

PURPOSE-BUILT POWER UP TO 300 HORSES

The MaxxForce® 7 is an established V8 turbo diesel specifically designed to meet the needs of medium-duty commercial truck users. With its high-pressure common-rail fuel system, dual sequential turbochargers and compacted graphite iron block, you can count on an engine with outstanding power, reliability and fuel economy.

Horsepower (bhp @2600 rpm)	Torque Peak (lb.-ft.)	Gov. Speed (rpm)	Clutch Engagement Torque (lb.-ft. @800 rpm)
220	560@1400	2800	350
240	620@1400	2800	350
260	660@1600	2800	350
300	660@1600	2800	350

MAXXFORCE 7

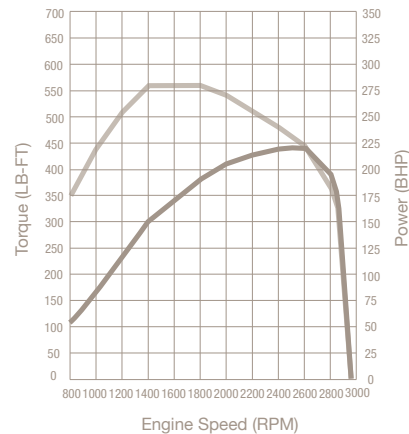
MAXXFORCE® 7 SPECIFICATIONS

The MaxxForce 7 engine offers the following proven advantages:

- ▶ Provides big power in an efficient V8 package, with four rugged ratings offered, from 220 hp and 560 lb.-ft. of torque up to 300 hp and 660 lb.-ft. of torque
- ▶ Improved fuel and air-management systems yield high peak power for impressive acceleration, grade climbing and towing capability
- ▶ The industry's most precise high-pressure piezo injectors deliver up to 5 independent injections per cycle for a quiet engine and exceptional driveability
- ▶ A compacted graphite iron engine block means high strength without added weight
- ▶ Reduced electrical connections mean more uptime and faster service turnarounds
- ▶ Unaided cold-starting performance down to -20°F assures reliable operation with every turn of the key
- ▶ A high-pressure common-rail fuel system and advanced fuel and air-management systems provide outstanding fuel economy, especially in city cycle conditions
- ▶ A larger displacement fuel pump, combined with higher fuel pressure, optimizes combustion for more efficient power generation

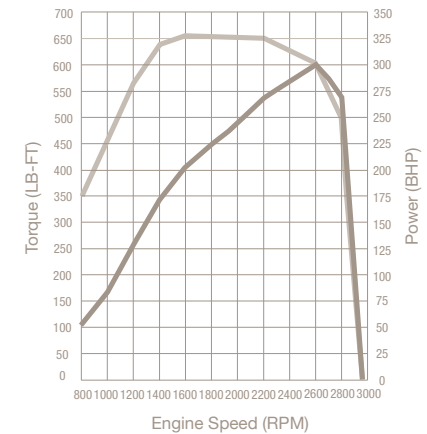
PEAK TORQUE AT LOWER RPM

220 HP / 560 lb.-ft.



PEAK TORQUE AT LOWER RPM

300 HP / 660 lb.-ft.



With up to 300 hp and 660 lb.-ft of torque, the MaxxForce® 7 is purpose-built for medium-duty applications in the International® DuraStar® and TerraStar.™

Configuration	V-8
Displacement	6.4 L (389 cu. in.)
Bore & Stroke	3.87 in. & 4.13 in. (9.2 cm & 10.5 cm)
Compression Ratio	16:5:1
Power Output	220-300 hp (164-224 kW)
Peak Torque	560-660 lb.-ft. (762-898 Nm)
Aspiration	Dual Sequential Turbochargers
Combustion System	Direct Injection
Dry Engine Weight	1,225 lbs. (556 kg)
B50 Design Life*	500,000 mi. (805,672 km)
Preventative Maintenance Intervals	
Change Engine Oil, Replace Oil Filter	Up to 15,000 mi. (24,140 km) / 500 hours / 1,500 gallons (5,678 L) of fuel
Replace Fuel Filter	30,000 mi. (48,280 km)
Replace Coolant**	300,000 mi. (482,803 km) / 5 years / 12,000 hours
Valve Lash Adjustment	Not Required

*B50 design life is the mileage that 50% of the engine population would exceed without failure requiring removal of the oil pan, cylinder head, front gear train or an in-frame overhaul.

**Add extender @ 150,000 miles (241,400 km) / 2.5 years / 6,000 hours

Note: Specifications and descriptions in this literature are as accurate as known at time of publication, but are subject to change without notice. TAD11011 10/2012 © 2012 Navistar Inc. All rights reserved. All marks are trademarks of their respective owners. Lithographed in the United States of America.