

DETROIT[™] DD15[®]

TECHNICAL SPECIFICATIONS

THE DETROIT[™] DD15[®] ENGINE TAKES INNOVATION TO A WHOLE NEW LEVEL.

This impressive engine delivers incredible torque response and power, increased fuel economy, extremely wide torque range, extended maintenance intervals and a smoother, cleaner ride.

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 1.2 million miles
 - Sturdy rear gear train and ribbed cast iron block minimize noise vibration harshness (NVH)

ECONOMY

- 2nd Generation Amplified Common Rail System (ACRS[™]) optimizes each injection event to minimize fuel consumption
- Proven asymmetric turbocharger — now built in Detroit - is optimally matched to updated Exhaust Gas Recirculation (EGR) system for improved efficiency
- Advanced cooling system with variable speed water pump reduces load on the engine minimizing fuel consumption

POWER

- Pulls strong down below 1000 RPM
- Ultra-wide flat torque curve for less shifting
- Usable power and torque reached at lower engine speeds improving vehicle startability

SERVICEABILITY

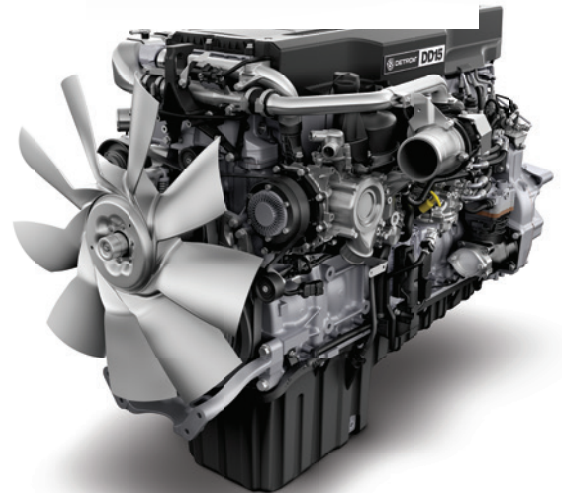
- Longest scheduled maintenance intervals in its class
- Oil and fuel filters are positioned above the frame rails for easier, faster and cleaner filter changes
- Maintenance-free crankcase breather
- Detroit Connect Virtual Technician[™] integrated remote diagnostic system helps you maximize uptime

COMPLIANCE

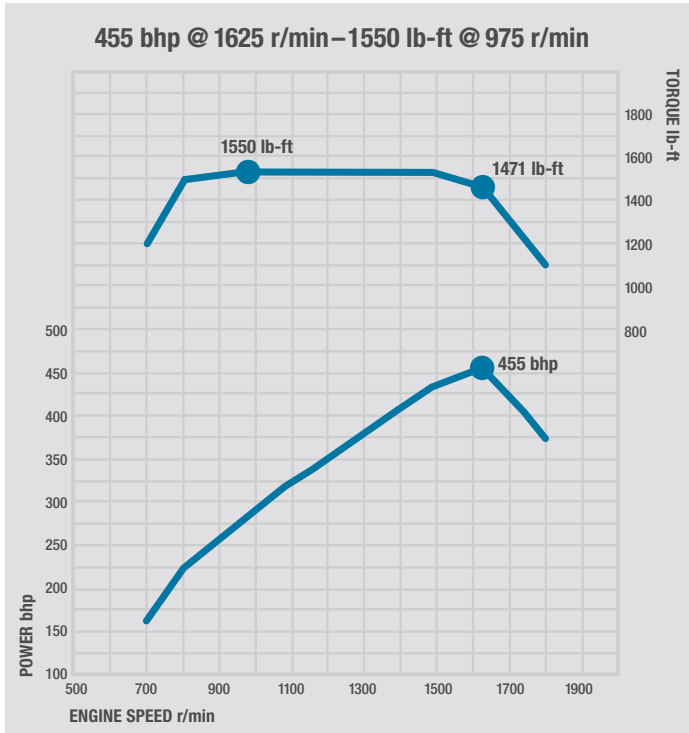
- The DD15 is compliant with 2017 Greenhouse Gas (GHG17) requirements

DD15 SPECIFICATIONS

Configuration	.....	Inline 6 Cylinder
Displacement	.....	906 cu in (14.8 L)
Compression Ratio	.....	18.5:1
Bore	.....	5.47 in (139 mm)
Stroke	.....	6.42 in (163 mm)
Weight (Dry)	.....	2718 lb (1233 kg)
Electronics	.....	DDEC [®]
Service Fill (Oil & Filter Change)	..	45 qt (43 L)
Horsepower Range	.....	455-505
Torque Range	.....	1550-1750



Horsepower and Torque Curve



Maintenance Intervals

Item	Mi / km / Hr†	Severe Duty	Short-Haul	Long-Haul
Engine Oil and Filter Change*	Miles	25,000	35,000	50,000
	Kilometers	40,000	55,000	80,000
	Hours	640	895	1,280
Fuel Filter Change	Miles	25,000	35,000	50,000
	Kilometers	40,000	55,000	80,000
	Hours	640	895	1,280
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	390,000	400,000 to 500,000	500,000 to 550,000
	Kilometers	627,000	640,000 to 800,000	800,000 to 880,000
	Hours	10,000	10,250 to 11,000	11,000 to 11,500
DEF Pump Filter	Replace filter every 3 years or 500,000 (800,000 km) miles, whichever comes first.			

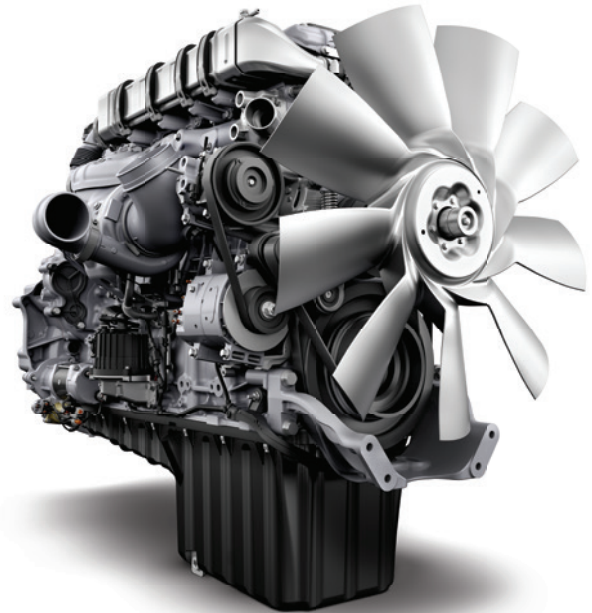
* Recommended based on using Detroit's lube oil and oil analysis program.
 Severe duty is up to 30,000 annual miles and a vehicle that averages less than 5 miles per gallon (mpg).
 Short-haul is between 30,000 and 60,000 annual miles and a vehicle that averages between 5.1 and 5.9 mpg.
 Long-haul is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

Power Ratings

DD15 Engine Power Ratings	
455 HP @ 1625 RPM	1550 lb-ft @ 975 RPM
455 HP @ 1625 RPM	1650 lb-ft @ 975 RPM
475 HP @ 1625 RPM	1650 lb-ft @ 975 RPM
505 HP @ 1625 RPM	1650 lb-ft @ 975 RPM
505 HP @ 1625 RPM	1750 lb-ft @ 975 RPM
DD15 Engine Cruise Power Ratings	
475/505 HP @ 1625 RPM	1650 lb-ft @ 975 RPM
DD15 Engine Multi-Torque Power Ratings	
455 HP @ 1625 RPM	1550/1750 lb-ft @ 975 RPM

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



1-800-445-1980 • DEMANDDETROIT.COM

