

**Certificate of Compliance - Refrigerated Warehouse**

**NRCC-PRC-08-E**

More than 3,000 ft<sup>2</sup> of refrigerated space is served by the same refrigeration system compressor(s) and condenser(s)  
**(Page 1 of 2)**

**Project Name:**

**Date:**

<b>MANDATORY MEASURES</b>	<b>T-24 Sections</b>	<b>Indicate page reference on the plans</b>				
<b>Condenser ID or tags (e.g. Cond-1)</b>						
Minimum condensing temperature set point ≤ 70°F.	§120.6(a)4C, D					
Condenser fans must be continuously variable speed and all fans on a common high side are to be controlled in unison.						
The condensing temperature set point for air-cooled condensers must be reset in response to ambient drybulb temperature. The condensing temperature set point for evaporative-cooled condensers or water-cooled condensers (via cooling towers or fluid coolers) shall be reset in response to ambient wetbulb temperatures.	§120.6(a)4E					
<b>Exception to §120.6(a)4E.</b> Condensing temperature control strategies approved by the Executive Director that have been demonstrated to provide at least equal energy savings. Attach letter of approval to form.						
Minimum allowed condenser efficiency. Reference Table 120.6-B.	§120.6(a)4F					
Installed condenser specific efficiency from worksheet NRCC-PRC-06-E						
Is the installed condenser efficiency ≥ the minimum allowed condenser efficiency?		Y N <input type="checkbox"/> <input type="checkbox"/>				
<b>Evaporative Condenser or Fluid Cooler Installed (<input type="checkbox"/>Y/<input type="checkbox"/>N)</b> <b>If Yes then fill out the next 5 lines.</b>	§120.6(a)4					
Design wetbulb temperature (°F).						
Condensing temperature under design conditions (°F).						
Maximum allowed condensing temperature under design conditions (wb≤76°F Tc = wb+20°F, 76°F<wb≤78°F Tc = wb+19°F, wb > 78° Tc = wb + 18°F).	§120.6(a)4A					
Exempted condenser is on a refrigeration system where more than 20% of the design refrigeration load is for quick chilling or freezing (space with design cooling capacities of greater than 240 Btu/hr-ft <sup>2</sup> ), or process refrigeration cooling for other than a refrigerated space.	EXCEPTION §120.6(a)4A					
Condenser exempt or is the installed condensing temperature ≤ the maximum allowed condensing temperature?		Y N <input type="checkbox"/> <input type="checkbox"/>				
1. Fill in the reference to the sheet number and/or specification section and paragraph number where the required features are documented. If a requirement is not applicable, put "N/A" in the column next to the applicable section.						

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**Project Name:**

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<b>Air-cooled Condenser or Condensing Unit Installed</b> <b>(<input type="checkbox"/>Y/<input type="checkbox"/>N) If Yes then fill out the next 9 lines.</b>	§120.6(a)4								
Design drybulb temperature (°F)									
Condensing temperature under design conditions (°F).									
Is condenser serving a cooler or freezer? (if both list freezer)									

<b>MANDATORY MEASURES</b>	<b>T-24 Sections</b>	<b>Indicate page reference on the plans<sup>1</sup></b>				
Maximum allowed condensing temperature under design conditions (freezer = db + 10°F, cooler = db + 15°F) for systems serving cold storage.	§120.6(a)4B					
<b>Exception 1 to §120.6(a)4B.</b> Exempted condensing unit has a total compressor power < 100 HP.						
<b>Exception 2 to §120.6(a)4B.</b> Exempted condensing unit is on a refrigeration system where more than 20% of the design refrigeration load is for quick chilling or freezing (space with design cooling capacities of greater than 240 Btu/hr-ft <sup>2</sup> ), or process refrigeration cooling for other than a refrigerated space.						
Condenser or condensing units(s) exempt, or is the installed condensing temperature less than or equal to the maximum allowed condensing temperature?		Y N <input type="checkbox"/> <input type="checkbox"/>				
Is the fin density < 10 fins per inch?	§120.6(a)4G	Y N <input type="checkbox"/> <input type="checkbox"/>				
<b>Exception to §120.6(a)4G.</b> Condenser is a micro-channel condenser.						
<b>Compressor ID or tags (e.g. Comp-1)</b>						
Compressors shall be designed to operate at a minimum condensing temperature of 70°F or less.	§120.6(a)5A					
New open-drive screw compressors with a design saturated suction temperature ≤ 28°F that discharges to the system condenser pressure shall control compressor speed in response to the refrigeration load.	§120.6(a)5B					
<b>Exception 1 to §120.6(a)5B.</b> Exempted compressor is part of a multiple compressor suction group.						
<b>Exception 2 to §120.6(a)5B.</b> Exempted compressor(s) is part of a system where more than 20% of the design refrigeration load is for quick chilling or freezing (space with design cooling capacities of greater than 240 Btu/hr-ft <sup>2</sup> ), or process refrigeration cooling for other than a refrigerated space.						
1. Fill in the reference to the sheet number and/or specification section and paragraph number where the required features are documented. If a requirement is not applicable, put "N/A" in the column next to the applicable section.						