



October 2016 Implementation Manual Ductless Heat Pump Clarification

After the recently released Implementation Manual Draft and subsequent Brown Bag, the Residential team received several requests to clarify a statement that had been added to the Residential Ductless Heat Pumps section. It was requested that Section 10.8.1, Specifications and Requirements, Bullet No. 7 be clarified to address the different nomenclature used to describe Ductless and Ducted Mini-Splits, as well as how to address what incentive applies when customers install both a Ducted and Ductless Mini-Split at the same time.

To address this issue, the October 1st Implementation Manual release will include the following clarifying language:

Section 10.8.1 Requirements and Specifications, bullet number 7

- Ducted indoor DHP units do not qualify for Payment as a Ductless Heat Pump (DHP) but may be claimed as a PTCS Variable Speed Heat Pump provided the installation meets all PTCS requirements.

Mini-Splits include both ductless mini-split head(s) as well as ducted mini-split(s):

1. A ductless mini-split head has an indoor wall-mounted inverter-driven unit (air handler) that is not connected to ductwork.
2. A ducted mini-split (also referred to as short-run ducted or a ducted ductless) has an indoor inverter-driven (variable speed) unit (air handler) that is connected to ductwork.

Three common applications of this technology and the program they would apply to are contained in the table below. For situations where this table does not apply, please contact your EER for further information.

Technology and application	Program
Ductless Mini-Split (Heat Pump) Only	Ductless Heat Pump (DHP)
Ducted Mini-Split (Heat Pump) Only	PTCS Variable Speed Heat Pump (VSHP)
Combination Mini-Split System (both ductless head and ducted mini-split(s)) installed at the same time)	<p>DHP incentive applies if Ductless head(s) serves 50% or more of the conditioned square footage served by the outdoor unit. DHP program requirements must be met for this installation. The ducted system shall be installed to manufacturer's specifications.</p> <p>PTCS Variable Speed Heat Pump (VSHP) incentive applies if Ductless head(s) serves less than 50% of the conditioned square footage served by the outdoor unit. The ducted system must meet PTCS requirements. The ductless system shall be installed to manufacturer's specifications.</p>

If you have further questions or comments, please feel free to contact Jessica Kramer, Sr. Program Support for Residential HVAC at jlkramer@bpa.gov.