

REFRIGERATED WAREHOUSE



CERTIFICATE OF COMPLIANCE		NRCC-PRC-06-E
Refrigerated Warehouse		(Page 1 of 3)
Project Name:	Date Prepared:	

A. General Information			
Phase of Construction:	<input type="checkbox"/> New Construction	<input type="checkbox"/> Addition	<input type="checkbox"/> Alteration

B. Refrigerated Warehouse Mandatory Measures
Indicate location on building plans of Refrigerated Warehouse Mandatory Measures Note Block: _____

Refrigerated Warehouse Compliance Documents and Worksheets (Check box for required worksheet)
<input type="checkbox"/> NRCC-PRC-06-E Certificate of Compliance (Required for all refrigerated warehouses).
<input type="checkbox"/> NRCC-PRC-07-E Required when the refrigerated warehouse is 3,000 ft ² or greater.
<input type="checkbox"/> NRCC-PRC-08-E Required when multiple spaces are 3,000 ft ² or more and served by the same refrigeration system.

C. Condenser Efficiency Worksheet
<input type="checkbox"/> WATER-COOLED CONDENSER SERVED BY A FLUID COOLER (EXEMPT)
<input type="checkbox"/> EVAPORATIVE CONDENSER

Tag/ ID	Fans				Pumps				Condenser		
	01	02	03	04	05	06	07	08	09	10	11
	Motor Power (HP)	Motor Eff.	Motor Input Power (kW) (0.746 x C01 / C02)	Total Fan Power (kW)	Motor Power (HP)	Motor Eff.	Motor Input Power (kW) (0.746 x C05 / C06)	Total Fan Power (kW)	Capacity (MBH)	Total Input Power (kW) (C04+C08)	Specific Efficiency (Btuh/Watt) (C09 / C10)
	Fan: 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ 6 ___	Fan: 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ 6 ___	Fan: 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ 6 ___		Pump: 1 ___ 2 ___ 3 ___ 4 ___	Pump: 1 ___ 2 ___ 3 ___ 4 ___	Pump: 1 ___ 2 ___ 3 ___ 4 ___				
	Fan: 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ 6 ___	Fan: 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ 6 ___	Fan: 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ 6 ___		Pump: 1 ___ 2 ___ 3 ___ 4 ___	Pump: 1 ___ 2 ___ 3 ___ 4 ___	Pump: 1 ___ 2 ___ 3 ___ 4 ___				
	Fan: 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ 6 ___	Fan: 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ 6 ___	Fan: 1 ___ 2 ___ 3 ___ 4 ___ 5 ___ 6 ___		Pump: 1 ___ 2 ___ 3 ___ 4 ___	Pump: 1 ___ 2 ___ 3 ___ 4 ___	Pump: 1 ___ 2 ___ 3 ___ 4 ___				

REFRIGERATED WAREHOUSE

CEC-NRCC-PRC-06-E (Revised 01/16)

CALIFORNIA ENERGY COMMISSION



CERTIFICATE OF COMPLIANCE		NRCC-PRC-06-E
Refrigerated Warehouse		(Page 3 of 3)
Project Name:	Date Prepared:	

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
1. I certify that this Certificate of Compliance documentation is accurate and complete.	
Documentation Author Name:	Documentation Author Signature:
Company:	Signature Date:
Address:	CEA/HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT	
I certify the following under penalty of perjury, under the laws of the State of California:	
<ol style="list-style-type: none"> The information provided on this Certificate of Compliance is true and correct. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. 	
Responsible Designer Name:	Responsible Designer Signature:
Company :	Date Signed:
Address:	License:
City/State/Zip:	Phone:

NRCC-PRC-06-E User Instructions

This is the primary compliance document for refrigerated warehouses, which provides compliance information for the use of the enforcement agency’s field inspectors. This compliance document must be included on the plans. A copy of this compliance document should also be submitted to the enforcement agency along with the rest of the compliance submittal at the time of building permit application.

Project Description

PROJECT NAME is the title of the project, as shown on the plans and known to the enforcement agency.

PROJECT ADDRESS is the address of the project as shown on the plans and known to the enforcement agency.

DATE is the last revision date of the plans. If the plans are revised after this date, it may be necessary to re-submit the compliance documentation to reflect the altered design. Note that it is the enforcement agency’s discretion whether to require new compliance documentation or not.

Section A. General Information

PHASE OF CONSTRUCTION indicates the status of the building project described in the compliance documents. Refer to Nonresidential Compliance Manual Section 1.7 for detailed discussion of the various choices.

1. NEW CONSTRUCTION should be checked for all new buildings, newly conditioned space or for new construction in existing buildings (tenant improvements, see Section 1.7.11 and 1.7.12) that are submitted for envelope compliance.
2. ADDITION should be checked for an addition which is not treated as a stand-alone building, but which uses option 2 described in Section 1.7.14. Tenant improvements that increase conditioned floor area and volume are additions.
3. ALTERATION should be checked for alterations to an existing building mechanical systems (see Section 1.7.13). Tenant improvements are usually alterations.

Section B. Refrigerated Warehouse Mandatory Measures

Indicate the location on the plans where the mandatory measure note block exists. Check the box of each of the required worksheets.

Section C. Fan Power Condenser Specific Efficiency Worksheet

Evaporative Condensers

TAG/ID – is the system name or identifying number that corresponds to the mechanical schedule on the plans.

1. MOTOR POWER – is the nominal horsepower (hp) for an individual motor. If the manufacturer specifies the input power in kW, then skip to 3 and enter it there.
2. MOTOR EFFICIENCY – this value is taken from the manufacturer’s specifications
3. MOTOR INPUT POWER – this value is the reported input power in kW, as specified by the manufacturer or the calculated kW using the product of the motor power hp and conversion factor 0.746 and divided by the motor efficiency.
4. TOTAL FAN POWER – is the reported fan power in kW, as specified by the manufacturer.
5. MOTOR POWER – this is the nominal motor hp of the pump as specified by the manufacturer. If the manufacturer specifies the input power in kW, then skip to 7.
6. MOTOR EFFICIENCY – this value is taken from the manufacturer’s specifications.
7. MOTOR INPUT POWER - this value is the reported input power in kW, as specified by the manufacturer or the calculated kW using the product of the motor power hp and conversion factor 0.746 and divided by the motor efficiency.
8. TOTAL PUMP POWER – is the reported fan power in kW, as specified by the manufacturer.
9. CAPACITY – Enter the rated capacity of the condenser at 100 °F saturated condensing temperature and 70°F ambient wet-bulb temperature.
10. TOTAL INPUT POWER – is the sum of 4 and 8
11. SPECIFIC EFFICIENCY – is the ratio of 9 and 10

Air Cooled Condensers

TAG/ID – is the system name or identifying number that corresponds to the mechanical schedule on the plans.

1. NUMBER OF FANS – indicate the number of fans.
2. MOTOR POWER – is the nominal horsepower (hp) for an individual motor. If the manufacturer specifies the input power in kW, then skip to 3 and enter it there.
3. MOTOR EFFICIENCY – this value is taken from the manufacturer’s specifications.
4. MOTOR INPUT POWER – this value is the reported input power in kW, as specified by the manufacturer or the calculated kW using the product of the number of fans, motor power hp and conversion factor 0.746 and divided by the motor efficiency.
5. CAPACITY – Enter the rated capacity of the condenser at 100 °F saturated condensing temperature and 70°F ambient wet-bulb temperature.
6. SPECIFIC EFFICIENCY – is the ratio of 5 and 4

Documentation Author’s Declaration Statement

The CERTIFICATE OF COMPLIANCE is signed by both the Documentation Author and the Principal Designer who is responsible for preparation of the plans of building. This latter person is also responsible for the energy compliance documentation, even if the actual work is delegated to a different person acting as Documentation Author. It is necessary that the compliance documentation be consistent with the plans.

DOCUMENTATION AUTHOR is the person who prepared the energy compliance documentation and who signs the Declaration Statement. The person’s telephone number is given to facilitate response to any questions that arise. A Documentation Author may have additional certifications such as a Certified Energy Analyst or a Home Energy Rating System certification number. Enter number in the CEA# or HERS# field provided.

Declaration Statement of Principle Designer

The Declaration Statement is signed by the person responsible for preparation of the plans for the building and the documentation author. This principal designer is also responsible for the energy compliance documentation, even if the actual work is delegated to someone else (the Documentation Author as described above). It is necessary that the compliance documentation be consistent with the plans. The Business and Professions Code governs who is qualified to prepare plans and therefore to sign this statement. See Section 2.2.2 Permit Application for applicable text from the Business and Professions Code.