

Klinge Corporation
PTI form for NMR 271 models

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

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

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

Check if **OK**

Major hold-down bolts, fittings, main power cable	
Control box is properly secured in the locked position	
Open control box cover, use a screwdriver to check that all electric components are secured and that the terminal connections are tight.	
Check the gasket on the control box cover. Be sure the latches hold the cover 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 probe. The return probe must be protruding through the evaporator coil. The tip of the probe 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 probe. The defrost probe must be inserted into the evaporator coil. The entire metal sleeve of the probe should be in the coil, with only black insulation showing.	

Connect main power to unit.

Close both circuit breakers (CB1 and CB2)	
Initiate the function test by holding the "Manual Defrost" switch ON while switching the ON/OFF switch to the ON position.	
Watch the LEDs and follow the side label on the 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 a function test adjust set point to 2~3 °C below container temperature. Verify that the unit successfully goes through the cooling cycle.	

Record amperage of the compressor motor, the condenser motor and the evaporator motor.

Should not exceed the following:

Compressor	9.0 Amps	L1	L2	L3
Condenser	3.8 Amps	L1	L2	L3
Evaporator	0.55 Amps	L1	L2	L3

Check the rotation of all three fans. See arrows marking correct direction	
Test the phase change sensor - press the black button, observe the direction of the fans	
After testing cooling cycle adjust set point to 2~3°C above container temperature. Verify that the unit successfully goes through the heating cycle.	
Re-adjust set point -18°C, after temperature reaches -5°C put unit on manual defrost (hold defrost switch on for 5 seconds); the compressor continues to run and the fans stop.	
The hot gas solenoid activates	
After defrost terminates, run unit for 15 minutes and check refrigerant in receiver sight glasses. Bottom sight glass ball should be floating at highest level and the top sight glass ball should be resting on the bottom.	
While unit is running, verify air circulation in T sections of the container floor.	
Switch CB1 OFF and verify activation of alarm horn and light	

Optional Data logger

If fitted with Euroscan, print out the data 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 in the device.	
Verify that the alarm function of the Euroscan is activated	
If fitted with Partlow, replace the chart and wind mechanical drive	

Operator Notes:

Signature: _____