(Effective until March 15, 2024)

Table C403.3.2(5)—Minimum efficiency re-WAC 51-11C-403235 quirements—Gas- and oil-fired boilers.

Table C403.3.2(5) Minimum Efficiency Requirements—Gas- and Oil-Fired Boilers

Equipment Type ^a	Subcategory or Rating Condition	Size Category (Input)	Minimum Efficiency	Test Procedure
Boilers, hot water	Gas-fired	< 300,000 Btu/h ^{d,e}	82% AFUE	10 C.F.R. Part 430
		≥ 300,000 Btu/h and ≤ 2,500,000 Btu/h ^b	80% E _t	10 C.F.R. Part 431
		> 2,500,000 Btu/ha	82% E _c	
	Oil-fired ^c	< 300,000 Btu/he	84% AFUE	10 C.F.R. Part 430
		≥ 300,000 Btu/h and ≤ 2,500,000 Btu/h ^b	82% E _t	10 C.F.R. Part 431
		> 2,500,000 Btu/ha	84% E _c	
Boilers, steam	Gas-fired	< 300,000 Btu/h ^d	80% AFUE	10 C.F.R. Part 430
	Gas-fired - All, except natural draft	≥ 300,000 Btu/h and ≤ 2,500,000 Btu/h ^b	79% E _t	10 C.F.R. Part 431
		> 2,500,000 Btu/ha	79% E _t	
	Gas-fired-natural draft	≥ 300,000 Btu/h and ≤ 2,500,000 Btu/h ^b	79% E _t	
		> 2,500,000 Btu/ha	79% E _t	
	Oil-fired ^c	< 300,000 Btu/h	82% AFUE	10 C.F.R. Part 430
		≥ 300,000 Btu/h and ≤ 2,500,000 Btu/h ^b	81% E _t	10 C.F.R. Part 431
		> 2,500,000 Btu/ha	81% E _t	

For SI: 1 British thermal unit per hour = 0.2931 W.

Combustion efficiency (100 percent less flue losses).

Thermal efficiency. See referenced standard document for detailed information.

- These requirements apply to boilers with rated input of 8,000,000 Btu/h or less that are not packaged boilers and to all packaged boilers. Minimum efficiency requirements for boilers cover all capacities of packaged boilers.

 Maximum capacity minimum and maximum ratings as provided for and allowed by the unit's controls.
- Includes oil-fired (residual).
- Boilers shall not be equipped with a constant burning ignition pilot.
- A boiler not equipped with a tankless domestic water heating coil shall be equipped with an automatic means for adjusting the temperature of the water such that an incremental change in inferred heat load produces a corresponding incremental change in the temperature of the water supplied.

[Statutory Authority: RCW 19.27A.020, 19.27A.025, 19.27A.160 and chapter 19.27 RCW. WSR 1 9-24-040, § 51-11C-403235, filed 11/26/19, effective 7/1/20. Statutory Authority: RCW 19.27A.025, 19.27A.160, and 19.27.074. WSR $16-03-\overline{072}$, § 51-11C-403235, filed 1/19/16, effective 7/1/16. Statutory Authority: RCW 19.27A.020, 19.27A.025 and chapters 19.27 and 34.05 RCW. WSR 13-04-056, \S 51-11C-403235, filed 2/1/13, effective 7/1/13.1