



Minimum Heating Efficiencies

Gas- and Oil-Fired Central Furnaces — Minimum Heating Efficiencies

Table 4-1 of 2013 Residential Compliance Manual

Appliance	Rated Input (Btuh)	Minimum Efficiency (%)		
		AFUE		Thermal Efficiency
		Before 1/1/2015	Effective 1/1/2015	
Weatherized gas central furnaces with single phase electrical supply	<225,000	78%	78%	—
Non-weatherized gas and oil central furnaces with single phase electrical supply	<225,000	80%	80%	—
Weatherized oil central furnaces with single phase electrical supply	<225,000	78%	78%	—
Non-weatherized oil central furnaces with single phase electrical supply	<225,000	83%	83%	—
Gas central furnaces	≥225,000	—	—	80%
Oil central furnaces	≥225,000	—	—	81%

Heat Pump — Minimum Heating Efficiency

Adapted from Table 4-3 of 2013 Residential Compliance Manual

Single phase air source heat pumps (NAECA)			
Configuration	Size (Btuh)	Minimum Heating Efficiency	
Packaged	<65,000 Cooling Capacity	Before 1/1/2015 7.7 HSPF	Effective 1/1/2015 8.0 HSPF
Split	<65,000 Cooling Capacity	Before 1/1/2015 7.7 HSPF	Effective 1/1/2015 8.2 HSPF
Space-constrained Packaged	<65,000 Cooling Capacity	7.4 HSPF	
Space-constrained Split	<65,000 Cooling Capacity	7.4 HSPF	
Small duct high velocity	<65,000 Cooling Capacity	7.7 HSPF	

Minimum Cooling Efficiencies

(Smaller) Central Air Conditioners and Heat Pumps — Minimum Cooling Efficiencies

Adapted from Table 4-6 from 2013 Residential Compliance Manual

Appliance	Type	Size	SEER Before 1/1/2015	SEER Effective 1/1/2015	EER Effective 1/1/2015
Central Air Conditioners	Split System	<45,000	13.0	14.0	12.2
		≥45,000 and <65,000	13.0	14.0	11.7
	Single Package	<65,000	13.0	14.0	11.0
Central Air Source Heat Pumps	Split System	<65,000	13.0	14.0	NR
	Single Package	<65,000	13.0	14.0	NR
Space Constrained Air Conditioner	Split System	<65,000	12.0	12.0	NR
	Single Package	<65,000	12.0	12.0	NR
Space Constrained Heat Pump	Split System	<65,000	12.0	12.0	NR
	Single Package	<65,000	12.0	12.0	NR
Through-the-wall Air Conditioner	Split System	<65,000	10.9	10.9	NR
	Single Package	<65,000	10.6	10.6	NR
Through-the-wall Heat Pump	Split System	<65,000	10.9	10.9	NR
	Single Package	<65,000	10.6	10.6	NR
Small Duct, High Velocity Air Conditioner	All	<65,000	13.0	13.0	NR
Small Duct, High Velocity Heat Pump	All	<65,000	13.0	13.0	NR

Source: California Appliance Efficiency Regulations Table C-2
NR = No Requirement

Minimum DHW Efficiencies

Small Federally Regulated Water Heaters — Minimum Efficiencies

From Table 5-1 of the 2013 Residential Compliance Manual

Single phase air source heat pumps (NAECA)			
Type	Size	Energy Factor (EF) January 1, 2014	Energy Factor (EF) Effective April 16, 2015
Gas Storage (≤55 gallons)	≤75 Btuh:	0.67-(0.0019*V)	0.675-(0.0015*V)
Gas Storage (>55 gallons)	≤75 kBtuh:	0.67-(0.0019*V)	0.8012 – (0.00078*V)
Gas Instantaneous	≤200 kBtuh:	0.62	0.82
Oil Storage	≤105 kBtuh:	0.59-(0.0019*V)	0.68-(0.0019*V)
Oil Instantaneous	≤210 kBtuh:	0.59-(0.0019*V)	--
Electric Storage (≤55 gallons, exc. table top)	≤12 kW	0.97-(0.00132*V)	0.96-(0.0003*V)
Electric Storage (>55 gallons, exc. table top)	≤12 kW	0.97-(0.00132*V)	2.057 – (0.0013 *V)
Electric Table Top	≤12 kW	0.93-(0.00132*V)	No change
Electric Instantaneous (exc. table top)	≤12 kW	0.93-(0.00132*V)	No change
Heat pump Water Heater	≤24 Amps	0.97-(0.00132*V)	See Electric Storage >55 gallons



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