

Non road mobile machinery

US EPA	Output range	Year										
		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	< 8 kW	Tier 1	Tier 2			Tier 4 *						
	8 ≤ kW < 19					Tier 4						
	19 ≤ kW < 37	Tier 2			Interim Tier 4				Tier 4			
	37 ≤ kW < 56	Tier 2			Interim Tier 4 **				Tier 4			
					Tier 3 **			Tier 4				
					Tier 3			Tier 4				
56 ≤ kW < 75				Tier 3			Tier 4					

* hand-startable, air cooled DI engines may be certified to Tier 2 standards through 2009

** - the engine manufacturer can choose which way to follow : interim Tier 4 or Tier 3

- interim Tier 4 is more strict for PM (0.3 instead of 0.4), however the engine manufacturer can produce compliance engines for 1 year longer than for Tier 3

- Yanmar has chosen to follow interim Tier 4 instead of Tier 3

Europe	Output range	Year										
		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	< 19* kW	No regulation so far										
	19* ≤ kW < 37	Stage 2			Stage 3A							
	37 ≤ kW < 56	Stage 2			Stage 3A					Stage 3B		
	56 ≤ kW < 75	Stage 2			Stage 3A				Stage 3B		Stage 4	

* was 18 kW for Stage 1 and Stage 2

Generator

Europe (mobile)	Output range	Year										
		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	< 19 kW	No regulation so far										
	19 ≤ kW < 37	No regulation			Stage 2				Stage 3A			
	37 ≤ kW < 56				Stage 2				Stage 3A			
	56 ≤ kW < 75				Stage 2				Stage 3A			

US EPA (mobile *)	Output range	Year										
		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	< 19 kW	Tier 1	Tier 2			Tier 4						
	19 ≤ kW < 37					Interim Tier 4				Tier 4		
	37 ≤ kW < 56	Interim Tier 4				Tier 4						
		Tier 3				Tier 4						
	56 ≤ kW < 75	Tier 3				Interim Tier 4						

* mobile means made to be portable (or transportable)

US EPA (stationary* prime & standby)	Output range	Year										
		2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
	< 19 kW	Tier 1 from April 2006			Tier 2	Tier 4						
	19 ≤ kW < 37				Tier 2	Interim Tier 4				Tier 4		
	37 ≤ kW < 56				Tier 2	Interim Tier 4				Tier 4		
					Tier 3			Tier 4				
	56 ≤ kW < 75				Tier 2			Tier 3			Interim Tier 4	

↑ Tier 1 from April 2006

* stationary : - used in a fixed application
 - or in a portable (or transportable) application in which the engine will stay at a single site for at least a full year