

Reference Table for 40 CFR Part 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

Source Category	Engine Type	Fuel	Burn Type	HP	Manufacture Date*	Emission Limits (g/HP-hr)			Emission Limits (ppm @ 15%O2)			
						NOx	CO	VOC	NOx	CO	VOC	
Stationary Spark Ignited	Non-Emergency	Natural Gas	Rich Burn	100≤HP<500	7/1/2008	2.0	4.0	1.0	160	540	86	
					1/1/2011	1.0	2.0	0.7	82	270	60	
				HP≥500	7/1/2007	2.0	4.0	1.0	160	540	86	
					7/1/2010	1.0	2.0	0.7	82	270	60	
				Lean Burn	100≤HP<500	7/1/2008	2.0	4.0	1.0	160	540	86
						1/1/2011	1.0	2.0	0.7	82	270	60
			500≤HP<1,350		1/1/2008	2.0	4.0	1.0	160	540	86	
					7/1/2010	1.0	2.0	0.7	82	270	60	
			HP≥1350		7/1/2007	2.0	4.0	1.0	160	540	86	
					7/1/2010	1.0	2.0	0.7	82	270	60	
			LPG	Lean Burn	100≤HP<500	7/1/2008	2.0	4.0	1.0	160	540	86
						1/1/2011	1.0	2.0	0.7	82	270	60
		500≤HP<1,350			1/1/2008	2.0	4.0	1.0	160	540	86	
					7/1/2010	1.0	2.0	0.7	82	270	60	
		HP≥1350			7/1/2007	2.0	4.0	1.0	160	540	86	
					7/1/2010	1.0	2.0	0.7	82	270	60	
		Landfill Gas Digester	Rich Burn	HP≥500	7/1/2007	3.0	5.0	1.0	220	610	80	
					7/1/2010	2.0	5.0	1.0	150	610	80	
				100≤HP<500	7/1/2008	3.0	5.0	1.0	220	610	80	
					1/1/2011	2.0	5.0	1.0	150	610	80	
			Lean Burn	500≤HP<1,350	1/1/2008	3.0	5.0	1.0	220	610	80	
					7/1/2010	2.0	5.0	1.0	150	610	80	
				HP≥1,350	7/1/2007	3.0	5.0	1.0	220	610	80	
					7/1/2010	2.0	5.0	1.0	150	610	80	
Emergency	Natural Gas, LPG, Landfill Gas	25<HP<130	1/1/2009	10 NOx+HC	387.0	-	-	-	-			
		HP≥130	1/1/2009	2.0	4.0	1.0	160	540	86			

*JJJJ applicable if the date that engine is ordered (or the engine was modified or reconstructed) after June 12, 2006 AND the manufacture date is after the listed date.

*Engine <500 HP must perform an initial performance test within 8760 hours of startup to demonstrate compliance.

*Engine ≥ 500 HP must perform an initial performance test within 8760 hours of startup to demonstrate compliance, and then every 8,760 hours or 3 years, whichever comes first.

*For all engines, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions