



Fuel-efficient design delivers bottom-line benefits.

Designed specifically for Less-Than-Truckload, Regional Distribution, and Vocational applications, the DD13™ engine with BlueTec® emissions technology delivers a smooth, quiet ride and up to 5% better fuel economy.*

Demand Economy

- Smart, fuel-efficient design makes the most of every gallon
 - Get up to 5% better fuel economy*
 - Pulls strong down to 1100 RPM so drivers can spend more time in top gear
 - Amplified Common Rail System (ACRS™) optimizes each injection event to minimize fuel consumption
 - Advanced cooling system allows for decreased fan on time minimizing fuel consumption

Demand Serviceability

- Lower your cost of ownership with easier serviceability
 - Longest scheduled maintenance intervals in its class
 - Oil, coolant and fuel filters are positioned above the frame rails for easier, faster and cleaner filter changes
 - Maintenance-free crankcase breather

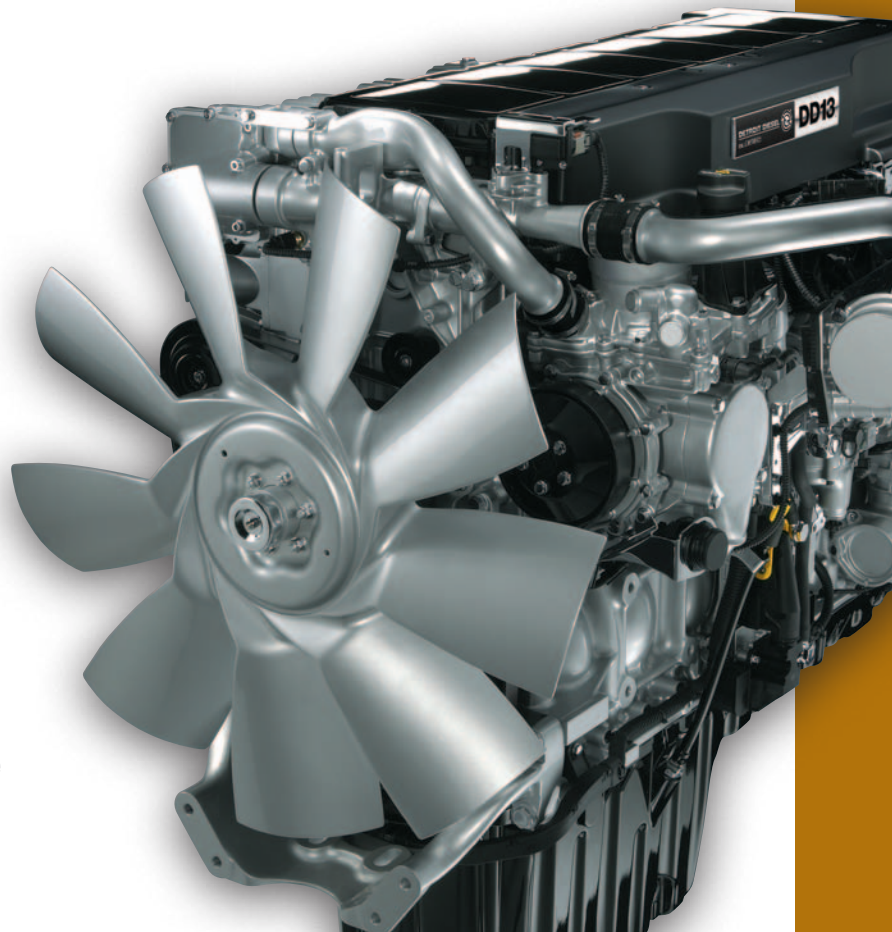
Demand Performance

- Meet your deadline every time
 - Enjoy less shifting with an extremely wide and flat torque curve
 - Three-stage integrated Jacobs® engine brake offers quieter engine braking and provides superior braking horsepower for extended service brake life
 - Overall robust design provides B50 life of 1 million miles
 - Sturdy rear gear train and ribbed cast iron block minimize noise vibration harshness (NVH)
 - Wastegated asymmetrical turbocharger has fewer moving parts (compared with VGT design) for proven performance

Demand BlueTec® Emissions Technology

- Proven BlueTec emissions technology meets EPA 2010 emissions requirements at the tailpipe
- Improves engine performance and fuel economy
- Simple to use, economical to own and time-tested experience
- Available with 1-Box™ emissions package

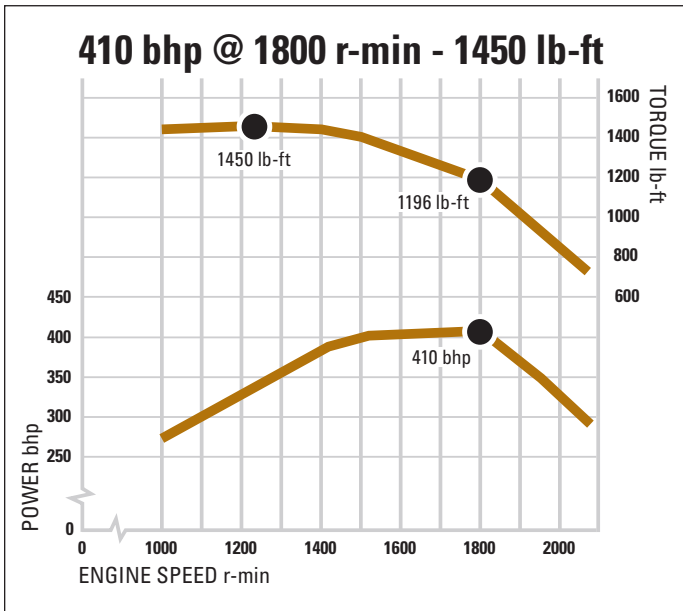
*Compared to the DD13 EPA 2007 engine with comparable engine ratings and load weights.



DD13 SPECIFICATIONS

Configuration	Inline 6 Cylinder
Displacement	781 cu. in. (12.8 L)
Compression Ratio	17.3:1
Bore	5.20 in. (132 mm)
Stroke	6.15 in. (156 mm)
Weight (Dry)	2540 lb. (1152 kg)
Electronics	DDEC® 10
Oil Capacity	39.5 L
Horsepower Range	350-470
Torque Range	1250-1650
Rear-Engine Power Take-Off	Optional

Horsepower and Torque Curve



Power Ratings

DD13 Engine Power Ratings	
370 HP @ 1800 RPM	1250 lb-ft @ 1100 RPM
350 HP @ 1800 RPM	1350 lb-ft @ 1100 RPM
380 HP @ 1800 RPM	1350 lb-ft @ 1100 RPM
380 HP @ 1800 RPM	1450 lb-ft @ 1100 RPM
410 HP @ 1800 RPM	1450 lb-ft @ 1100 RPM
410 HP @ 1800 RPM	1550 lb-ft @ 1100 RPM
435 HP @ 1800 RPM	1550 lb-ft @ 1100 RPM
450 HP @ 1800 RPM	1550 lb-ft @ 1100 RPM
410 HP @ 1800 RPM	1650 lb-ft @ 1100 RPM
450 HP @ 1800 RPM	1650 lb-ft @ 1100 RPM
470 HP @ 1800 RPM	1650 lb-ft @ 1100 RPM

DD13 Engine Multi-Torque Power Ratings	
380 HP @ 1800 RPM	1350/1550 lb-ft @ 1100 RPM
410 HP @ 1800 RPM	1450/1650 lb-ft @ 1100 RPM

Maintenance Intervals

Item	Mi/Hr†	Severe-Duty	Short-Haul	Long-Haul
Engine Oil and Filter Change*	Miles	25,000	35,000	50,000
	Hours	640	895	1,280
Fuel Filter Change	Miles	25,000	35,000	50,000
	Hours	640	895	1,280
Valve Lash Adjustment	Miles	Adjust at 100,000, at 500,000 and then every 500,000 thereafter.		
	Hours	Adjust at 2,565, at 12,825 and then every 12,825 thereafter.		
Diesel Particulate Filter	Miles	A "check engine light" will illuminate when ash requires removal. Normal DPF ash cleaning intervals are 300,000 to 400,000 miles.		
	Hours	A "check engine light" will illuminate when ash requires removal. Normal DPF ash cleaning intervals are 9,000 to 10,250 hours.		
DEF Pump Filter	Miles	150,000	175,000	250,000
	Hours	3,840	4,475	6,400

* Based on using Detroit Diesel's lube oil and oil analysis program. Severe-duty is up to 30,000 annual miles and a vehicle that averages less than 5 miles per gallon (mpg). Short-haul is between 30,000 and 60,000 annual miles and a vehicle that averages between 5.1 and 5.9 mpg. Long-haul is over 60,000 annual miles and a vehicle that averages greater than 6 mpg.

† Miles/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



For more information, call 1-800-445-1980. www.DetroitDiesel.com

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