

R406.2 System type options **based on their primary heating source.**

System Types for Residential Energy Code (WSEC-R 2021 2nd Printing)

This document provides the credit selections from the WSEC-R 2021 sections R406.2. Be sure to pay attention to the footnotes in this section as well as the corresponding documents sections based on the R406.3 credit options.

System Type: Option 1 - Credits: All Others 0.0 cr. / Group R2b 0.0 cr.

For combustion heating equipment meeting minimum federal efficiency standards for the equipment listed in Table C403.3.2(5) or C403.3.2(6)

System Type: Option 2 - Credits: All Others 1.5 cr. / Group R2b 0.0 cr.

For an initial heating system using a heat pump that meets federal standards for the equipment listed in Table C403.3.2(2) and supplemental heating provided by electric resistance or a combustion furnace meeting minimum standards listed in Table C403.3.2(5)^b

System Type: Option 3 - Credits: All Others 0.5 cr. / Group R2b -0.5 cr.

For heating system based on electric resistance only (either forced air or Zonal)

System Type: Option 4^c - Credits: All Others 3.0 cr. / Group R2b 2.0 cr.

For heating system using a heat pump that meets federal standards for the equipment listed in Table C403.3.2(2) or C403.3.2(9)

or

Air to water heat pump units that are configured to provide both heating and cooling and are rated in accordance with AHRI 550/590

System Type: Option 5 - Credits: All Others 2.0 cr. / Group R2b 0.0 cr.

For heating system based on electric resistance with:
Inverter-driven ductless mini-split heat pump system installed in the largest zone in the dwelling,

or

With 2kW or less total installed heating capacity per dwelling

Footnotes:

- a. See Section R401.1 and residential building in Section R202 for Group R-2 scope.
- b. The gas back-up furnace will operate as fan-only when the heat pump is operating. The heat pump shall operate at all temperatures above 38°F (3.3°C) (or lower). Below that "changeover" temperature, the heat pump would not operate to provide space heating. The gas furnace provides heating below 38°F (3.3°C) (or lower).
- c. Additional points for the HVAC system are included in Table R406.3.