

DETROIT[®] DD13[®] GEN5

VOCATIONAL TECHNICAL SPECS

BUILT FROM A FAMILY OF POWERFUL HEAVY-DUTY ENGINES, THE DD13[®] GEN 5 TOUTS UNMATCHED VERSATILITY AND STRENGTH. FROM CUTTING-EDGE DIESEL ENGINE TECHNOLOGY TO EXPERT ENGINEERING AND MORE, THE DD13 GEN 5 IS AN ENGINE YOU CAN COUNT ON – NO MATTER WHAT THE JOB.

KEY VOCATIONAL BENEFITS INCLUDE:

IMPROVED FUEL ECONOMY.

Complete with a swirl piston design, ultra-high compression ratios and a new, 10-pin injector, the DD13 Gen 5 creates better combustion, reduces ash production and improves fuel economy up to 4%. In addition, the DD13 Gen 5 meets Greenhouse Gas Emission Standards for 2021.

POWER TO MOVE PAYLOADS QUICKLY.

New turbochargers allow for rapid torque performance. This helps move payloads quickly, without compromising efficiency.

LESS MAINTENANCE. MORE UPTIME.

With a single, large diesel particulate filter (DPF) and asymmetric cell technology, the new Detroit[®] aftertreatment system extends service intervals by more than 16%.

FEWER REGENS.

Improved thermal management systems such as Asymmetric Injection and Auto-Elevate ensure optimal temperatures, extend idles and allow for low-load PTO operation for fewer regens.

MAXIMUM VERSATILITY.

Thanks to new power ratings, greater application coverage and power takeoffs, available in the front and rear engine, the DD13 Gen 5 is suited for a variety of jobs.

PROVEN RELIABILITY.

With expertly engineered improvements such as cooling system optimization and block and oil system enhancements, the DD13 Gen 5 is more reliable than ever before.

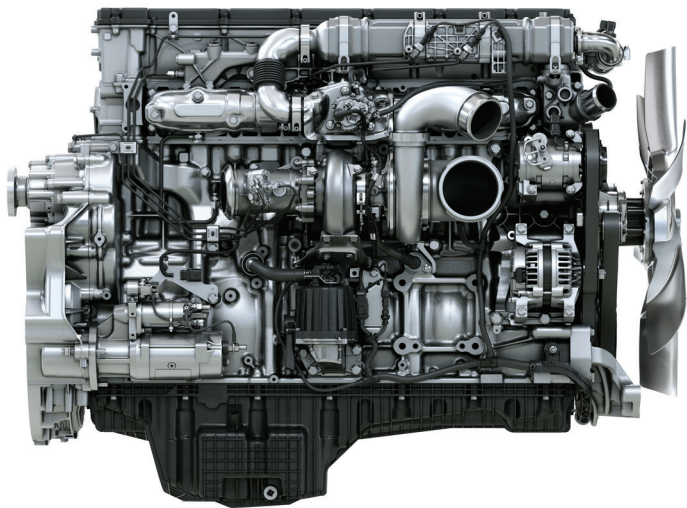
TRUSTED SERVICE TO TAKE YOU FURTHER.

The #1-rated Detroit service network, when paired with the Detroit Connect Virtual Technician[®] remote diagnostic system and increased down speeding with IDP ratings, makes it easier to maximize uptime.

DD13 GEN 5 VOCATIONAL SPECIFICATIONS

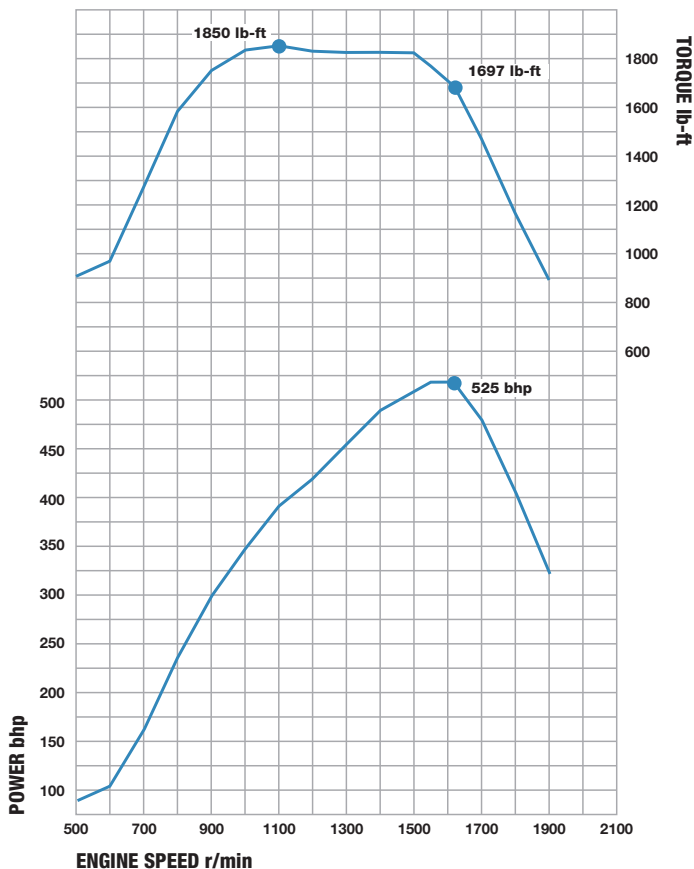
Configuration	Inline 6 Cylinder
Displacement	782 CU IN (12.8 L)
Compression Ratio	20.3:1
Bore	5.20 in (132 mm)
Stroke	6.15 in (156 mm)
Weight (Dry)	2487 lb (1128 kg)
Electronics	DDEC [®]
Service Fill (Oil & Filter Change)	40 qt (38 L)
Horsepower Range	370-525
Torque Range	1250-1850 LB-FT
PTO Availability	FEPTO & REPTO





DD13 GEN 5 PERFORMANCE CURVE

525 bhp / 1850 lb-ft



DAIMLER TRUCK | Detroit - A Daimler Group Brand
North America

DETROIT CONNECT[®]

Detroit Connect provides fleets and owner-operators services and tools to improve uptime, fuel efficiency, safety, and performance. A suite of proprietary vehicle solutions, this technology helps you better manage daily business operations.

Maintenance Intervals*

Item	Mi/Km/Hr†	Severe Duty	Short-Haul	Long-Haul	Efficient Long-Haul
Engine Oil and Filter Change**	Miles	35,000	40,000	55,000	65,000
	Kilometers	56,000	64,000	89,000	105,000
	Hours	750	1,000	-	-
Fuel Filter Change	Miles	35,000	40,000	55,000	65,000
	Kilometers	56,000	64,000	89,000	105,000
	Hours	750	1,000	-	-
Valve Lash Adjustment	Miles	Adjust at 100,000, at 500,000 and then every 500,000 thereafter			
	Kilometers	Adjust at 160,000, at 800,000 and then every 800,000 thereafter			
Diesel Particulate Filter	A check engine light will illuminate when ash requires removal				
	Miles	455,000	465,000 to 540,000	550,000 to 630,000	>640,000
	Kilometers	732,252	748,345 to 869,046	885,139 to 1,013,887	>1,029,980
	Hours	10,000	10,000 - 12,000	12,000 - 14,000	>14,000
DEF Pump Filter	Replace filter every 3 years or 500,000 miles (800,000 km), whichever comes first				

* Maintenance intervals using Detroit[®] Fluids Specification 93K222 (CK-4) or 93K223 (FA-4) Approved Oils
 ** Recommended based on using Detroit's lube oil and oil analysis program.
 Severe duty is up to 30,000 annual miles (48,000 kilometers) and a vehicle that averages less than 5 miles per gallon (mpg). Short-haul is between 30,000 and 60,000 annual miles (48,000-96,000 kilometers) and a vehicle that averages between 5.1 and 5.9 mpg. Long-haul is over 60,000 annual miles (96,000 kilometers) and a vehicle that averages between 6.0 and 6.9 mpg. Efficient long-haul is over 60,000 annual miles (96,000 kilometers) and a vehicle that averages greater than 7 mpg.
 † Miles/Kilometers or Hours, whichever occurs first.

Standard Warranty

Item	Warranty Limits (Whichever Occurs First)		Repair Charge (Paid by Owner)	
	Months	Miles / Kilometers	Parts	Labor
Engine	0-24	Unlimited	No charge	No charge
Injectors	0-24	200,000 mi 320,000 km	No charge	No charge
Upon expiration of the 24-month warranty coverage, but within 500,000 mi / 800,000 km of use, the warranty continues to apply as follows:				
Major Components	25-60	500,000 mi 800,000 km	No charge	Not covered

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