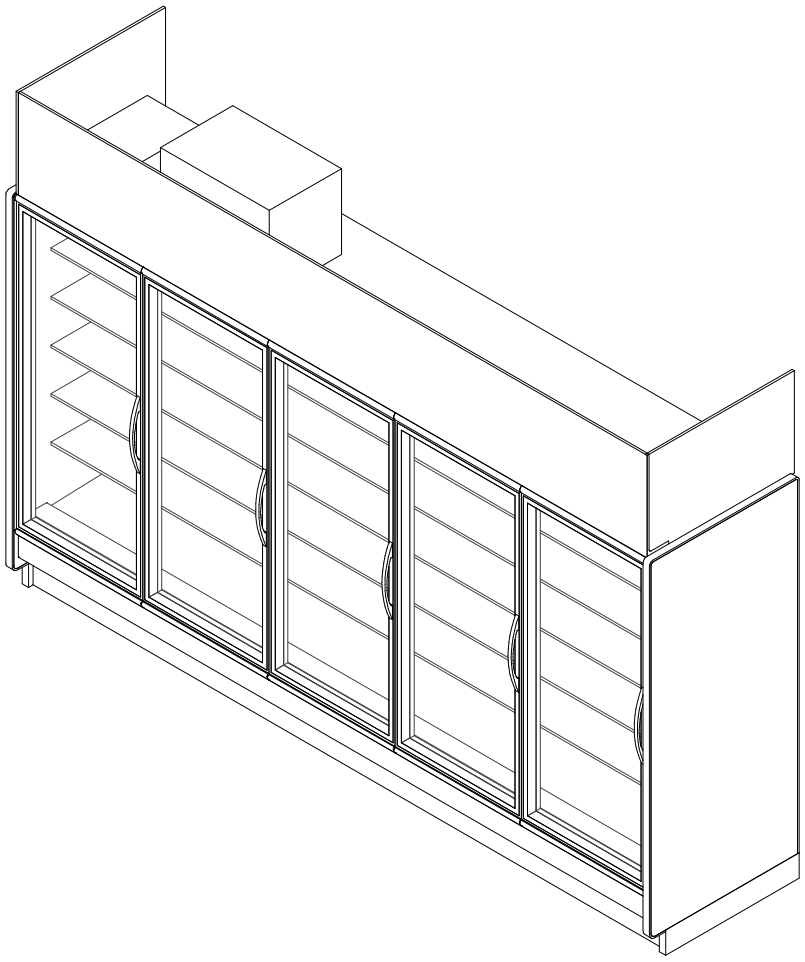
# JNRBHSA

2, 3, 4 & 5 Door / 6', 8', 12' High Narrow Reach-In Self Contained
Beverage/Bakery/Dairy/Cut Produce/Deli

R-290 ECO FRIENDLY

**GENERAL NOTES:**

• "---" indicates that the feature is not an option with this case model and/or the data is not available at this time.
• Light controls - occupancy sensors are required.
-Option 1: OEM Provided: OEM anti-condensate and lighting controls (on/off) are standard unless otherwise specified.
-Option 2: End User Provided: Light controls should be based on occupancy sensors.
• WARNING: R-290 flammable refrigerant in use. Read the installation, operating and maintenance instructions thoroughly before installing or servicing this equipment.



| SHIPPING WEIGHT | |
|---|---|
| Case | Weight |
| JNRBHSA | --- |

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**SYSTEM REQUIREMENT**

| Case Length | Volts | Wiring Type | Phase | Frequency (Hz) | Optional Factory Installed Plug | | MCA | MOP | Total Load (Amps) | 24hr Energy Usage (kWh) | THR (BTUH) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Size | Amps | | | | | |
| 2 Door | 120 | 2 Wire + Gnd | 1 | 60 | NEMA 5-15P/L5-15P | 6.95 | 8.1 | 15.0 | 7.0 | 7.0 | 995.2 |
| 3 Door | 120 | 2 Wire + Gnd | 1 | 60 | NEMA 5-15P/L5-15P | 7.70 | 8.9 | 15.0 | 7.6 | 9.9 | 1408.0 |
| 4 Door | 120 | 2 Wire + Gnd | 1 | 60 | NEMA 5-15P/L5-15P | 9.46 | 11.2 | 15.0 | 9.7 | 12.9 | 1834.0 |
| 5 Door | 120 | 2 Wire + Gnd | 1 | 60 | NEMA 5-20P/L5-20P | 12.88 | 15.8 | 20.0 | 13.4 | 16.8 | 2388.0 |
| 6' | 120 | 2 Wire + Gnd | 1 | 60 | NEMA 5-15P/L5-15P | 7.57 | 8.4 | 15.0 | 7.3 | 10.6 | 1501.0 |
| 8' | 120 | 2 Wire + Gnd | 1 | 60 | NEMA 5-15P/L5-15P | 8.61 | 9.7 | 15.0 | 8.3 | 11.8 | 1678.0 |
| 12' | 120 | 2 Wire + Gnd | 1 | 60 | NEMA 5-20P/L5-20P | 12.58 | 14.4 | 20.0 | 12.1 | 14.3 | 2033.0 |

**ELECTRICAL DATA**

| Case Length | Fans Per Case | Evaporator Fans | |
|---|---|---|---|
| | | 120 Volts | |
| | | Amps | Watts |
| 2 Door | 1 | 0.42 | 34 |
| 3 Door | 2 | 0.84 | 68 |
| 4 Door | 3 | 1.26 | 102 |
| 5 Door | 3 | 1.26 | 102 |
| 6' | 2 | 0.84 | 68 |
| 8' | 2 | 0.84 | 68 |
| 12' | 3 | 1.26 | 102 |

**LIGHTING DATA**

| Case Length | Door Size | OP7 Single Swing | | OP7 French Swing | |
|---|---|---|---|---|---|
| | | 120 Volts | | 120 Volts | |
| | | Amps | Watts | Amps | Watts |
| 2 Door | 30" | 0.28 | 33.0 | --- | --- |
| 3 Door | 30" | 0.41 | 49.2 | --- | --- |
| 4 Door | 30" | 0.55 | 65.4 | --- | --- |
| 5 Door | 30" | 0.68 | 81.6 | --- | --- |
| 6' | 24" | --- | --- | 0.44 | 52.3 |
| 8' | 24" | --- | --- | 0.44 | 52.3 |
| 12' | 24" | --- | --- | 0.64 | 76.6 |

**NOTES:**

- "---" indicates that this feature is not an option on this case model.
- The 24 Hour Energy Value is based upon AHRI 1200 test conditions with Hillphoenix provided evaporator fans, condensing unit, LED lights, occupancy sensor based (on/off) lighting control, dew point based anti-sweat heat controller, condensate pump, evaporator pan, heated door frame, and heated glass doors/electric defrost on low temp cases.
- Heat dissipated to room listed for maximum design conditions, normal operating loads may be lower.
- Data listed is for Optimax. For other lighting options please contact your sales representative.
- Light wattages above reflect 100% run time. To determine actual daily energy usage at 75ºF/55%RH conditions, reduce the light wattages above by 42%.
- The recommended evaporator temperature and defrost settings may need to be adjusted based on system setup, store conditions, etc. The minimum recommended evaporator temperature is 4°F below the listed evaporator temperature.
- Discharge air temperature values represent readings taken within the upper air channel immediately behind/upstream of the honeycomb.
- Listed discharge air velocity represents the average velocity immediately after defrost completion using a Testo 410i vane anemometer with anemometer air scoop (HP part number P109185M) positioned adjacent to the interior edge of the discharge honeycomb.

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Beverage/Bakery/Dairy/Cut Produce/Deli

R-290 ECO FRIENDLY

| ANTI CONDENSATE DATA | | | | | |
|---|---|---|---|---|---|
| Case Length | Door Size | 101 Frames | | Vista Frames | |
| | | Un Heated Doors | | Un Heated Doors | |
| | | ELMD, I90 | | I60 | |
| | | 120 Volts | | 120 Volts | |
| | | Amps | Watts | Amps | Watts |
| 2 Door | 30" | 0.36 | 43 | 0.36 | 43 |
| 3 Door | 30" | 0.55 | 66 | 0.55 | 66 |
| 4 Door | 30" | 0.75 | 90 | 0.75 | 90 |
| 5 Door | 30" | 0.94 | 113 | 0.94 | 113 |
| 6' | 24" | 0.39 | 47 | 0.39 | 47 |
| 8' | 24" | 0.43 | 52 | 0.43 | 52 |
| 12' | 24" | 0.68 | 82 | 0.68 | 82 |

| GUIDELINES AND CONTROL SETTINGS | | | | |
|---|---|---|---|---|
| Application | Superheat Set Point @ Bulb (°F) | Discharge Air (°F) | Set Point Differential (°F) | Discharge Air Velocity (FPM) |
| Beverage | 6 - 8 | 35 | 6 | 230 |
| Bakery/Dairy/Cut Produce | 6 - 8 | 30 | 6 | 230 |
| Deli | 6 - 8 | 29 | 6 | 230 |

| CONDENSING UNIT DATA | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Case Length | Volts | Phase | Frequency (Hz) | Horsepower | RLA | LRA | Refrigerant | Refrigerant (g) | Room Area Min. (m) | Room Area Min. (ft) |
| 2 Door | 120 | 1 | 60 | 1/3 | 4.3 | 16.7 | R-290 | 130 | 2.83 | 30.43 |
| 3 Door | 120 | 1 | 60 | 1/3 | 4.3 | 16.7 | R-290 | 140 | 3.04 | 32.77 |
| 4 Door | 120 | 1 | 60 | 1/3 | 5.3 | 32.0 | R-290 | 145 | 3.15 | 33.94 |
| 5 Door | 120 | 1 | 60 | 1/2 | 8.4 | 40.2 | R-290 | 150 | 3.26 | 35.11 |
| 6' | 120 | 1 | 60 | 1/3 | 4.3 | 16.7 | R-290 | 130 | 2.83 | 30.43 |
| 8' | 120 | 1 | 60 | 1/3 | 5.3 | 32.0 | R-290 | 134 | 2.91 | 31.37 |
| 12' | 120 | 1 | 60 | 1/2 | 8.4 | 40.2 | R-290 | 150 | 3.26 | 35.11 |

| DEFROST CONTROLS | | | |
|---|---|---|---|
| Case Length | Defrosts Per Day | Fail-Safe (Min) | Termination Temp (°F) |
| 2-5 Door | 2 | 46 | 40 |
| 6', 8', 12' | 4 | 46 | 36 |

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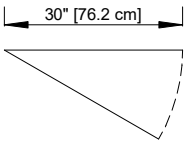
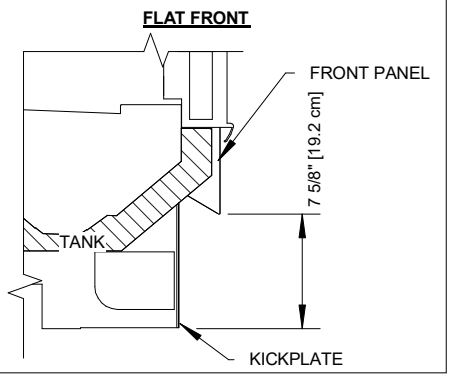
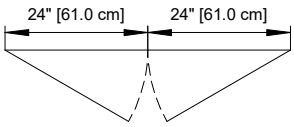
| DOOR OPTIONS | FRONT OPTIONS |
|---|---|
| STANDARD SWING DOOR<br>2, 3, 4, & 5 - DOOR CASES<br>  |  |
| FRENCH DOOR<br>6', 8' & 12' CASES<br>  | |

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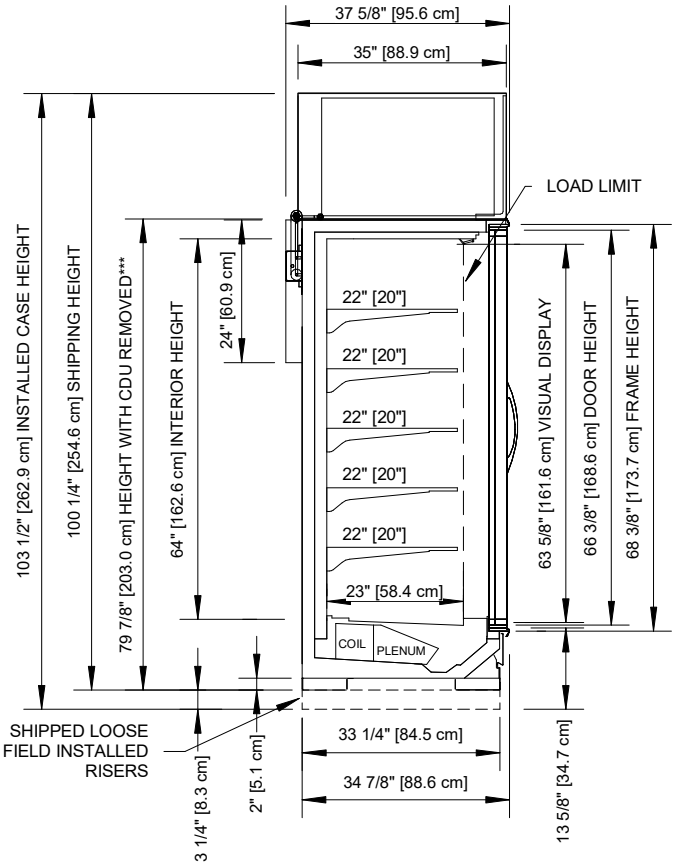
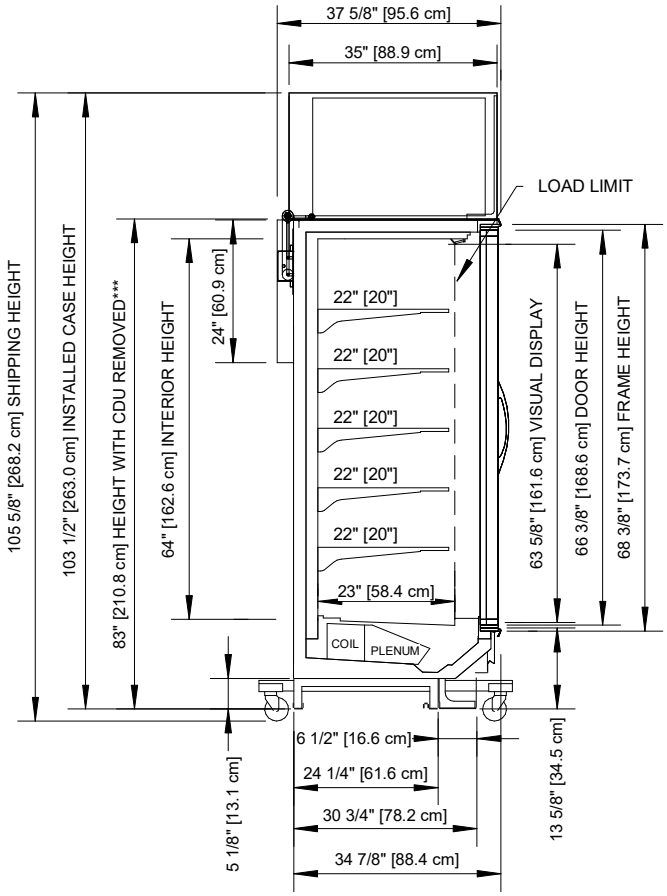



**SPECIALIZED**




**STANDARD**

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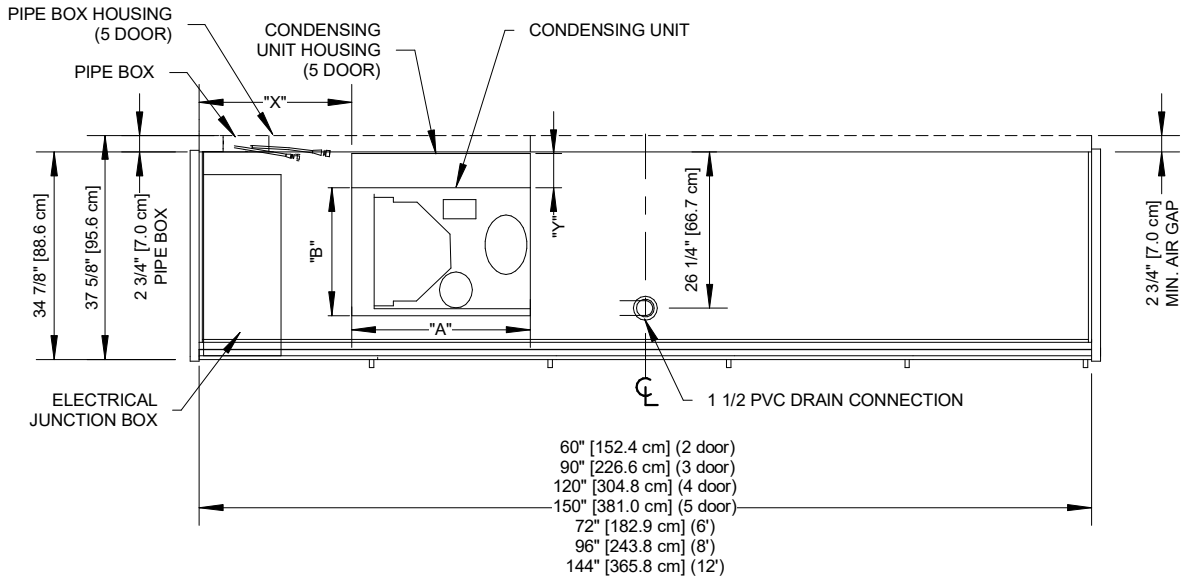
| CONDENSING UNIT SIZE AND POSITION R-290 | | | | | | | |
|---|---|---|---|---|---|---|---|
| CASE LENGTH | 2DR | 3DR | 4DR | 5DR | 6' | 8' | 12' |
| "X" | 25.63" | 25.63" | 25.63" | 25.63" | 25.63" | 25.63" | 25.63" |
| "Y" | 7.94" | 7.94" | 7.94" | 7.94" | 7.94" | 7.94" | 7.94" |
| "A" | 21" | 21" | 25.9" | 25.9" | 21" | 25.9" | 25.9" |
| "B" | 17.2" | 17.2" | 17.2" | 17.2" | 17.2" | 17.2" | 17.2" |




**NOTES:**

* : STUB-UP AREA.

** : RECOMMENDED STUB-UP CENTERLINE FOR ELECTRICAL AND HUB DRAINS.

- Specialized Base Frame (available on door length models ONLY):
- Case fits through 80" doorway in the as shipped configuration with 2" fork lift brackets.
- 2" lifting brackets (installed) & 3.25" ship loose risers combine for 5" baseframe once installled.
- Drain traps ship loose.
- Ends add approximately 1" to case height, 1/2" to the back & 1" to the front.

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