

STATEMENT OF WORK

BACKGROUND

Currently, the Cheyenne VAMC has 6 walk-in box units consisting of 1 freezer, 3 refrigerators (Chill, dairy, produce), 1 thaw box, and 1 food bank. The description for all are pictured below in the requirements sections. Currently, they are all connected to one condenser stored outside (**Attachment 1**). The condenser is old and continuously failing. The current compressor is illustrated in **Attachment 2**. This is a request for a quote to purchase 1 condenser, 1 compressor, and 1 attachable coil for each of the 6 walk-in box units. The desire is to have the condensers in a rack system outside and rack system for the compressors inside. However, if it more feasible to have a rack system for the compressors and condensers outside, that is acceptable

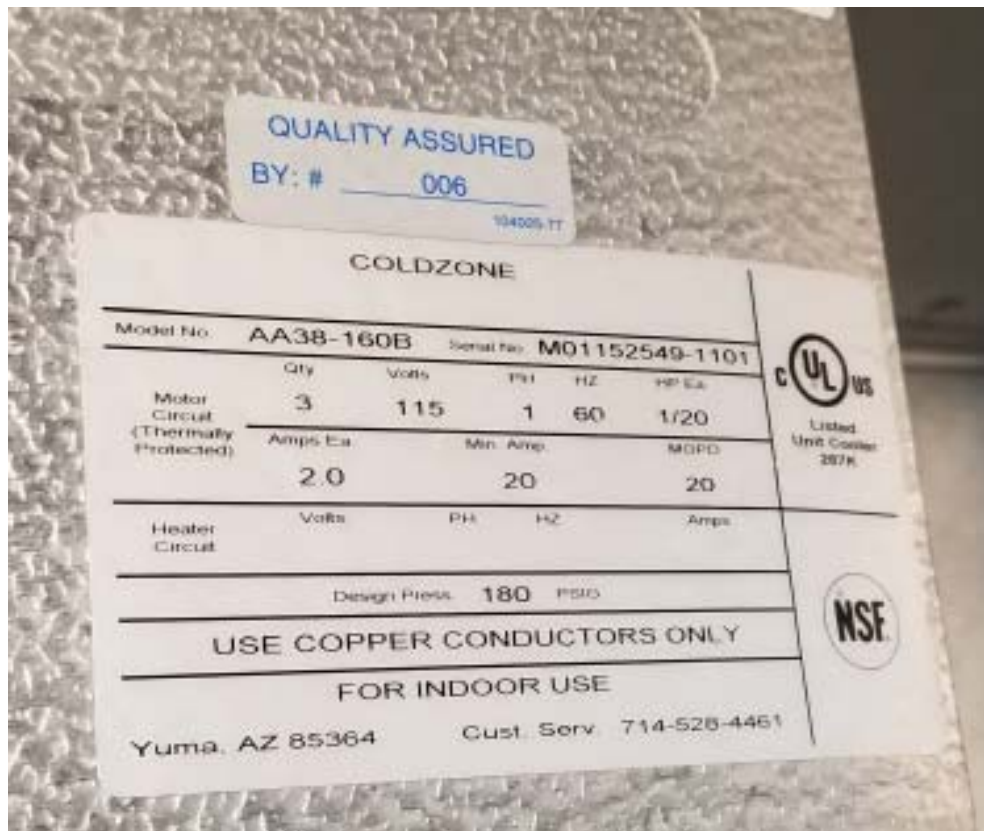
SITE VISIT

Mandatory site visit occurring 10:00 a.m. Wednesday, August 15, 2018 at 2360 E. Pershing Blvd, Building 11 Engineering, Cheyenne, WY 82001-5356. See Attachment 5 for a map of the installation.

REQUIREMENT

1 condenser, 1 compressor, and 1 attachable coil for each of the following box units:

Refer 1 – Cart Chill Box Specs, 10x18x8 ft, operating temp is 35 to 41 degrees F



Refer 2 – Dairy Box Specs, 9x10x8 ft, operating temp is 35 to 41 degrees F

QUALITY ASSURED
BY: # 006
104025-77

COLDZONE

Model No.	AA28-122B		Serial No. M01152549-0302		
	Qty	Volts	PH	HZ	HP Ea.
Motor Circuit (Thermally Protected)	2	115	1	60	1/20
	Amps Ea.	Min. Amp		MOPD	
	2.0	20		20	
Heater Circuit	Volts	PH	HZ	Amps	
Design Press. 180 PSIG					
USE COPPER CONDUCTORS ONLY					
FOR INDOOR USE					
Yuma, AZ 85364			Cust. Serv. 714-528-4461		

UL US
Listed Unit Cooler 287K

NSF

Refer 3 – Produce Box Specs, 8x9x8 ft, operating temp is 35 to 41 degrees F

QUALITY ASSURED
BY: # 006
104025-77

COLDZONE

Model No.	AA28-106B		Serial No. M01152549-0701		
	Qty	Volts	PH	HZ	HP Ea.
Motor Circuit (Thermally Protected)	2	115	1	60	1/20
	Amps Ea.	Min. Amp		MOPD	
	2.0	20		20	
Heater Circuit	Volts	PH	HZ	Amps	
Design Press. 180 PSIG					
USE COPPER CONDUCTORS ONLY					
FOR INDOOR USE					
Yuma, AZ 85364			Cust. Serv. 714-528-4461		

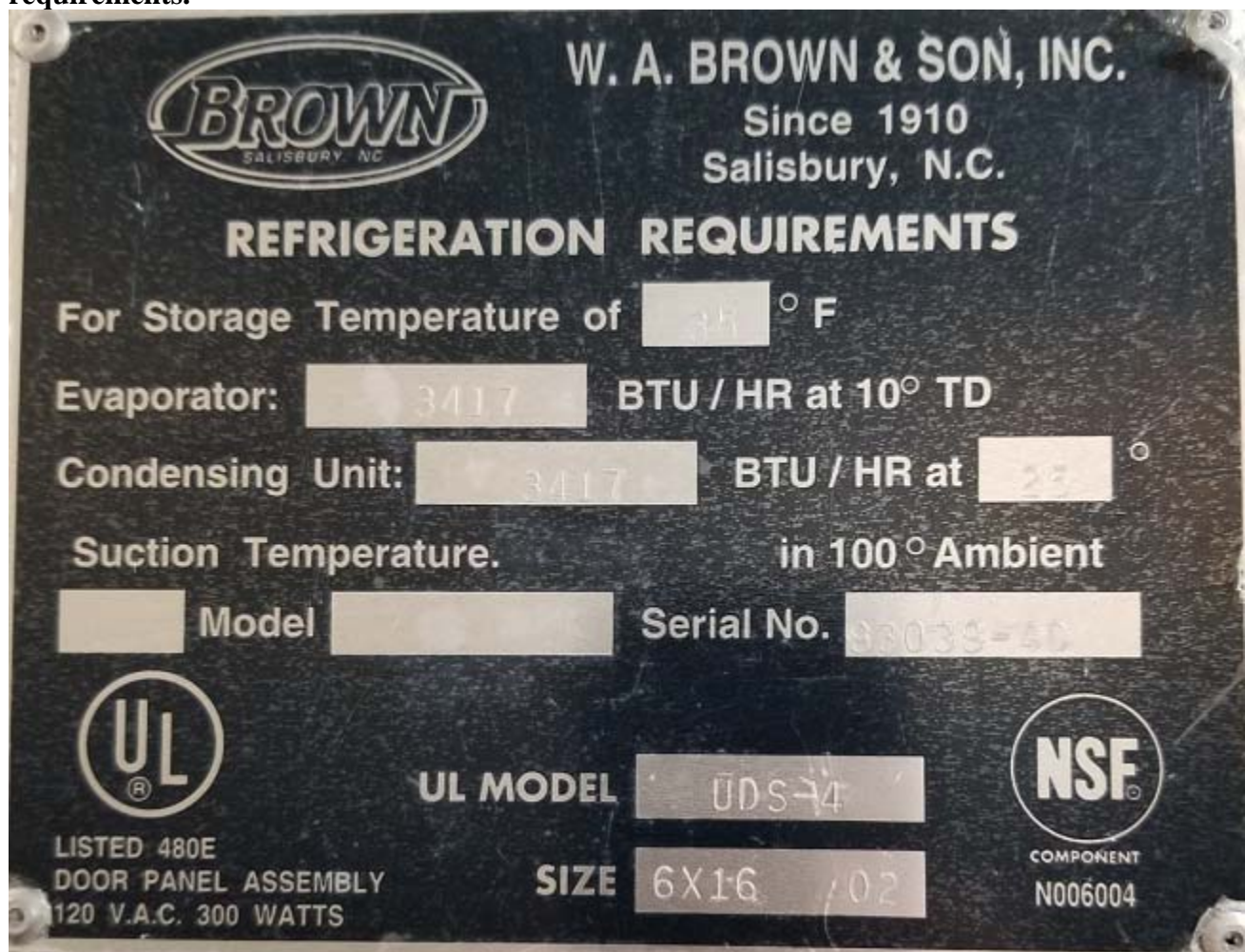
UL US
Listed Unit Cooler 287K

NSF

Freezer – Specs, 8x26x8 ft, operating temp is -12 to 0 degrees F



Thaw Box – 6 x 16 operating temp 35 to 41 degrees F. See Attachment 3 for specifications and requirements.



Food Bank – 10 x 8 x 7 the box is located on the 2nd floor. Operating temp is 35 to 41 degrees F. See **Attachment 4** for specifications and requirements.



SYSTEM DESCRIPTION:

The compressor rack system will be placed in a mechanical room with the dimensions of 10ft 5in x 13 ft.

The multi-circuited Refrigeration Rack System with the following Specifications:

Air Cooled Systems to include Refrigerant Receiver Tank, Receiver Valve, Suction Service Valve, Liquid Line Filter/Drier, Sight Glass, Compressor Contactor, and Defrost Timer. All systems will be pre-wired to electrical panel for single point connection and all refrigerant piping will be pre-piped to internal pitch pocket or to exit point for ground based systems.
Housing to be Galvanized Steel Construction with Modular Condenser coils sized for 110oF ambient.
Optional Components Available – Suction Accumulators – Suction Filters – Master Controllers – Hot Gas Defrost – Oversized Receivers – Coated Coils (for coastal or corrosive environment).

ELECTRICAL SETUP REQUIREMENTS:

- Disconnect old chiller and pumps.
- Leave old unused power for chillers outside in disconnect.
- Remove disconnect inside room and extend conduit across the room.
- Poke conduit outside, pipe down the wall and set new disconnect for new chiller unit.
- Run Flexible conduit from disconnect to new chiller unit.
- Pull new larger wire from panel to outside disconnect and to chiller.
- Install new 100Amp breaker in panel.
- Hook up on both ends.

INSTALLATION/SETUP REQUIREMENTS:

- Removal and disposal of old condenser, compressor and coil units and installation of condensing and compressor units for walk in refrigeration boxes to include recovering all refrigerant and removing old condensing units.
- Set new condensing unit and run new copper pipe from condenser to evaporators. Evacuation of lines and pressure testing.
- Installation of all items will result in a complete running system.

The items will be shipped to and installed at:

Department of Veterans Affairs
VA Medical Center Cheyenne
2360 E. Pershing Blvd
Cheyenne, WY 82001-5356

Attachment 1
Current Outside Condenser



Attachment 2
Current Compressor Rack Station in Mechanical Room



Attachment 3
Thaw Box Specifications and Requirements

Thaw Box Power Requirements

QUALITY ASSURED
BY: # 006
104025-77

COLDZONE

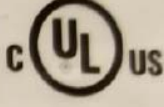

Model No.	AA28-122B		Serial No. M01152549-0301		
	Qty	Volts	PH	HZ	HP Ea.
Motor Circuit (Thermally Protected)	2	115	1	60	1/20
	Amps Ea.	Min. Amp.		MOPD	
	2.0	20		20	
Heater Circuit	Volts	PH	HZ	Amps	
Design Press. 180 PSIG					
USE COPPER CONDUCTORS ONLY					
FOR INDOOR USE					
Yuma, AZ 85364			Cust. Serv. 714-528-4461		

UL US
Listed
Unit Cooler
287K

NSF

Attachment 4 Food Bank Specifications and Requirements

Food Bank Specifications

Cold Zone						 Listed Unit Cooler 287K
Model No. AA26-87B		Serial No. F01100197-0401				
	Qty	Volts	PH	HZ	HP Ea	
Motor Circuit (Thermally Protected)	2	115.	1	60	1/20	
	Amps Ea.	Min. Amp.		MOPD		
	2.0	20		20		
Heater Circuit	Volts	PH	HZ	Amps		
Design Press. 180 PSIG						
USE COPPER CONDUCTORS ONLY						
FOR INDOOR USE						
Yuma, AZ 85334			Cust. Serv. 714-528-4461			

Food Bank Power Requirements



- CABINET DATA -
 SERIAL NO. **UTC17270R FN-1**

COMPARTMENT SIZE
10 X 8 X 7

- DOOR ACCESSORIES DATA -
 ID NO. **17903-S**

VOLTS	HERTZ	PHASE	AMPS
115	60	1	2.9

**RECOMMENDED
MINIMUM BTU RATING**
5437


"A"

FOR SERVICE
800-225-9916
MADE IN U.S.A.



Food Bank Compressor and Condenser Power Requirements

COLD ZONE

MODEL IR-S10M4-2T-E				SERIAL NO F01100197-011		R-404A	
COMPRESSOR		208/230 V	60 HZ	3 PH	4.3 RLA	27.0 LRA	OUTDOOR USE NO
CONDENSER FAN(S)		208/230 V	60 HZ	1 PH	QTY 1	1.0 FLA EACH	1/20 HP EACH
MAX. EVAP. FAN LOAD		AMPS	MAX. DEFROST HEATER LOAD(S)		AMPS	MIN. SUPPLY LINE AMPACITY 15 AMPS	
COMPRESSOR FAN		AMPS	CIRCUIT A		AMPS	MAX. OVERCURRENT PROTECTIVE DEVICE 15 AMPS	
EVAP. TEMP. RANGE		0 TO 25 DEG. F		CIRCUIT B		SYSTEM CHARGE	
LISTED CONDENSING UNIT 469K		CIRCUIT C		AMPS		USE COPPER CONDUCTORS ONLY	
C  US		DESIGN PRESSURES		LOW SIDE 180 PSIG		Yuma, Arizona Customer Service 714-529-4461 FORM NO. 104027-002	
				HIGH SIDE 450 PSIG			

ATTACMENT 5 MAP

