom Brynn	142 sq.ft.	1,515	455	1,970	3,141
Stairway	44 sq.ft.	203	42	245	576
Kitchen	162 sq.ft.	1,477	548	2,025	5,148
Master Bedroom	179 sq.ft.	2,009	783	2,792	4,120
Bathroom	96 sq.ft.	558	112	670	1,615
Dining Room	138 sq.ft.	2,815	1,473	4,288	3,868
Entry	6 sq.ft.	29	0	29	93
<b>Whole House</b>	<b>2,385.6 sq.ft.</b>	<b>18,438</b>	<b>6,721</b>	<b>25,159 ( 2 tons )</b>	<b>49,660</b>