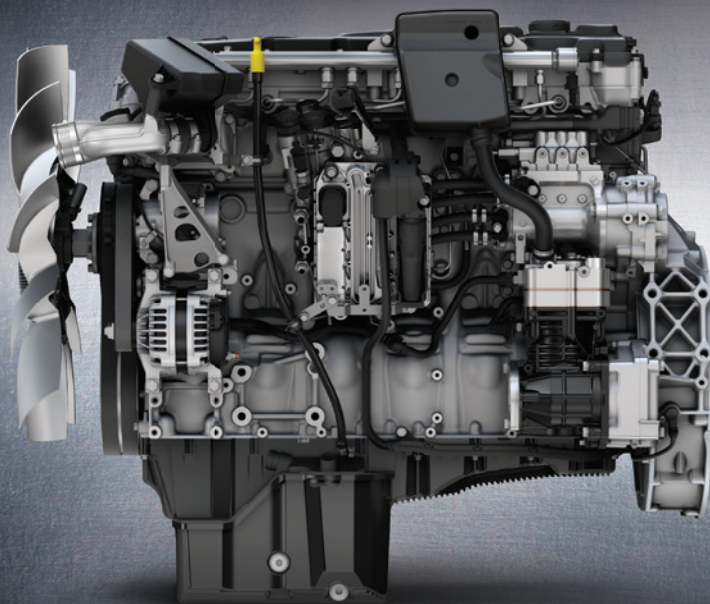




DETROITTM DD8TM

TECHNICAL SPECIFICATIONS

THE DETROIT DD8 ENGINE THE MOST ADVANCED ENGINE TECHNOLOGIES ENGINEERED TODAY.

The latest addition to our new lineup of medium-duty engines provides the versatility you demand along with the efficiency and durability you've come to expect from Detroit.

PERFORMANCE

- Simple fixed-geometry turbo design provides performance and reliability
- Robust design for an impressive B10 life of 400,000 miles
- Integrated engine brake option provides superior braking horsepower to extend service brake life
- Rear Engine Power Take-Off (REPTO) and Front Engine Power Take-Off (FEPTO) capability provide the flexibility needed for a variety of vocational applications
- Sturdy rear gear train and ribbed cast-iron block minimize noise vibration harshness (NVH)

POWER

- Usable power and torque reached at lower engine speeds—ideal for the demands of today's medium-duty truck

COMPLIANCE

- The DD8 is compliant with 2017 Greenhouse Gas (GHG17) requirements
- 2016 On-Board Diagnostics (OBD) certified

ECONOMY

- Smart, fuel-efficient design makes the most of every gallon
 - Advanced common rail fuel system optimizes each injection event to minimize fuel consumption
 - Piston and cylinder design reduces friction and provides optimal combustion control
 - Variable cam phasing technology for improved aftertreatment system performance
 - Variable-speed fan and advanced cooling reduce fan on time, contributing to reduced fuel consumption

SERVICEABILITY

- Longest scheduled maintenance intervals in its class
- Oil and fuel filters are positioned above the frame rails for easier, faster, and cleaner filter changes
- Maintenance-free crankcase breather
- DetroitTM Connect Virtual TechnicianSM remote diagnostic service helps you maximize uptime and productivity

DD8 SPECIFICATIONS

Configuration	Inline 6 Cylinder
Displacement	470 cu. in. (7.7 L)
Compression Ratio	17.6:1
Bore	4.33 in. (110 mm)
Stroke	5.3 in. (135 mm)
Weight (Dry)	1437 lb. (652 kg.)
Electronics	DDEC®
Service Fill (Oil & Filter Change) ..	26.9 qt. (25.5 L)
Horsepower Range	260-375*
Torque Range	660-1050

*375 HP Fire & Emergency and RV only.



Maintenance Intervals

Item	Mi / km / Hr†	Severe Duty	Short-Haul	Long-Haul
Engine Oil and Filter Change*	Miles	45,000	55,000	60,000
	Kilometers	72,000	88,000	96,000
	Hours	1500	1800	2000
	Months	12	18	—
Fuel Filter Change	Miles	45,000	55,000	60,000
	Kilometers	72,000	88,000	96,000
	Hours	1500	1800	2000
	Months	12	18	—
Valve Lash Adjustment	Miles	90,000	110,000	120,000
	Kilometers	145,000	177,000	193,900
	Hours	3000	3600	4000
	Months	24	36	—
Diesel Particulate Filter	A check-engine light will illuminate when ash requires removal. Normal DPF ash clean interval is every:			
	Miles	150,000		
	Kilometers	241,000		
	Hours	5000		
DEF Pump Filter	Replace every 3 years or 500,000 miles (805,000 km) (10,000 hrs.)			

* Maintenance intervals using Detroit Fluids Specification 93K222 (CK-4) or 93K223 (FA-4) approved oils. Severe duty averages less than 6.5 miles per gallon (mpg) and operates under severe conditions. Short-haul is up to 60,000 annual miles (96,000 kilometers) and averages between 6.5 and 8.5 mpg. Long-haul is over 60,000 annual miles (96,000 kilometers) and averages greater than 8.5 mpg.

† Miles/Kilometers or time, whichever occurs first.

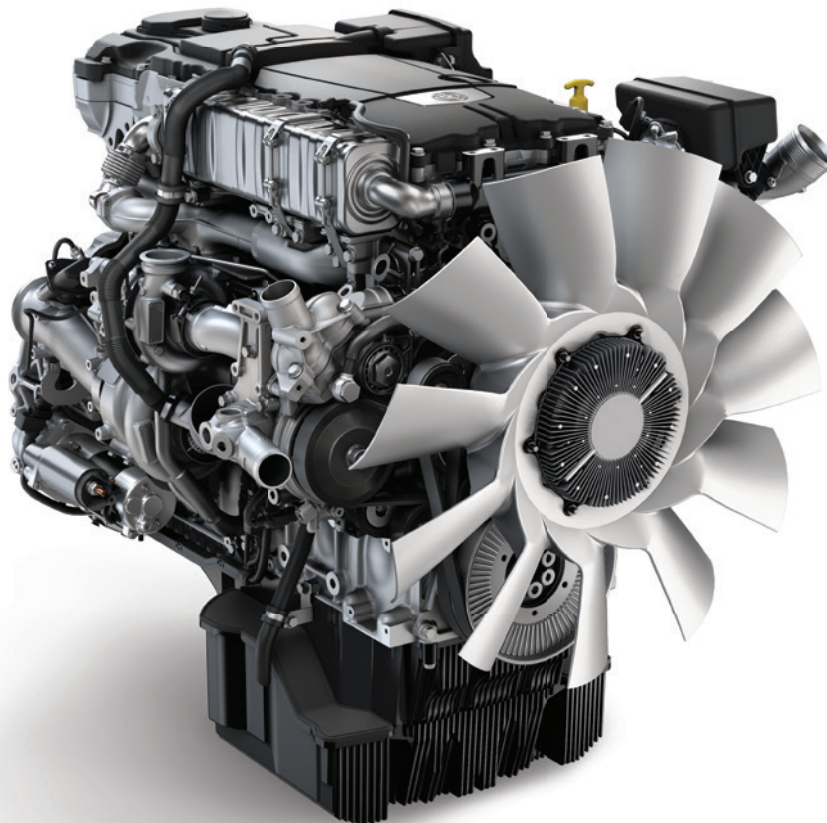
Power Ratings

DD8 Engine Power Ratings	
260 HP @ 2200 RPM	660 lb-ft @ 1400 RPM
260 HP @ 2200 RPM	720 lb-ft @ 1400 RPM
280 HP @ 2200 RPM	800 lb-ft @ 1400 RPM
300 HP @ 2200 RPM	860 lb-ft @ 1400 RPM
330 HP @ 2200 RPM	1000 lb-ft @ 1400 RPM
350 HP @ 2200 RPM	1050 lb-ft @ 1400 RPM
375 HP* @ 2200 RPM	1050 lb-ft* @ 1400 RPM

*Fire & Emergency and RV only.

Standard Warranty

Item	Warranty Limits (Whichever Occurs First)		Repair Charge (Paid by Owner)	
	Months	Miles / Kilometers	Parts	Labor
Engine	0-36	250,000 mi 400,000 km	No charge	No charge



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