



## Box Load Calculation

<b>Quote/Order #</b>
<b>22-IB-71820</b>

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CCB #0091759

**Box #:** 1  
**Box Description:** 7' - 6" x 7' - 0" x 7' - 4 3/4" rectangular indoor cooler (+35°F) (no floor)

**System Name:** System #1  
**Holding Temp. (° F):** 35                      **Ambient Temp. @ Chamber (° F):** 85  
**Altitude (Ft.):** 911                      **Ambient Temp. @ Cond. Unit (° F):** 90  
**RH %:** 90%

**System Summary:** (1) CCH0005MCACZ w/ (1) CEL0060AS6AMAB0200 -  
 7335 BTU/H Capacity @ 9.8° F TD @ 9.3 hour runtime  
 @ 85°F ambient / 35°F room temp. / 911ft altitude

<b>Load Summary:</b>	Surfaces	1,282	30.08%	
<b>(BTU/H)</b>	Infiltration	2,526	59.27%	2.00 times ASHRAE's recommended infiltration load
	Product	208	4.89%	ASHRAE recommended values for holding load only
	Misc.	245	5.75%	
	<b>Total</b>	<b>4,262</b>		

Product Data	
Product Weight (lbs.)	593
Pull Down Time (Hours)	24
Entering Temp. (° F)	40
Final Temp. (° F)	35
Freezing Point (° F)	29
Specific Heat - Above	0.90
Specific Heat - Below	0.40
Latent Heat of Fusion	115.00
Respiration Load	0.00
Heat of Respiration	0.00

Misc. Data	
Motor HP Equivalence	0.02
Lighting Watts / Ft. <sup>2</sup>	0.33
Occupancy	0.01
Forklift	0.00
Misc. BTUH	0.00

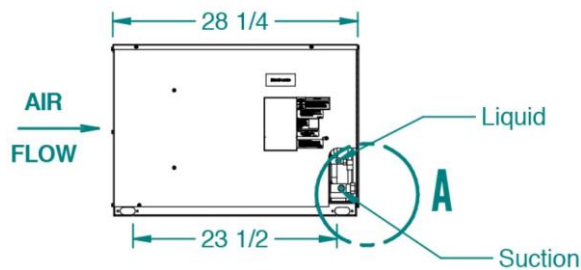
### Physical Data

Refrigerant	Compressor		Connections		Receiver Capacity (90%)	Sound Data	Net Weight (lbs.)	Altitude (Feet)	Ambient Temp (°F)
	Model #	HP	Liquid	Suction					
R448a	ZB06KAE	0.5	3/8"	5/8"	9	61	167	911	90

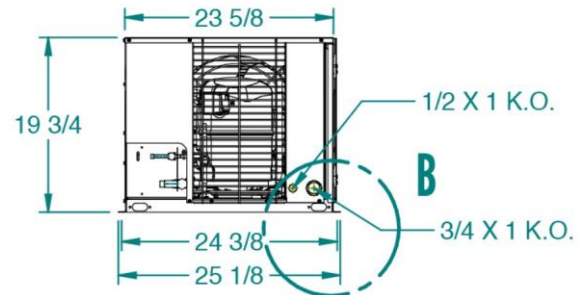
### Electrical Data

Power Supply			Compressor		MCA		MOP		Notes
Volts	Phase	Hz	RLA	LRA	Air Def.	Elec. Def.	Air Def.	Elec. Def.	MCA = Minimum Circuit Ampacity MOP = Maximum Overcurrent Protection
208-230	3	60	4.295	37.8	15	20	15	20	

**Front View**



**Right View**



### Capacity (BTUH) @ Designated Saturated Suction Temperatures

+40° F	+35° F	+30° F	+25° F	+20° F	+15° F	+10° F	+5° F	+0° F
10,138	9,258	8,410	7,604	6,839	6,116	5,446	0	4,284
-5° F	-10° F	-15° F	-20° F	-25° F	-30° F	-35° F	-40° F	
0	3,372	0	0	0	0	0	0	

**Physical and Electrical Data**

Defrost Type	Air Flow	Capacity (BTUH)	Net Weight (lbs.)	Altitude (Feet)
Air	610	7,516	36	911

Power Supply			Fans			Heaters		Connections		
Volts	Phase	Hz	Qty	Amps	Motor Type	Amps	Watts	Inlet	Outlet	Drain
115	1	60	1	0.9	EC2	0	0	1/2"	5/8"	3/4"

**Front and Right Views**

