

(Effective October 29, 2023)

WAC 51-11R-40392 Section R403.13—Heat pump space heating.

R403.13 Heat pump space heating. Space heating shall be provided by a heat pump system.

EXCEPTIONS:

1. Detached one- and two-family dwellings and multiple-single family dwellings (townhouses up to three stories in height above grade having an installed HVAC heating capacity no greater than 1.5 watts of electric resistance heating per square foot of *dwelling unit conditioned floor area*, or up to 500 watts, whichever is greater.
2. Group R-2 *dwelling or sleeping units* having an installed HVAC heating capacity no greater than 750 watts in Climate Zone 4, and 1,000 watts in Climate Zone 5, in any separate habitable room with exterior fenestration are permitted to be heated using electric resistance appliances. For buildings in location with exterior design conditions below 4°F (-15.6°C), an additional 250 watts above that allowed for Climate Zone 5 is permitted.
- 2.1. A room within a dwelling or sleeping unit that has two primary walls facing different cardinal directions, each with exterior fenestration, is permitted to have an installed HVAC heating capacity no greater than 1,000 watts in Climate Zone 4, and 1,300 watts in Climate Zone 5. Bay windows and other minor offsets are not considered primary walls. For buildings in location with exterior design conditions below 4°F (-15.6°C), an additional 250 watts above that allowed for Climate Zone 5 is permitted.
3. Resistance heating elements integrated into heat pump equipment.
4. Solar thermal systems.
5. Waste heat, radiant heat exchanger, and energy recovery systems.
6. Supplementary heat in accordance with Section R403.1.2.
7. Where there is no electric utility service available at the building site.
8. Heating systems that rely primarily on biomass are allowed in Climate Zone 5.

[Statutory Authority: RCW 19.27A.020, 19.27A.045, 19.27A.160, and chapter 19.27A RCW. WSR 23-02-060 and 23-12-102, § 51-11R-40392, filed 1/3/23 and 6/7/23, effective 10/29/23.]