

RATED SPACE CONDITIONING SYSTEM EQUIPMENT VERIFICATION

CEC-CF2R-MCH-26-H (Revised 11/15)

CALIFORNIA ENERGY COMMISSION



CERTIFICATE OF INSTALLATION		CF2R-MCH-26-H
Rated Space Conditioning System Equipment Verification		(Page 1 of 2)
Project Name:	Enforcement Agency:	Permit Number:
Dwelling Address:	City:	Zip Code:

A. System Information

Procedures for verification of High SEER and EER Equipment are described in Reference Appendix RA3.4. Each HVAC system requiring verification must use a separate form.

01	System Name or Identification/Tag	
02	System Location or Area Served	
03	Status: SEER and EER Performance Compliance Credit Check	
04	Directory Used to Certify Product Performance	
05	AHRI Certification Number for the Installed Space Conditioning System from http://www.ahridirectory.org	
06	Does the directory used to certify product performance require a specific air handler/furnace make and model?	
07	Does the directory used to certify product performance require a time delay relay (+TDR)?	
08	Does the directory used to certify product performance require a TXV (+TXV)?	

B. Rated Space Conditioning System Equipment Verification

The data on nameplate of the installed component shall conform to the data for the component as shown in the Directory used to certify product performance in order to demonstrate compliance.

	Data from Nameplate of Installed system component	Data from the Directory used to certify product performance for the rated system component
Outdoor Condenser or Package Unit - Installed Manufacturer Name	01	02
Outdoor Condenser or Package Unit - Installed Model Number	03	04
Inside Coil - Installed Manufacturer Name	05	06
Inside Coil - Installed Model Number	07	08
Air Handler/Furnace - Installed Manufacturer Name	09	10
Air Handler/Furnace - Installed Model Number	11	12

C. Verified Cooling System SEER

01	Required Minimum SEER	
02	Installed SEER	
03	Compliance Statement:	

Signature by responsible party below certifies that the installed cooling equipment meets or exceeds the required value listed on the CF1R.

D. Verified Cooling System EER

01	Required Minimum EER	
02	Installed EER	
03	Compliance Statement:	

Signature by responsible party below certifies that the installed cooling equipment meets or exceeds the required value listed on the CF1R.

E. Verified Cooling System Air Handler/Furnace

01	If a specific air handler or furnace is required by the AHRI certificate, the responsible party certifies by signing below that the installed air handler/furnace matches the equipment on the AHRI Certificate.
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F. Verified Cooling System Time Delay Relay

01	If a Time Delay Relay is required by the AHRI certificate, the responsible party certifies by signing below that the Time Delay Relay is installed and has been tested to operate correctly according to the protocols of RA3.4.3.
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G. Verified Cooling System TXV

01	If a TXV is required by the AHRI certificate, the responsible party certifies by signing below that the TXV is properly installed and has been visually verified, including proper placement of sensing bulb.
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Registration Number:

Registration Date/Time:

HERS Provider:

CA Building Energy Efficiency Standards - 2013 Residential Compliance

November 2015

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CERTIFICATE OF INSTALLATION		CF2R-MCH-26-H
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Project Name:	Enforcement Agency:	Permit Number:
Dwelling Address:	City:	Zip Code:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Installation documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Documentation Author Company Name:	Date Signed:
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:

- The information provided on this Certificate of Installation is true and correct.
- I am eligible under Division 3 of the Business and Professions Code in the applicable classification to accept responsibility for the system design, construction, or installation of features, materials, components, or manufactured devices for the scope of work identified on this Certificate of Installation and attest to the declarations in this statement (responsible builder/installer), otherwise I am an authorized representative of the responsible builder/installer.
- The constructed or installed features, materials, components or manufactured devices (the installation) identified on this Certificate of Installation conforms to all applicable codes and regulations, and the installation conforms to the requirements given on the plans and specifications approved by the enforcement agency.
- I understand that a HERS rater will check the installation to verify compliance, and that if such checking identifies defects; I am required to take corrective action at my expense. I understand that Energy Commission and HERS Provider representatives will also perform quality assurance checking of installations, including those approved as part of a sample group but not checked by a HERS rater, and if those installations fail to meet the requirements of such quality assurance checking, the required corrective action and additional checking/testing of other installations in that HERS sample group will be performed at my expense.
- I reviewed a copy of the Certificate of Compliance approved by the enforcement agency that identifies the specific requirements for the scope of construction or installation identified on this Certificate of Installation, and I have ensured that the requirements that apply to the construction or installation have been met.
- I will ensure that a registered copy of this Certificate of Installation shall be posted, or 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 registered copy of this Certificate of Installation is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Builder/Installer Name:	Responsible Builder/Installer Signature:	
Company Name: (Installing Subcontractor or General Contractor or Builder/Owner)	Position With Company (Title):	
Address:	CSLB License:	
City/State/Zip:	Phone:	Date Signed:
Third Party Quality Control Program (TPQCP) Status:	Name of TPQCP (if applicable):	

Registration Number:

Registration Date/Time:

HERS Provider:

CA Building Energy Efficiency Standards - 2013 Residential Compliance

November 2015

CF2R-MCH-26-H User Instructions**Section A. System Information**

1. System Identification or Name: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
2. System Location or Area Served: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
3. Status: SEER and EER performance compliance credit check: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
4. Directory used to certify product performance: User to select from dropdown list the certification data base used to document equipment efficiency.
5. AHRI certification number for the installed space conditioning system: If not using AHRI, select “N/A.” Otherwise, enter the complete AHRI certification number for the equipment installed. This number represents a specific piece of equipment (e.g., package units) or combination of equipment (e.g., split systems) that must match the installed equipment.
6. Does the directory used to certify product performance require a specific air handler/furnace make and model? If not using AHRI, select “N/A.” Note that when using AHRI, this does not apply to package units. Sometimes, for split systems, a specific model air handler/furnace will be called out in addition to the condenser and coil. When it is, it must be installed and verified for the AHRI certificate to be valid for the installed system. Sometimes, the AHRI certificate only calls out the condenser and coil model numbers. In this case the furnace make/model need not be verified. If not, select “No”.
7. Does the directory used to certify product performance require a time delay relay (+TDR)? If not using AHRI, select “N/A.” If the certification directory or documentation specifies that a TDR was on the system when it was tested, then the TDR is required for the system to achieve its certified efficiency and it must be verified. If not, select “No”. The indication for a TDR usually consists of a “+TDR” at the end of the model number. Sometimes it may just be a “+D” (delay).
8. Does the directory used to certify product performance require a TXV (+TXV)? If not using AHRI, select “N/A.” If the certification directory or documentation specifies that a TXV was on the system when it was tested, then the TXV is required for the system to achieve its certified efficiency and it must be verified. If not, select “No”. The indication for a TXV usually consists of a “+TXV” at the end of the model number. Sometimes it may just be a “+V” (valve).

Section B. Rated Space Conditioning System Equipment Verification

1. Outdoor Condenser or Package Unit - Installed Manufacturer Name, Data from Nameplate of Installed system component: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
2. Outdoor Condenser or Package Unit - Installed Manufacturer Name, Data from the Directory used to certify product performance for the rated system component: Enter the Manufacturer’s name for the condenser as it appears in the Directory. For Package units, this will be the only Manufacturer’s name.
3. Outdoor Condenser or Package Unit - Installed Model Number, Data from Nameplate of Installed system component: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
4. Outdoor Condenser or Package Unit - Installed Model Number, Data from the Directory used to certify product performance for the rated system component: Enter the Manufacturer’s model number for the condenser as it appears in the Directory. For Package units, this will be the only model number required.
5. Inside Coil - Installed Manufacturer Name, Data from Nameplate of Installed system component: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
6. Inside Coil - Installed Manufacturer Name, Data from the Directory used to certify product performance for the rated system component: Enter the Manufacturer’s name for the inside coil (aka, indoor coil, evaporator coil) as it appears in the Directory. For package units and fan coil units, there is no separate inside coil, so enter “N/A”.
7. Inside Coil - Installed Model Number, Data from Nameplate of Installed system component: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
8. Inside Coil - Installed Model Number, Data from the Directory used to certify the rated system component: Enter the Manufacturer’s model number for the inside coil (aka, indoor coil, evaporator coil) as it appears in the Directory. For package units and fan coil units, there is no separate inside coil, so enter “N/A”.
9. Air Handler/Furnace - Installed Manufacturer Name, Data from Nameplate of Installed system component: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
10. Air Handler/Furnace - Installed Manufacturer Name, Data from AHRI Certificate for the rated system component: If not using AHRI, select “N/A.” Enter the Manufacturer’s name for the air handler/furnace as it appears on the AHRI certificate. For package

units there is no separate air handler, so enter “N/A”. Also enter “N/A” if a specific furnace or air handler is not called out on the AHRI certificate, as indicated in Section A, above.

11. Air Handler/Furnace - Installed Model Number, Data from Nameplate of Installed system component: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document
12. Air Handler/Furnace - Installed Model Number, Data from AHRI Certificate for the rated system component: If not using AHRI, select “N/A”. Enter the Manufacturer’s model number for the air handler/furnace as it appears on the AHRI certificate. For package units there is no separate air handler, so enter “N/A”. Also enter “N/A” if a specific furnace or air handler is not called out on the AHRI certificate, as indicated in Section A, above.

Section C. Verified Cooling System SEER

1. Required Minimum SEER: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
2. Installed SEER: Enter the exact SEER value shown in the Directory used to certify the equipment shown in Section B, above.
3. Compliance Statement: This field is filled out automatically. Compliance requires that the installed SEER meet the required minimum SEER.

Section D. Verified Cooling System EER

1. Required Minimum EER: This field is filled out automatically. It is referenced from the CF2R-MCH-01, which must be completed prior to this document.
2. Installed EER: Enter the exact EER value shown on in the Directory used to certify the equipment shown in Section B, above.
3. Compliance Statement: This field is filled out automatically. Compliance requires that the installed EER meet the required minimum EER.

Section E. Verified Cooling System Air Handler/Furnace

1. This statement must be true for the system to comply.

Section F. Verified Cooling System Time Delay Relay

1. This statement must be true for the system to comply.

Section G. Verified Cooling System TXV

1. This statement must be true for the system to comply.