COOLER WIRING DIAGRAM

U.S. COOLER
401 DELAWARE ST. • QUINCY, IL 62301
TEL 217-228-2421 • 800-921-2665
FAX 217-228-2424 • www.uscooler.com

WIRE COLOR KEY:

- RED
- WHITE
- BLACK
- GREEN

INCANDESCENT FIXTURE BASE

SILVER LUG

GOLD LUG

WIRE CONNECTOR

GND LUG

CUSTOMER SUPPLIED 110V SUPPLY

BLACK WHITE GREEN

LINE NEUTRAL GROUND

CUSTOMER SUPPLIED 110V SUPPLY
GFI REQUIRED

SWITCH

LIGHT
CEILING SUPPORT DETAIL

EXISTING BEAM

WIRE CABLE
MIN. LOAD 500LBS.
(CABLE MUST BE HUNG
STRAIGHT UP FROM BRACKET
TO SUPPORT BEAM)

BOLTS, WASHERS, CLAMPS &
WIRE CABLE SUPPLIED
BY OTHERS

CEILING SUPPORT BRKT.

MALE

FEMALE

CEILING PANELS

AFTER BRACKETS ARE RIVETED
TO FEMALE CEILING CAMS AND
CEILING IS LOCK IN PLACE AS
INDICATED BY APPROVAL DRAW-
ING, BRING MALE CEILING INTO
PLACE (PER DRAWING) LINING
THE SLOT OF THE BRACKET UP
WITH THE FEMALE SLOT AND
THE MALE LOCK.

PROPER PLACEMENT
OF CEILING HANGERS

DRILL & RIVET CEILING SUPPORT
BRACKET TO MALE OR FEMALE
CAM AS SHOWN

FEMALE CAM
STANDARD DOOR: 34" x 76"

FINISH:
26GA. STUCCO GALVALUME STEEL,
GALVANIZED, PAINTED (WHITE OR TAN)
OR 24GA STAINLESS STEEL

INSULATION: FOAM IN PLACE

HINGE: LEFT

VAPOR PROOF LIGHT W/GLOBE
(INSIDE OF FRAME)

HYDRAULIC DOOR CLOSURE

DIAL THERMOMETER -40 TO 65 F.

LIGHT SWITCH PILOT LIGHT
W/ SS COVER

DOOR HANDLE
W/ SAFETY RELEASE
KEYED/ACCEPTS
PADLOCK
BRUSHED CHROME
FINISH

SPRING LOADED HINGE (TOP)
CAMLIFT HINGE (BOTTOM)

TRIPLE VINYL SWEEP

SIDE ELEVATION

FRONT ELEVATION EXTERIOR VIEW
PLUG DOOR WITH FRAME

DOOR SIZE = 34"x 77"
ROUGH OPENING = 38 3/4"x 79 5/8"
DOOR THICKNESS = 3 13/16"

FINISH:
26GA. STUCCO GALVALUME STEEL, GALVANIZED, PAINTED(White or Tan)
OR 24GA STAINLESS STEEL

INSULATION:
R-32 EXTRUDED
HINGE DIRECTION:
RIGHT

HEATER WIRE AND LAMP JUNCTION INCLUDED IN FREEZER APPLICATIONS.
FRAME IS OVERLAP
DOOR IS FLUSH MOUNT

CAMLIFT HINGES
BRUSHED CHROME
FINISH
2 PER STANDARD DOOR

PLUG DOOR HANDLE
W/SAFETY RELEASE
ACCEPTS PADLOCK
BRUSHED CHROME
FINISH

TRIM: 2"x2" ANGLE WITH HEMMED EDGES
(2) 81 5/8"L, (1) 42 3/4"L

TRIPLE VINYL SWEEP
STANDARD OVERLAP PLUG DOOR WITH FACE CASE FRAME

STANDARD DOOR SIZE = 34" W x 76" H
ROUGH OPENING = 34" x 76"

FINISH:
26GA. STUCCO GALVALUME STEEL, GALVANIZED, PAINTED (WHITE OR TAN) OR 24GA STAINLESS STEEL

INSULATION:
R-32 EXTRUDED

HINGE DIRECTION:
RIGHT OR LEFT

HEATER WIRE INCLUDED IN FREEZER APPLICATIONS.

CAMLIFT HINGES
2 PER STANDARD DOOR
CHROME FINISH

PLUG DOOR HANDLE
W/SAFETY RELEASE
ACCEPTS PADLOCK
CHROME FINISH

4" SILL (TRIPLE VINYL SWEEP INCLUDED IN FLOORLESS APPLICATION)
The door threshold bar must be installed in the floor panel where the door is to be located. With the hooks pointing in the same direction as the pins on the cam-locks in the floor, place the hooks of the threshold bar into the slots of the cams. Push the bar in the direction of the pin of the cam-lock until they contact. Gently tap the locking bar until it locks into the cams or quits moving. This movement is about 1 ½". The locking bar is now installed.

When the door is installed, screw the threshold down to the locking bar with the self-tapping screws provided in the install pack.
SADDLE MOUNT SELF-CONTAINED INSTALL DRAWING

Perspective View

Condensing Unit

Evaporator Blower Coil

Cut-Out 2-3/4" Deep

47" Vertical Wall Panel with Special Cut-Outs

Section View

Vertical Wall Panel

Evaporator Blower Coil

Channel Frame

Note: 24" of clearance from existing wall is required for access electrical junction box and compressor controls.
GENERAL ASSEMBLY FOR SIDE MOUNT SELF-CONTAINED

NOTES: PARTS AND LOCATIONS MAY VARY DEPENDING ON UNIT

<table>
<thead>
<tr>
<th>#</th>
<th>PART</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CONDENSOR</td>
</tr>
<tr>
<td>2</td>
<td>RECEIVER</td>
</tr>
<tr>
<td>3</td>
<td>LIQUID LINE</td>
</tr>
<tr>
<td>4</td>
<td>COMPRESSOR</td>
</tr>
<tr>
<td>5</td>
<td>SUCTION LINE</td>
</tr>
<tr>
<td>6</td>
<td>POWER INLET</td>
</tr>
<tr>
<td>7</td>
<td>PRESSURE CONTROL</td>
</tr>
<tr>
<td>8</td>
<td>TIMER - FRZ. ONLY</td>
</tr>
<tr>
<td>9</td>
<td>TEMPERATURE CONTROL</td>
</tr>
<tr>
<td>10</td>
<td>DRIER</td>
</tr>
<tr>
<td>11</td>
<td>SITE GLASS</td>
</tr>
<tr>
<td>12</td>
<td>SOLENOID VALVE</td>
</tr>
<tr>
<td>13</td>
<td>DRAIN OUTLET</td>
</tr>
<tr>
<td>14</td>
<td>FAN</td>
</tr>
<tr>
<td>15</td>
<td>EVAPORATOR</td>
</tr>
<tr>
<td>16</td>
<td>PLUG</td>
</tr>
<tr>
<td>17</td>
<td>CRANK CASE HEATER-OPTIONAL</td>
</tr>
<tr>
<td>18</td>
<td>FAN CYCLE CONTROL-OPTIONAL</td>
</tr>
<tr>
<td>19</td>
<td>START RELAY &amp; CAPACITOR</td>
</tr>
<tr>
<td>20</td>
<td>THERMOSTAT</td>
</tr>
<tr>
<td>21</td>
<td>REFRIGERATION BRACKET</td>
</tr>
<tr>
<td>22</td>
<td>WIRING HARNESS</td>
</tr>
<tr>
<td>23</td>
<td>COMPRESSOR COVER-OPTIONAL</td>
</tr>
</tbody>
</table>

U.S. COOLER
401 DELAWARE ST. • QUINCY, IL 62301
TEL 217-228-2421 • 800-521-2665
FAX 217-228-2424 • www.uscooler.com
GENERAL ASSEMBLY FOR TOP MOUNT SELF-CONTAINED COOLER

PARTS LIST

<table>
<thead>
<tr>
<th>#</th>
<th>PART</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CONDENSER</td>
</tr>
<tr>
<td>2</td>
<td>RECEIVER</td>
</tr>
<tr>
<td>3</td>
<td>LIQUID LINE</td>
</tr>
<tr>
<td>4</td>
<td>COMPRESSOR</td>
</tr>
<tr>
<td>5</td>
<td>SUCTION LINE</td>
</tr>
<tr>
<td>6</td>
<td>POWER INLET</td>
</tr>
<tr>
<td>7</td>
<td>PRESSURE CONTROL</td>
</tr>
<tr>
<td>8</td>
<td>TIMER - FRZ. ONLY</td>
</tr>
<tr>
<td>9</td>
<td>TEMPERATURE CONTROL</td>
</tr>
<tr>
<td>10</td>
<td>DRIER</td>
</tr>
<tr>
<td>11</td>
<td>SIGHT GLASS</td>
</tr>
<tr>
<td>12</td>
<td>SOLENOID VALVE-FRZ. ONLY</td>
</tr>
<tr>
<td>13</td>
<td>DRAIN OUTLET</td>
</tr>
<tr>
<td>14</td>
<td>FAN</td>
</tr>
<tr>
<td>15</td>
<td>EVAPORATOR</td>
</tr>
<tr>
<td>16</td>
<td>PLUG</td>
</tr>
</tbody>
</table>

NOTE: PARTS AND LOCATIONS MAY VARY DEPENDING ON UNIT
INSTALL INSTRUCTIONS FOR EVAPORATOR DRAIN LINE
(INSTRUCTIONS APPLY TO REMOTE AND SELF CONTAIN UNITS)

EVAPORATOR

VAPOR SEAL

TRAP

EVAPORATOR FAN

DRAIN PAN

DRAIN PIPE
(WRAP WITH HEAT TAPE
IN FREEZER APPLICATIONS)
COVER COPPER PIPE WITH INSULATION
PITCH SHOULD BE 4”/1’

NOTE: DRAIN PIPE SIZES VARY
SEE FACTORY SPECIFICATIONS
FOOTING DETAIL
(FLOORLESS APPLICATION)

EXTEND CONCRETE
2 1/2" PAST SCREEDING
WITH 5° ANGLE
FOR RUN-OFF

COOLER WALL PANEL

VINYL SCREEDING
OR 2"x2" ALUM. ANGLE

CAULKING

REINFORCED CONCRETE
WEAR FLOOR

4" EXTRUDED
POLYSTYRENE INSUL.

CONCRETE SUB FLOOR

6 MIL. VAPOR BARRIER
TAPE ALL JOINTS

2"Ø WASHED AGGREGATE

4" Ø PERFORATED DRAIN TILE
ON 6' CENTERS OPEN BOTH ENDS,
12" BELOW INSULATED SLAB.

FOOTING TO MEET LOCAL CODES

Design used for Conceptual purposes. Consult local Engineer for requirements. Craig Industries is not responsible for foundation design. This is an example.