

6.8 L V10 [\[edit \]](#)

The 6.8 L; 412.5 cu in (6,760 cc) SOHC **V10** is another variation of the Modular family created for use in large trucks. Bore and stroke size is 3.552 in × 4.165 in (90.2 mm × 105.8 mm), identical to the 5.4 L V8. Both 2-valve and 3-valve versions have been produced. The 6.8 L uses a split-pin crank with 72° firing intervals and a [balance shaft](#) to quell vibrations inherent to a 90° bank angle V10 engine. The engine's firing order is 1-6-5-10-2-7-3-8-4-9. The 2-valve version was first introduced in 1997, with a 3-valve non-VCT version to follow in 2005. The 3-valve engines were built alongside the 2-valve engines at Ford's [Windsor, Ontario](#) LVL (low volume line) engine line, but moved production to the larger Windsor Engine Plant in 2009.^[*citation needed*]

Vehicles equipped with the 6.8 L V10 Modular engine include the following:

2-valve [\[edit \]](#)

Vehicle Name	Production Years	Engine Output	Notes
Ford E250-E450 F53 Motorhome	1997–2004	305 hp (227 kW) 420 lb·ft (569 N·m)	<i>ratings for 2000 and later model years</i>
Ford F250-F550 F53 Motorhome	1999–2004	310 hp (231 kW) 425 lb·ft (576 N·m)	<i>ratings for 2000 and later model years</i>
Ford Excursion	2000-2005	310 hp (231 kW) 425 lb·ft (576 N·m)	<i>ratings for 2000 and later model years</i>
Ford E350 & E450	2014- Current	305 hp (227 kW) 420 lb·ft (569 N·m)	E350 and E450 available only as chassis cab and cutaway after 2015 ^{[53]}

^[54] ^[55]

3-valve [\[edit \]](#)

Vehicle Name	Production Years	Engine Output	Notes
Ford Super Duty	2005-2010	362 hp (270 kW) 457 lb·ft (620 N·m)	
F450-F550 Chassis Cab	2005–present	288 hp (215 kW) 424 lb·ft (575 N·m) ^{[56]}	
F53, F59 stripped chassis	2005–present	320 hp (239 kW) 460 lb·ft (624 N·m) ^{[57]}	
Ford F-650/F-750 Super Duty	2012–present	320 hp (239 kW) 460 lb·ft (624 N·m) ^{[58]}	
Blue Bird Vision	2010–present	362 hp (270 kW) 457 lb·ft (620 N·m)	Equipped to run on propane