

Service Memo

To: Service Personnel
Re: adding capacity to systems

Problem: Long running time.

Cause: This is due to the high ambient temperature, large size of box and not enough insulation or combination of. (especially with LT ice box conversion kits)

Solution: The solution is to run the compressor at higher speed. To do so, you need a resistor installed in line of thermostat circuit.

The thermostat is connected between the terminals C and T on the Danfoss control module. Without any resistor in the control circuit, the compressor will run with a speed of 2,000 rpm when the thermostat is switched on. Other fixed compressor speeds in the range between 2,000 and 3,500 rpm can be obtained when a resistor is installed to adjust the current (mA) of the control circuit.

Resistor Ohms	Motor speed	Current mA	Running Amps
0	2,000	5	2.2-3.0
277	2,500	4	3.5-4.2
692	3,000	3	4.8-5.5
1523	3,500	2	6.0-6.5

Exact ohm ratings are not required, select resistors with close to ratings. We are using single 500 ohm or two 500 ohm or single 1500 ohm resistors.

For more information contact Nova Kool @604-523-6515 pacific standard time