

LAUNDRY	147	1375	1918	108	88
WH	15	0	0	0	0
HCL	16	0	0	0	0
OFFICE	134	1233	1586	97	73
LIVING	374	2932	5261	230	241
COAT	17	0	0	0	0
BR 2	30	0	0	0	0
BR 2	287	3433	5540	269	254
Entire House	2296	19550	27313	1533	1533
Water equipment		4064	4040		
Equip. @ 1.00 RSM			31353		
Latent cooling			12757		
TOTALS	2296	23615	44111	1533	1533

SAMPLE FILE

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



Project Information

For: Sample Project, Anybody's Ready Built Home
1234 First street, Anywhere, USA 12345
Phone: 123-456-7890

Notes: Anybody's Ready Built Home, Anywhere, USA.

Design Information

Weather: Vero Beach Muni, FL, US

Winter Design Conditions

Outside db 43 °F
Inside db 70 °F
Design TD 27 °F

Ventilation Method

Summer Design Conditions

Outside db 91 °F
Inside db 75 °F
Design TD 16 °F
Daily range L
Relative humidity 50 %
Moisture difference 59 gr/lb

Heating Summary

Structure 11217 Btuh
Ducts (R-6.0) 833 Btuh
Central vent (137 cfm) 40 Btuh
Outside air
Humidification 0 Btuh
Piping 0 Btuh
Equipment load 23615 Btuh

Infiltration

Method Simplified
Construction quality Tight
Fireplaces 1 (Tight)

	Heating	Cooling
Area (ft²)	2296	2296
Volume (ft³)	18368	18368
Air changes/hour	0.11	0.06
Equiv. AVF (cfm)	34	18

Heating Equipment Summary

Make Bryant
Trade BRYANT HEATING AND COOLING SYS...
Model FX4DN(B,F)061L
AHRI ref 7018551

Efficiency 100 AFUE
Heating input 12.0 kW
Heating output 40956 Btuh
Temperature rise 24 °F
Actual air flow 1533 cfm
Air flow factor 0.078 cfm/Btuh
Static pressure 0.59 in H2O
Space thermostat

Sensible Cooling Equipment Load Sizing

Structure 16180 Btuh
Ducts (R-6.0) 11133 Btuh
Central vent (137 cfm) 2333 Btuh
Outside air
Blower 1707 Btuh
Use manufacturer data
Rate/swing multiplier 1.00
Equipment sensible load 31353 Btuh

Latent Cooling Equipment Load Sizing

Structure 3641 Btuh
Ducts 3593 Btuh
Central vent (137 cfm) 5524 Btuh
Outside air
Equipment latent load 2757 Btuh

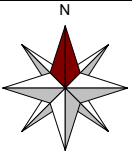
Equipment Total Load (Sen+Lat) 44111 Btuh
Req. total capacity at 0.70 SHR 3.7 ton

Cooling Equipment Summary

Make Bryant
Trade BRYANT HEATING AND COOLING SYS...
Cond 123ANA04...C*
Coil FX4DN(B,F)061L
AHRI ref 7018551

Efficiency 11.0 EER, 13 SEER
Sensible cooling 32200 Btuh
Latent cooling 13800 Btuh
Total cooling 46000 Btuh
Actual air flow 1533 cfm
Air flow factor 0.04 cfm/Btuh
Static pressure 0.59 in H2O
Load sensible heat ratio 0.71

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



SS

SAMPLE

Sheet 1



PLAN

Job #: Anybody's Ready Built Home
Performed by Craig C. Brooks for:

Sample Project
 1234 First street
 Anywhere, USA 12345
 Phone: 123-456-7890

WebREPS, LLC

1892 Commerce Avenue
 Vero Beach, FL 32960
 Phone: 800-810-3280 Fax: 888-971-2999 License: C054...
 www.webrepswholesale.com manualj@webreps.com

Scale: 1 : 102

Right-Suite® Universal 2024
 24.0.01 RSU16998

2024-Aug-06 09:24:55
 ...ft HV... Sample J Room X Room.rup