

CARB Fleet Averaging Standards

Fleet Type	Initial Compliance Dates					
	1/1/2009		1/1/2011		1/1/2013	
	g/kW-hr	g/bkhp-hr	g/kW-hr	g/bkhp-hr	g/kW-hr	g/bkhp-hr
Large Forklift Fleet 26 +	3.2 g/kW-hr	2.4 g/bkhp-hr	2.3 g/kW-hr	1.7 g/bkhp-hr	1.5 g/kW-hr	1.1 g/bkhp-hr
Medium Forklift Fleet 4-25	3.5 g/kW-hr	2.6 g/bkhp-hr	2.7 g/kW-hr	2.0 g/bkhp-hr	1.9 g/kW-hr	1.4 g/bkhp-hr
Non Forklift Fleet 4 +	4.0 g/kW-hr	3.0 g/bkhp-hr	3.6 g/kW-hr	2.7 g/bkhp-hr	3.4 g/kW-hr	2.5 g/bkhp-hr
Fleet users of 3 or less forklifts are exempt from averaging requirements						

CARB LP Engine Emission Standards						
Hyster			Non - Hyster <small>(unless identified on engine differently)</small>			
	g/kW-hr	g/bkhp-hr		g/kW-hr	g/bkhp-hr	
<i>2000 and older</i>	16 g/kW-hr	12 g/bkhp - hr		<i>2000 and older</i>	16 g/kW-hr	12 g/bkhp - hr
2001 - 2003 Phase In				2001 - 2003 Phase In		
<i>2001 MAZDA 2.0L & 2.2L</i>	4 g/kW-hr	3 g/bkhp - hr		2001	16 g/kW-hr	12 g/bkhp - hr
<i>2001 GM 3.0L</i>	16 g/kW-hr	12 g/bkhp - hr				
<i>2001 GM 4.3L</i>	16 g/kW-hr	12 g/bkhp - hr				
<i>2002 Mazda 2.0L & 2.2L</i>	4 g/kW-hr	3 g/bkhp - hr		2002	16 g/kW-hr	12 g/bkhp - hr
<i>2002 GM 3.0L non compliant engine</i>	16 g/kW-hr	12 g/bkhp - hr				
<i>2002 GM 3.0L compliant engine (must verify engine tag)</i>	4 g/kW-hr	3 g/bkhp - hr				
<i>2002 GM 4.3L</i>	16 g/kW-hr	12 g/bkhp - hr		2003	16 g/kW-hr	12 g/bkhp - hr
<i>2003 ALL</i>	4 g/kW-hr	3 g/bkhp - hr				
2004 - 2006 - all LP units	4 g/kW-hr	3 g/bkhp - hr		2004-2006	4 g/kW-hr	3 g/bkhp - hr
2007 - 2008						
<i>2007 - Mazda 2.0 and 2.2L</i>	1.3 g/kW-hr	1 g/bkhp - hr		2007 - 2008 ***	2.7 g/kW-hr	2 g/bkhp - hr
<i>2007 - GM 2.4L</i>	.8 g/kW-hr	.6 g/bkhp - hr				
<i>2007 - GM 4.3L V-6</i>	2.7 g/kW-hr	2.0 g/bkhp - hr				
				*** (Must look at engine label and use actual certified engine emission standard listed)		

Note: A CARB certified retrofit emission kit can only be installed on units originally delivered with a uncontrolled engine (no emission system)

Note: If certified standard is listed on engine tag as g/kWh-hr you must divide by 1.34 to convert to g/bkhp-hr

Note: If certified standard is listed on engine tag as g/bkhp-hr you must multiply by 1.34 to convert to g/kW-hr