

Klinge

PTI form for all CBU-30 models

Date:	Serial number:	Location:
Date of last pre trip inspection if known:		Container number:

Note: Manual available on www.thermoking.com/klinge; unit revision number found on data plate.

Note: Record all information pertaining to testing tools used below:

Trained Operator and Date: _____

PRE-OPERATION TEST						Initial = OK	
1. With NO POWER to the unit, check unit visually for physical damage:							
a. Refrigeration unit frame for damage							
b. Refrigeration sheet metal for corrosion or damage							
c. Piping- no corrosion or physical damage to impede operation							
d. Compressor/Fans- no broken components and no appearance in defect of structural integrity							
e. Coils - no visible damage or bent/broken fins							
2. Major hold-down bolts present and fittings for main power cable present							
3. Control box is properly secured in locked position							
4. Open control box cover and check that all electric components are secured:							
a. Wires/ferrules are securely connected							
b. Wires are in good condition - no cracks, splits, or bare conductors							
c. Contactors/boards are securely connected							
d. Contactors/breakers/overloads operate properly - no sticking, easy release							
5. Check the gasket on control box cover. Be sure the latches hold the cover tightly closed							
6. Check cleanliness of the condenser coil and steam or air clean if necessary							
7. Check all refrigerant joints and connections thoroughly for traces of oil or stains indicating small refrigerant leak							
8. From the container side, verify proper location of return probe.							
a. Check condition of evaporator coil: no damaged or bent fins, corrosion							
9. Check moveable ceiling to ensure proper movement							
a. Check moveable ceiling tarp: no rips or tears							
OPERATIONAL TEST - Connect main power						Initial = OK	
1. Close circuit breaker (CB1)							
2. Set Point to 12~15 °C below container temperature.							
a. Set Point reached, refrigeration stops							
b. Container temp rises above Set Point, refrigeration cycle restarts.							
3. During refrigeration operation record amperage of the compressor motors, the condenser motors and the evaporator motor.							
Should be within the following ranges:						System	
Compressor 1	11-16 Amps	L1		L2		L3	
Compressor 2	11-16 Amps	L1		L2		L3	

Compressor 3	20-28 Amps	L1		L2		L3	
Condenser Fan 1	0.7-2.0 Amps	L1		L2		L3	
Condenser Fan 2	0.7-2.0 Amps	L1		L2		L3	
Condenser Fan 3	0.7-2.0 Amps	L1		L2		L3	
4. Check the rotation of all four fans. See arrows marking correct direction.							
5. Adjust set point to -60°C. After temperature reaches set point and cycles (1) time, put unit on manual defrost. (Enter "Manual Defrost" through the COMMAND menu)							
a. Compressor(s) 1 & 2 stop, Evaporator fan stops, condensing fans stop.							
b. Compressor 3 remains operating.							
6. Defrost terminates automatically.							
7. While unit is running, verify air circulation inside container.							
8. Turn OFF system							

By signing this form, we are acknowledging that any discrepancies in the recorded data have been noted and accepted.

Test Operator Signature	Date	Engineer / Designee Signature	Date