

PURPOSE-BUILT POWER UP TO 300 HORSES

The MaxxForce® 7 is a significantly upgraded V8 turbodiesel 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 a better-performing 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	2900	350
240	620@1400	2900	350
260	660@1600	2900	350
300	660@1600	2900	350

View all available torque curves at MaxxForce.com

MAXXFORCE 7

MAXXFORCE® 7 SPECIFICATIONS

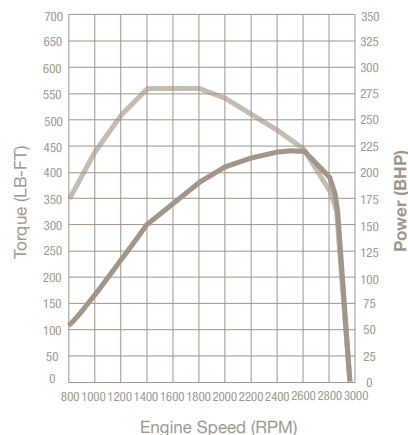
The MaxxForce 7 engine offers the following proven advantages:

- ▶ 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 higher 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 low NVH and exceptional driveability
- ▶ More robust components – starting with the industry's only Class 4-7 high-strength CGI block – and 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, using a proven intake air grid heater
- ▶ A high-pressure common-rail fuel system and advanced fuel and air-management systems provide outstanding fuel economy, especially in city cycle conditions
- ▶ Provides low cost of ownership over its extended service life, with a B50 design life* of 500,000 miles
- ▶ A larger displacement fuel pump, combined with higher fuel pressure, optimizes combustion for more efficient power generation

MaxxForce engines also feature MaxxForce Advanced EGR, the only no-hassle solution to EPA 2010 emissions. It reduces NOx in-cylinder without the use of liquid urea or additional maintenance.

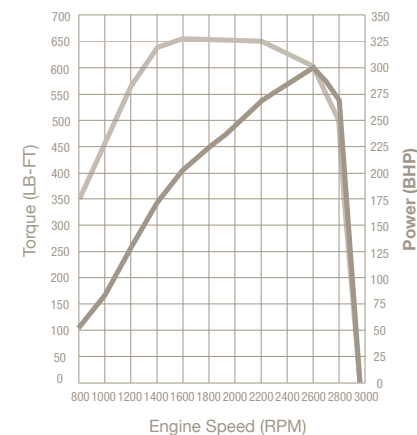
PEAK TORQUE AT LOWER RPM

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	10,000 mi. (16,093 km) / 350 hours / 1,000 gallons (3,785 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
Crankcase Breather	60,000 mi. (96,561 km)

*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 02/2011 © 2011 Navistar Inc. All rights reserved. All marks are trademarks of their respective owners. Lithographed in the United States of America.