

2016 HERS Verification Summary Table (Alterations)

Scope of Work	Duct Testing	Refrigerant Charge	Cooling Coil Airflow	Fan Efficacy
	Mandatory Measure All Climate Zones	CZ's 2, 8-15 Prescriptive Req.	Mandatory Measure All Climate Zones	Mandatory Measure All Climate Zones
Entirely New System Equipment & Ducts (Including Package Units & Mini-Splits)	≤ 5%	Verify Charge Verify Airflow ≥350 cfm/ton	≥ 350/ton	≤.58 Watts/cfm
	No Exceptions		OR Installer may demonstrate compliance using Return Duct Sizing per tables 150.0-B/C	
New Duct System ≥75% is new and the retained portions are accessible and can be sealed	≤ 5%	N/A	≥ 350/ton	≤ .58 Watts/cfm
	No Exceptions		OR Installer may demonstrate compliance using Return Duct Sizing per tables 150.0-B/C	
Altered Duct System >40' Replaced and <75% of ducting replaced	≤ 15%	N/A	N/A	N/A
	See Exceptions			
Altered Duct System ≤ 40' Installed or located in any space	N/A	N/A	N/A	N/A
Furnace/FAU Change-out Only Existing ducting not altered	≤ 15%	N/A	N/A	N/A
	See Exceptions			
Condenser or Coil Change-out Only Existing ducting not altered	≤ 15%	Verify Charge Verify Airflow ≥300 cfm/ton <i>If 300/ton not achieved Airflow Remediation</i>	N/A	N/A
	See Exceptions			
Refrigerant containing component Replacement of any of the following: Line-set, TXV, compressor or Filter drier	N/A	Verify Charge Verify Airflow ≥300 cfm/ton <i>If 300/ton not achieved Airflow Remediation</i>	N/A	N/A
Package Unit Includes furnace, condensor and coil Existing ducting not altered	≤ 15%	Verify Charge (AHRI) Verify Airflow ≥300 cfm/ton <i>If 300/ton not achieved Airflow Remediation</i>	N/A	N/A
	See Exceptions			
Ductless Mini Splits	N/A	Verify Charge Weigh-In Only	N/A	N/A
Ducted Mini Splits Existing ducting not altered	≤ 15%	Verify Charge (Weigh-In Only) Verify Airflow ≥300 cfm/ton <i>If 300/ton not achieved Airflow Remediation</i>	N/A	N/A
	See Exceptions			

Exceptions to HERS Verification Requirements

Determination of HERS verification requirements begins with determining the scope of work and then considering the climate zone. Although duct sealing and airflow/fan watt draw verifications are required in all climate zones, refrigerant charge verifications are only required in climate zones 2 and 8–15. You must also determine if there are any exemptions that apply to the system. See the reverse side for the exceptions to Duct testing, Refrigerant Charge, Airflow/Fan Efficacy and Mini Splits.

Exceptions to Duct Sealing Requirements

Following exceptions do not apply to Entirely New or Replacement Space Conditioning Systems (Cut-In).

1. The system is not ducted (e.g., ductless mini-split, wall units, etc.).
2. There are less than 40 feet of ducts total in any space including plenums and the FAU.
3. The ducts are insulated or sealed with asbestos.
4. The system was previously tested and certified by a HERS Rater and it can be documented by a HERS Verification Certificate (CF-3R or prior to 1 July 2014 a CF-4R). This exception does not apply if more than 40 feet of ducts have been added or replaced since the original verification. It does apply to homes that passed as part of a sample group but were not actually tested.

Exceptions to the Refrigerant Charge Requirements

1. The system does not have air conditioning installed.
2. The air-conditioning system is determined to be non-operational by the local Authority Having Jurisdiction (AHJ).
3. The system is a new package with factory certification of charge. However, minimum airflow must still be verified. The Rater will have to access the AHRI database in order to obtain the certification number associated with the package unit and document the number on the CF2R-Mech-25.
4. The system has an approved and verified "Charge Indicator Display" (CID).

Exceptions to System Airflow and Fan Efficacy Requirements

1. The system is not ducted.
2. The system does not have air conditioning.