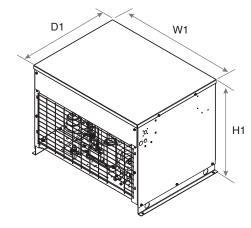
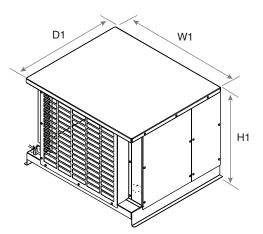
Horizon Elite[™] Ice Machine Installation Instructions for Remote Condensing Unit

HCD/HMD/HCF/HMF1010R _ _ HCD/HMD/HCF/HMF1410R _ _

1010/1410 single phase (Tecumseh) 1010 three phase (Tecumseh)





1410 three phase (Larkin)

	Horizon Elite 1010 series	Horizon Elite 1410 series
W1 Width	36.25" (91.4 cm) – all models	36.25" (90.1 cm) – single phase (Tecumseh) 37.75" (95.9 cm) – three phase (Larkin)
D1 Depth	25.50" (64.8 cm) – all models	25.50" (64.8 cm) – single phase (Tecumseh) 28.25" (71.6 cm) – three phase (Larkin)
H1 Height	26.10" (66.3 cm) – all models	26.10" (66.3 cm) – single phase 19.75" (50.2 cm) – three phase (Larkin)
Electrical	single phase – 208-230/60/1 three phase – 208-230/60/3	single phase – 208-230/60/1 (Tecumseh) three phase – 208-230/60/3 (Larkin)
Operating power	single phase – 2.4 kW three phase – 2.2 kW	single phase – 4.2 kW (Tecumseh) three phase – 3.0 kW (Larkin)
Minimum circuit ampacity	single phase – 10.7 A three phase – 9.9 A	single phase – 19.3 A (Tecumseh) three phase – 15 A (Larkin)
Maximum overcurrent protection	single phase – 15 A three phase – 15 A	single phase – 30 A (Tecumseh) three phase – 15 A (Larkin)
Outdoor condensing unit operating limits (air temperature)	min -20 F (-29 C) max 120 F (49 C)	min -20 F (-29 C) max 120 F (49 C)
Maximum refrigerant line run length	100' (30.5 m)	100' (30.5 m)
Maximum line rise above evaporator	35' (10.7 m)	35' (10.7 m)
Evaporator mounting above condenser	15' (4.6 m)	15' (4.6 m)
Maximum refrigeration line drop without oil trap	15' (4.6 m)	15' (4.6 m)
Refrigerant charge	12.5 lb required at installation	12.5 lb – single phase (Tecumseh) 8.5 lb – three phase (Larkin) required at installation
Approximate ship weight	260 lb (118 kg)	270 lb (122 kg) – single phase (Tecumseh) 230 lb (104 kg) – three phase (Larkin)
Approximate net weight	250 lb (114 kg)	260 lb (118 kg) – single phase (Tecumseh) 210 lb (95 kg) – three phase (Larkin)



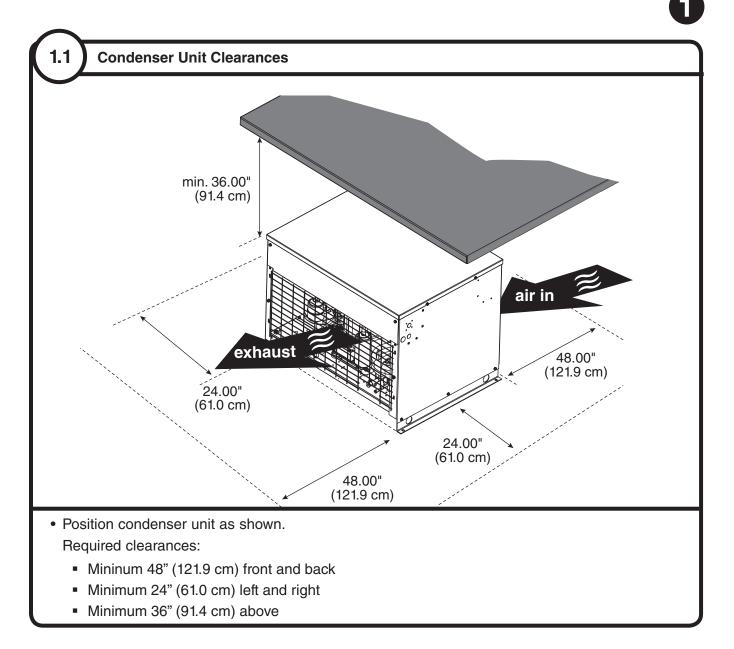
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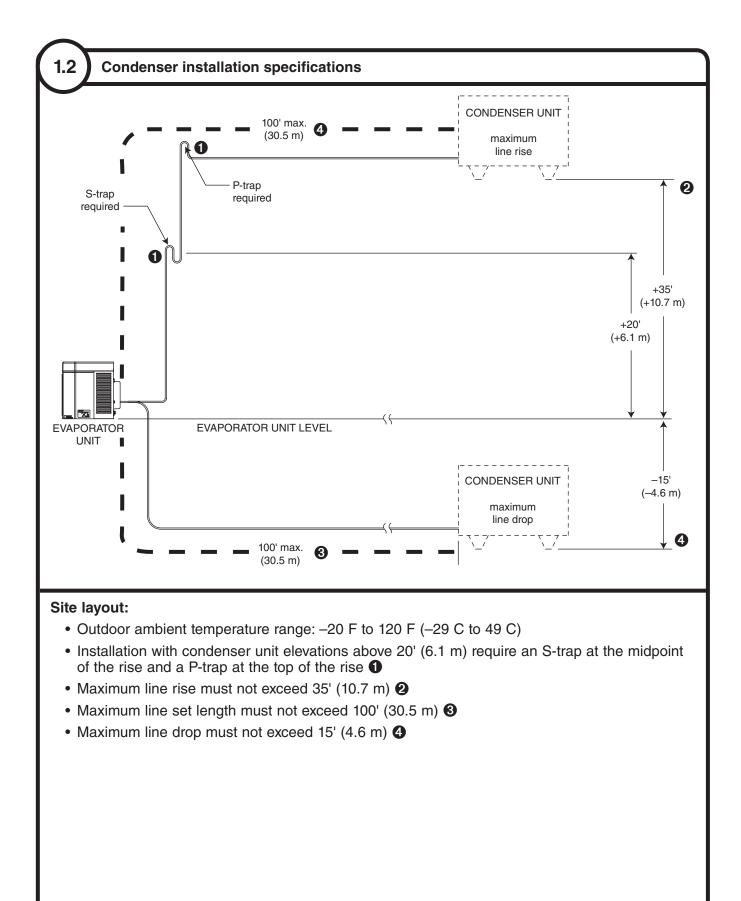


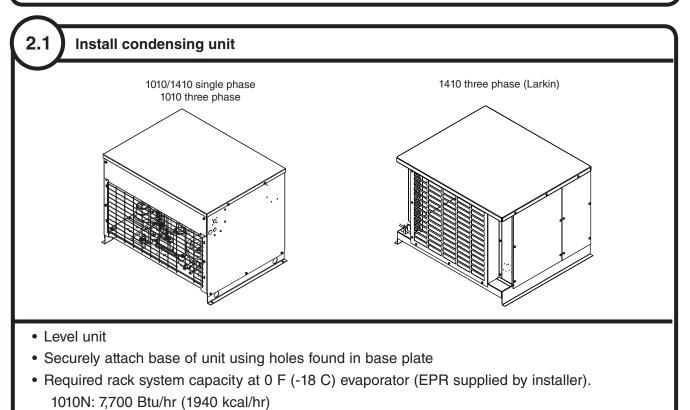
Prior to installation, carefully unpack and inspect the contents of your condensing unit!

Site preparation

To ensure proper performance, ease of service and warranty coverage, it is critical that you follow the requirements detailed in this manual. If you cannot meet these requirements or have questions, call our technical service group at 877.612.5086 for installation support.





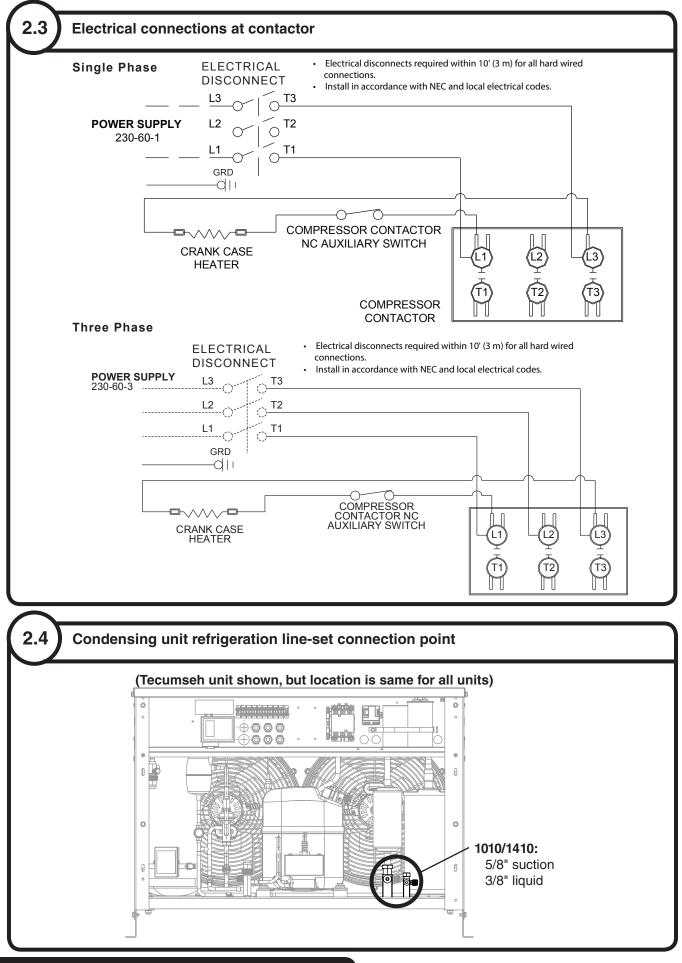


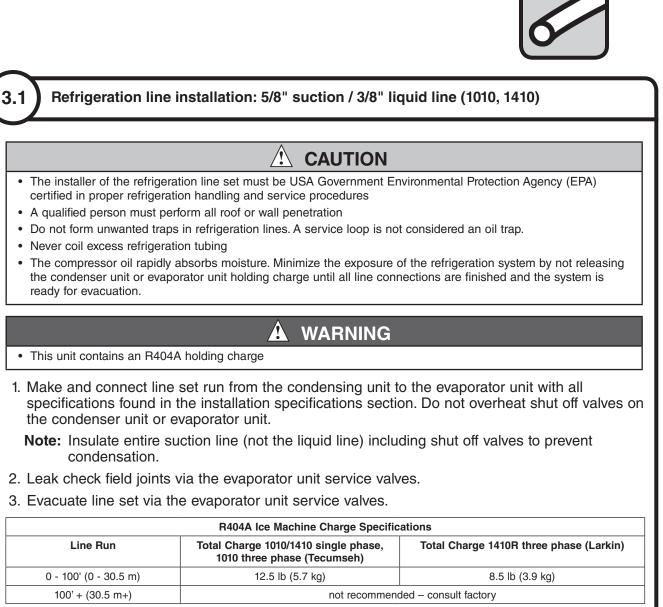
1410N: 10,000 Btu/hr (2519 kcal/hr)

requirements	
ngle-Phase 208-230/60/1)	
Min Circuit Ampacity	Max Overcurrent Protection (MOP)
ingle Phase (208-230/60/	1)
10.7A	15A
19.3A	30A
Phase (208-230/60/1)	
9.94A	15A
15A	15A
	ngle-Phase 208-230/60/1) Min Circuit Ampacity ingle Phase (208-230/60/ 10.7A 19.3A Phase (208-230/60/1) 9.94A

• Refer to wiring schematic located in condenser unit electrical box

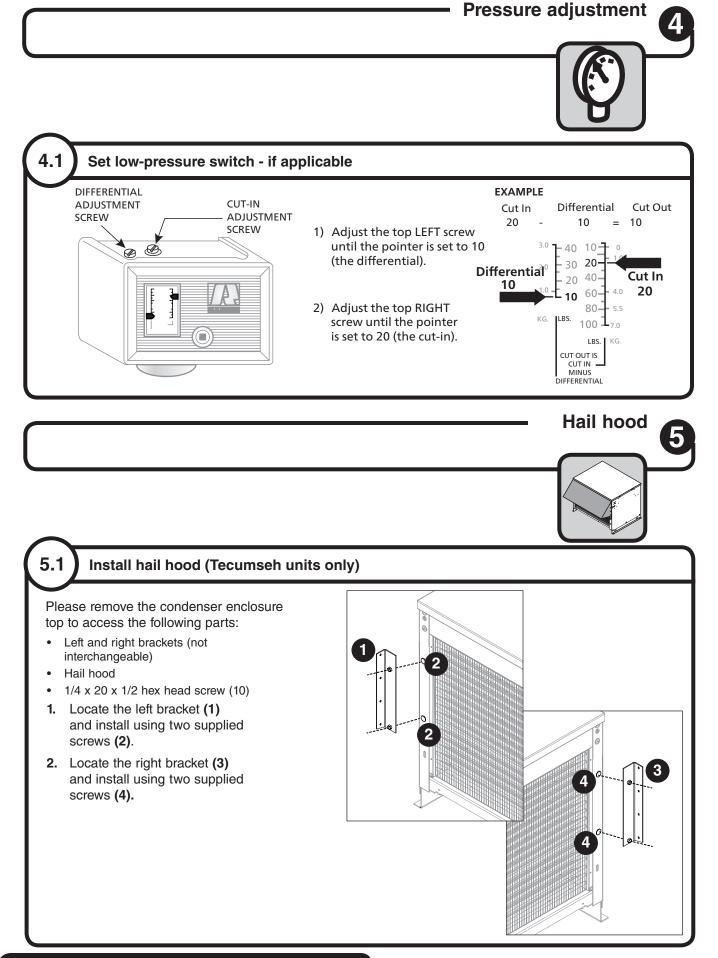
- Electrical disconnects required within 10' (3 m) for all hard wired connections
- Install in accordance with NEC and local electrical codes



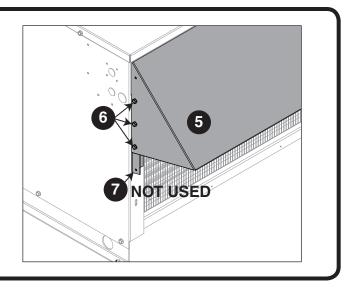


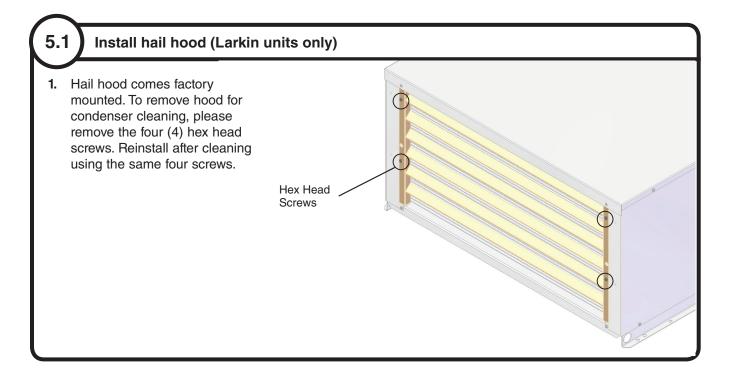
Note: Condensing unit shipped with 0.5 lb R404A charge.

- 5. Open the liquid line service valve and suction line service valve on the evaporator unit and condenser unit.
- 6. Open the liquid line valve on the receiver, then the suction line valve on the compressor unit.
- 7. Liquid charge unit through liquid line shut off valve on the evaporator unit or receiver valve on the condensing unit.
- 8. Isolate the refrigerant tank from high pressure side on the system.
- 9. Turn on power to condensing unit and evaporator unit.
- 10. Complete system charge through low pressure side.



- **3.** Install hail hood **(5)** to brackets using the remaining six screws **(6)**.
 - **Note:** The bottom hole in the bracket *is not used* when mounting the hail hood **(7)**.





6

NOTICE

Ice machine MUST be cleaned and sanitized prior to operation!

Consult Operation and Service Manual provided with ice machine for cleaning and sanitizing instructions.

6.1 Verify operation

- Turn dispenser power ON if applicable
- · Check current draw of compressor to verify correct electrical operation
- Put a piece of ice on bin thermostat or hold a cup under the shuttle actuator on the bin/ dispenser to verify that the evaporator unit shuts OFF; condensing unit pumps down and shuts off.
- After shut off, restart the ice machine

Horizon Condenser Unit Compressor Amperage				
Single Phase				
Model Number	Condensing Unit	Running amps (+/- 10%)		
1010R 01075365	AJA7490ZXDPN (Tecumseh)	7.4		
1410R 01075373	AWA9513ZXDPN (Tecumseh)	13.7		
Three Phase				
Model Number	Condensing Unit	Running amps (+/- 10%)		
1010R 01113125	AWA9490ZXTPN (Tecumseh)	6.7		
1410R 01113133	LZT015M6CFIM (Larkin)	10.7		

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