

# Klinge Corporation

PTI form for all NMR 262 models, except -50

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

**Note:** Manual available on [www.klingecorp.com](http://www.klingecorp.com); unit revision number found on data plate.

**Note:** Both systems must be turned ON; the first system started will be the primary system and the other will be the secondary. The primary system controls the unit unless it has a failure or is turned OFF.

With **NO POWER** to the unit, check unit visually for physical damage: Check if **OK**

Major hold-down bolts, fittings main power cable		
Control boxes are properly secured in their locked positions		
Open control box cover and check that all electric components are secured and that the terminal connections are tight using a screwdriver.		
Check the gasket on control box covers. Be sure the latches hold the covers tightly closed.		
Check cleanliness of the condenser coils and steam or air clean if necessary.		
Check all refrigerant joints and connections thoroughly for traces of oil or stains indicating small refrigerant leak.		
From the container, verify proper location of return probes. The 2 return probes must be protruding through the evaporator coil. The tip of the probes must extend 133 mm from the container side of the coil and the insulating tube must be 22 mm back from the probe tip.		
Open evaporator door and verify proper location of defrost probes. The 2 defrost probes must be inserted into evaporator coil. The entire metal sleeve of the probe should be in the coil, with only black insulation showing.		
Check and record voltage of battery. The reading should be between 10 – 13 volts.		
<b>Connect main power to unit and ensure battery charging cable connected.</b>	<b>System 1</b>	<b>System 2</b>
Close both circuit breakers (CB1 and CB2) in both systems		
ONE System at a time, Initiate the function test by holding its "Manual Defrost" switch ON while switching its ON /OFF switch to the ON position. This will be the primary system.		
Turn the other system's ON /OFF switch to the ON position, this will be the secondary system.		
Watch the LEDs and follow the side label on the primary thermostat as it steps through the test. If it stops at any step there is a fault associated with the item indicated.		
After completion of function test adjust set point to 2~3 °C below container temperature. Allow the unit to go through all cycles.		
Check and record voltage of battery. The reading should be between 13 – 14 volts.		

Record amperage of the compressor motor, the condenser motor and the evaporator motor. Should not exceed the following:

Compressor	14.0 Amps	SYS1->	L1	L2	L3	SYS2->	L1	L2	L3
Condenser	4.25 Amps		L1	L2	L3		L1	L2	L3
Evaporator Fan	0..55 Amps		L1	L2	L3		L1	L2	L3

Check the rotation of all fans. See arrows marking correct direction		
Test the phase change sensor - press the black button observe the direction of the fans		
Adjust set point to -18°C after temperature reaches -5°C put unit on manual defrost. (Hold Defrost switch on for 5 seconds ) the compressor will continue to run the fans will stop.		
After defrost terminates, run unit for 15 minutes and check refrigerant in receiver sight glass. Ball should be down at the top and floating at the bottom.		
While unit is running, verify air circulation in T sections of the container floor.		
Switch CB1 of the primary system OFF and verify activation of alarm horn and light		
Verify that alarm condition causes the other system to take over primary control of the unit		
Turn OFF both systems and repeat inspection for the second system		
If applicable, ensure no refrigerant leaks.		

**Optional Data logger**

If fitted with Euroscan, print out the data from this PTI by pressing the blue print button and attach printout to this PTI form	
Set Euroscan to customer's required product limits; verify entry and storage of the values.	
Verify that the alarm function of the Euroscan is activated	
<b>Notes:</b>	<b>Signature:</b>