THERMO KING

Klinge

PTI form for all NMF-371 models

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

Note: Manual available on www.klingecorp.com; 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 structural or defective damage	
b. Refrigeration sheet metal for corrosion or defective 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 boxes are properly secured in their locked positions	
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 covers. Be sure the latches hold the covers tightly closed	
6. Check cleanliness of the condenser coils 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	

OPERATIONAL TEST - Connect main power and ensure battery charging cable connected.							Initial = **OK**
1. Close both 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 motor, the condenser motor and the evaporator motor. Should be within following ranges:							
Compressor 1	4 - 7.0 Amps	L1		L2		L3	
Compressor 2	4 – 7.0 Amps	L1		L2		L3	
Compressor 3	6 – 10.0 Amps	L1		L2		L3	
Condenser Fan	0.5 – 2.5 Amps	L1		L2		L3	
Evaporator Fan	.15 – 1.5 Amps	L1		L2		L3	
4. Check the rotation of all three 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)							

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a. Compressor(s) 1 & 2 stop, Evaporator fans stop, condensing fan stops	
b. Compressor 3 remains operating	
c. Defrost terminates automatically	
6. After defrost terminates, run unit for 15 minutes and check refrigerant in coil sight glass. Ball should be down at the top of the sight glass	
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**

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