



# CHILLERS

## RAPID CHILLER MODELS CKHPC

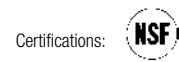
The CKHPC-75, 100 and 200 Rapid Hot Product Chillers are designed to chill up to 75, 100 and 200 gallons of hot food in casings from 135°F to 41°F in less than 4 hours. This specially designed chiller supplies a 35 - 41°F water bath for cooling from below the casings in a turbulent motion which effectively chills soups, sauces and other products typically cooked in kettles. It is also excellent for defrosting any foods packaged in casings. The unit requires a remote mounted 8hp, 15hp or 30hp refrigeration system which are sold separately.

### AVAILABLE MODELS:

CKHPC-75  
CKHPC-100  
CKHPC-200

### STANDARD FEATURES:

- Type 304 stainless steel tank with 2" radius corners and tank bottom sloped
- Chills 75, 100 or 200 gallons of hot product with 3" additional tank freeboard
- Interior tank grate, lift out design. Enhances loading and unloading
- Tube and Shell Heat Exchanger shall be furnished to cool the water
- Automatic fill valve and water level control shall be provided
- CKHPC-75/100 = 5 HP, CKHPC-200 = 7.5 HP stainless steel agitation pump with stainless steel agitation piping
- Overflow connection
- 2" diameter stainless steel valve for rapid tank draining
- Adjustable sanitary flange feet
- Stainless steel NEMA 4X control box with independent cooling and agitation off/on switches, pump motor controls, and short circuit protection
- Automatic temperature control



PROJECT NAME:	
LOCATION:	
ITEM NO:	
QTY:	
MODEL NO:	
AIA NO:	
SIS NO:	
CSI SECTION:	11400



### OPTIONS/ACCESSORIES:

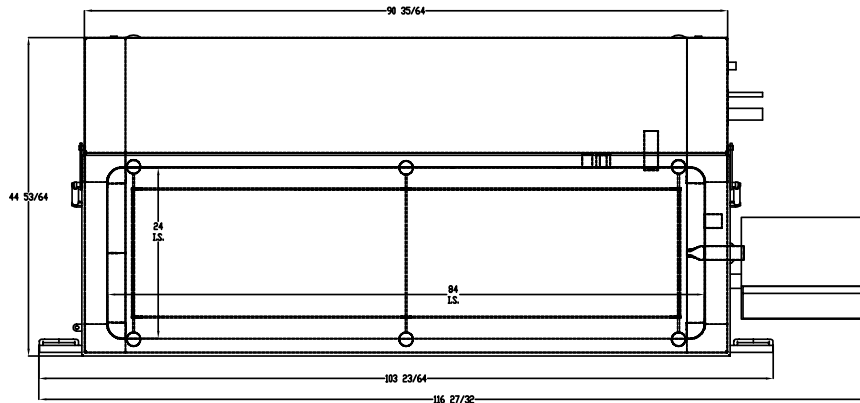
Air cooled, remote, 8hp, 15hp or 30hp refrigeration system  
Water cooled, remote, 8hp, 15hp or 30hp refrigeration system  
RTD probe for remote temperature recording  
Heat exchanger for connection to ice builder  
Seismic legs  
Manual casing massager for improved chilling speed

### ADDITIONAL RESOURCES:

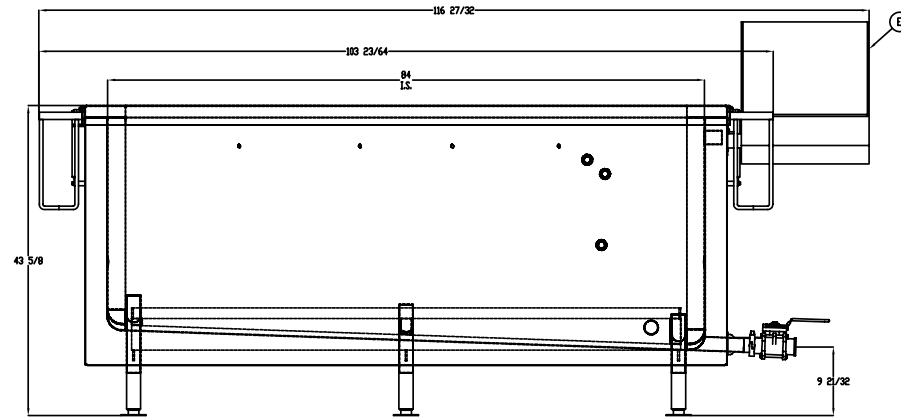
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PLAN VIEW

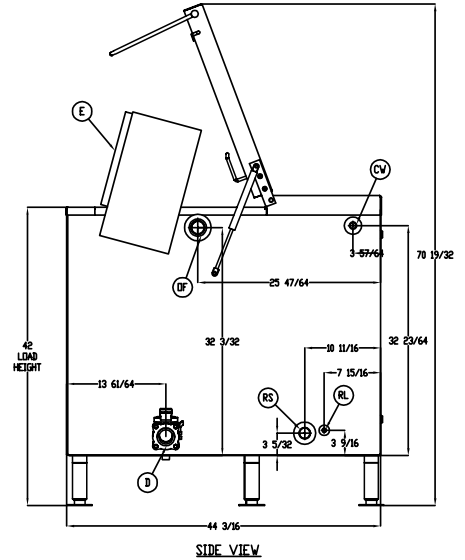


FRONT VIEW

- CW COLD POTABLE WATER : 3/4" NPT
- D DRAIN : 2"
- P PUMP : 5 HP, 3 PHASE
- RL REFRIGERANT LIQUID LINE: 2-5/8" ODF\*
- RS REFRIGERANT SUCTION LINE: 1-1/8" ODF LINE\*
- DF OVERFLOW : 1 1/2" FPT
- E ELECTRICAL: 3PH, 60CYC, 208V, 21 AMPS  
3PH, 60CYC, 230V, 19 AMPS  
3PH, 60CYC, 480V, 9 AMPS  
CONNECTION PER LOCAL CODES  
DISCONNECT SUPPLIED BY OTHERS  
(CUSTOMER TO SPECIFY REQUIREMENTS)

ALWAYS REFERENCE JOB DRAWINGS FOR ACCURACY

\*LENGTH OF RUN AND NUMBER OF BENDS CAN CHANGE THE LINE SIZE. ALWAYS CONSULT A MECHANICAL ENGINEER FOR ACCURATE SIZING.



SIDE VIEW

**AIR COOLED CONDENSING UNIT**

**WEIGHT: 1,020 LBS**

**DIMENSIONS: 64" X 37" X 40" H**

**CAPACITY: 87,220 BTU/HR @ 25°F SST @ 95°F AMBIENT**

**ELECTRICAL REQUIREMENTS FOR CONDENSING UNIT**  
**BASED ON MFG. RECOMMENDED**

**3/60/460V 27 MCA OR 3/60/208-230V 52 MCA**

**3/60/460V 40 MOP OR 3/60/208-230V 80 MOP**

**WATER COOLED CONDENSING UNIT**

**WEIGHT: 1,150 LBS**

**DIMENSIONS: 55"L X 46"W X 60"H PER UNIT**

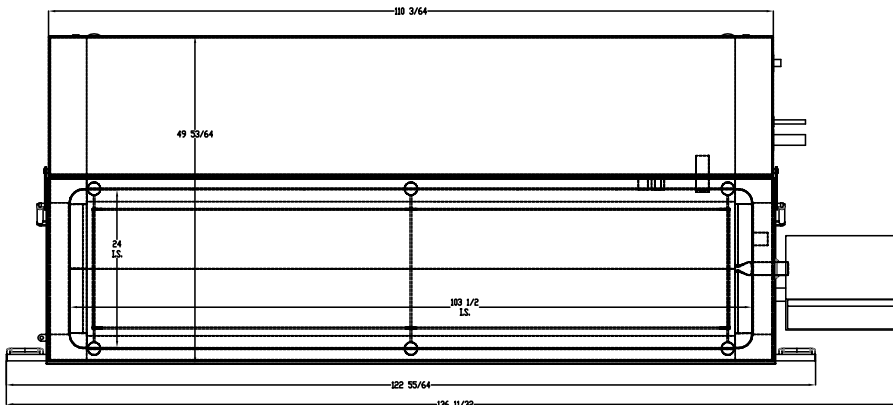
**COOLING WATER: 33 GPM @ 85°F EWT**

**97,000 BTU/HR @ +25°F SST**

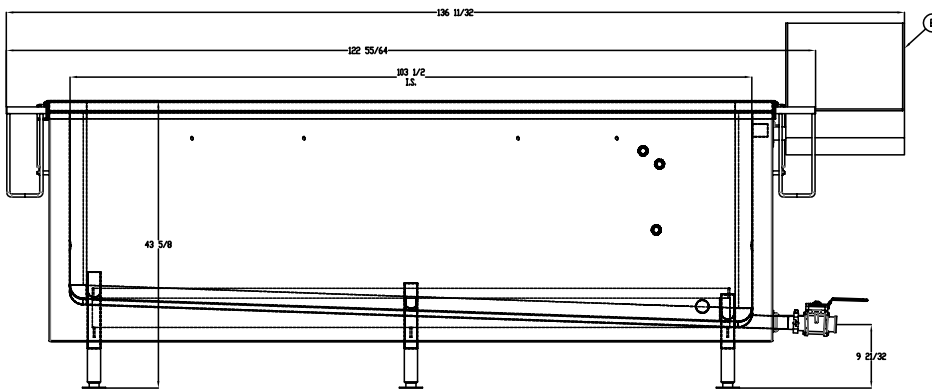
**ELECTRICAL REQUIREMENTS FOR CONDENSING UNIT**  
**BASED ON MFG. RECOMMENDED**

**3/60/460V 23 MCA OR 3/60/208-230V 46 MCA**

**3/60/460V 40 MOP OR 3/60/208-230V 80 MOP**



PLAN VIEW

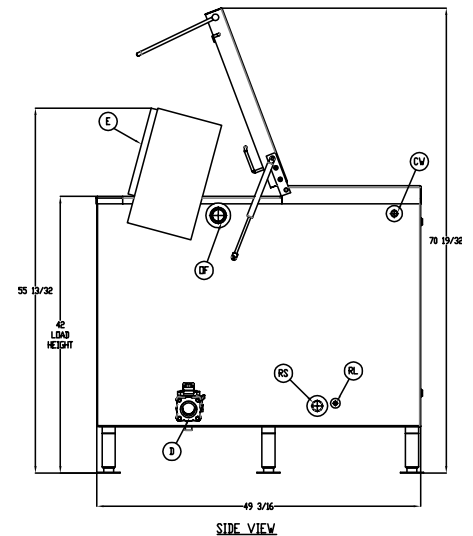


FRONT VIEW

- D DRAIN : 2"
- P PUMP : 5 HP, 3 PHASE
- RL REFRIGERANT LIQUID LINE: 2-5/8" ODF\*
- RS REFRIGERANT SUCTION LINE: 1-1/8" ODF LINE\*
- OF OVERFLOW : 1 1/2" FPT
- E ELECTRICAL : 3PH, 60CYC, 208V, 21 AMPS  
3PH, 60CYC, 230V, 19 AMPS  
3PH, 60CYC, 480V, 9 AMPS  
CONNECTION PER LOCAL CODES  
DISCONNECT SUPPLIED BY OTHERS  
(CUSTOMER TO SPECIFY REQUIREMENTS)

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SIDE VIEW

#### AIR COOLED CONDENSING UNIT

**WEIGHT: 1,580 LBS**

**DIMENSIONS: 144" L X 45" W X 56" H**

**CAPACITY: 141,400 BTU/HR @ 25°F SST @ 95°F AMBIENT**

**REFRIG. SUCTION CONN.: 1 5/8" O.D.F.**

**REFRIG. LIQUID CONN.: 7/8" O.D.F.**

#### ELECTRICAL REQUIREMENTS FOR CONDENSING UNIT BASED ON MFG. RECOMMENDED

**3/60/460V 37 MCA OR 3/60/208-230V 77 MCA**

**3/60/460V 60 MOP OR 3/60/208-230V 125 MOP**

#### WATER COOLED CONDENSING UNIT (10 HP)

**WEIGHT: 1,200 LBS**

**DIMENSIONS: 55" L X 48" W X 64" H PER UNIT**

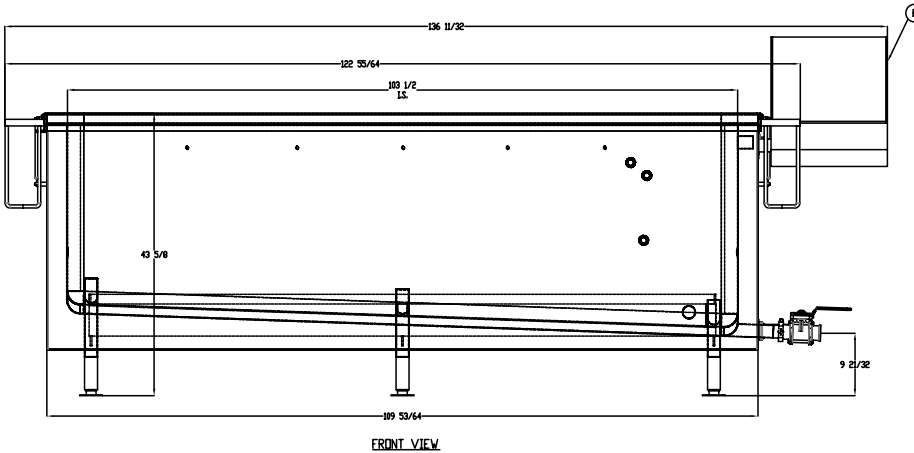
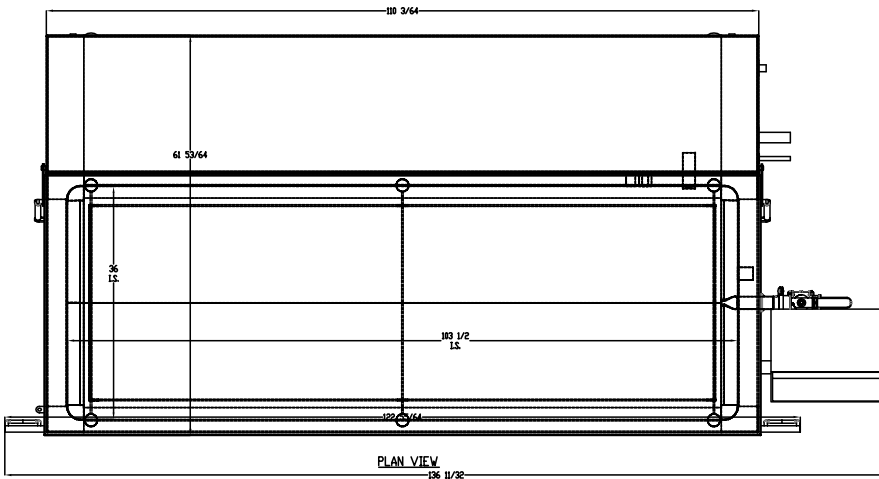
**COOLING WATER: 56.7 GPM @ 85°F**

**158,000 BTU/HR @ +25°F SST**

#### ELECTRICAL REQUIREMENTS FOR CONDENSING UNIT BASED ON MFG. RECOMMENDED

**3/60/460V 34 MCA OR 3/60/208-230V 67 MCA**

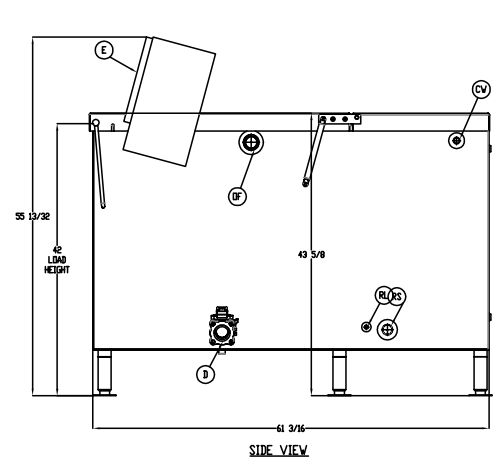
**3/60/460V 55 MOP OR 3/60/208-230V 110 MOP**



- CW COLD POTABLE WATER : 3/4" NPT
- D DRAIN : 2"
- P PUMP : 7-1/2 HP, 3 PHASE
- RL REFRIGERANT LIQUID LINE: 2-5/8" ODF\*
- RS REFRIGERANT SUCTION LINE: 1-1/8" ODF LINE\*
- DF OVERFLOW : 1 1/2" FPT
- E ELECTRICAL: 3PH, 60CYC, 208V, 21 AMPS  
3PH, 60CYC, 230V, 19 AMPS  
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#### AIR COOLED CONDENSING UNIT

**WEIGHT: 1,860 LBS**

**DIMENSIONS: 171" X 45" X 55" H**

**CAPACITY: 175,500 BTU/HR @ 10°FSSST  
@ 95°F AMBIENT**

**REFRIG. LIQUID CONN: 1 1/8" O.D.F.**

**REFRIG. SUCTION CONN: 2 1/8" O.D.F.**

#### ELECTRICAL REQUIREMENTS FOR CONDENSING UNIT BASED ON MFG. RECOMMENDED

**3/60/460V 67 MCA OR 3/60/208-230V 133 MCA  
3/60/460V 110 MOP OR 3/60/208-230V 225 MOP**

#### WATER COOLED CONDENSING UNIT (10 HP)

**WEIGHT: 1,250 LBS**

**DIMENSIONS: 77"L X 52"W X 65"H PER UNIT**

**COOLING WATER: 96.9 GPM @ 85°F**

**259,000 BTU/HR @ +25°FSSST**

#### ELECTRICAL REQUIREMENTS FOR CONDENSING UNIT BASED ON MFG. RECOMMENDED

**3/60/460V 60 MCA OR 3/60/208-230V 119 MCA  
3/60/460V 100 MOP OR 3/60/208-230V 200 MOP**