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Mercedes To Launch C200 CGI BlueEFFICIENCY



Mercedes-Benz will launch the next-generation of direct injection petrol engines on the 13th of this month. This new technology CGI engine use sophisticated petrol direct-injection engine with spray guided combustion process. CGI engines use sophisticated piezo-injectors. The main advantage lies in the stratified operating mode from which it takes its name. In this mode the engine is run with high excess air and thus excellent fuel efficiency. Now, thanks to multiple injection, it is for the first time possible to extend this lean-burn operating mode to higher rpm and load ranges too. During each power stroke, a series of injections takes place, spaced just fractions of a second apart. This has the effect of significantly improving mixture formation, combustion and fuel consumption. The power plant at work under the bonnet of the C200 CGI BlueEFFICIENCY sedan is a newly developed four-cylinder direct-injection unit with 186 hp and a five-speed automatic transmission as standard. This engine makes do with 11.74 kmpl. CO2 emissions are 201 grams per km. This is some 7 % less than the figure for the previous four-cylinder Kompressor engine technology (178 hp) with conventional fuel injection. The C200 CGI will only be available in the Avantgarde variant and will be priced at Rs 34.61 lakh (on-road, Mumbai). The company will also launch the 250 CDI V6 motor (it also powers the E250) in the C-Class in July.

	C 200 Kompressor	C200 CGI	Difference
Engine	Petrol	Petrol	
Displacement (cc)	1796	1796	
Output (kW / hp @ rpm)	131 / 178 @ 5600	137 / 186 @ 5600	+ 4.5%
Torque (Nm @ rpm)	240 @ 3500 - 4500	285 @ 2400 - 4000	
Permissible Gross Weight	1990	2010	+1%
Kerb Weight	1505	1540	+2%
Kw to weight ratio	87.04	88.96	+ 2%
hp to weight ratio	118.27	120.78	+ 2%
Torque to weight ratio	159.47	185.06	+16%
CO2 emmissions	215.43	201.32	- 7%

(grams/kms)*			
mileage (km/ltr)*	10.96	11.74	+7%
* As per ARAI			

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