



X12™ for emergency vehicles

With over 50,000 Cummins engines in the fire service, we have leveraged our experience to optimize performance, improve reliability and provide unsurpassed support.

PERFORMANCE

- **Weight savings:** Over 500 pounds lighter than other 13L engines
- **Less front axle weight:** Provides greater flexibility in cab designs
- **Better acceleration:** The X12 has more power at higher RPMs, which is optimal for automatic transmissions.
- **Less noise:** Optional air compressor resonator for reduced in cab noise

UPTIME

- **Proven platform:** Over 1-billion miles of real world experience delivering in the most challenging applications in the world
- **Optimized emissions control:** Cummins Single Module™ aftertreatment has exceptional thermal efficiency, resulting in fewer regenerations.
- **Improved reliability:** Improvements to camshaft, crank seal and gear train
- **Less maintenance:** Longer oil change intervals with up to 18 months

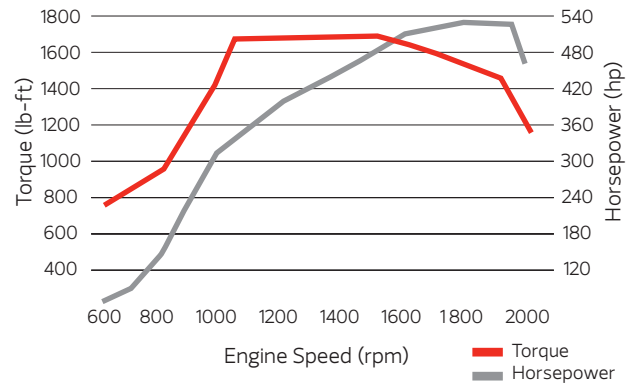


DESIGNED FOR THE FIRE SERVICE

- **Better pump control:** Specific calibrations for the best engine rpm or discharge pressure control when pumping
- **No derates:** Regeneration and emissions related faults do not affect power output when you need it.
- **One source for service:** Your local distributor supports both Cummins engines and Onan® generators.

SUPPORT

- **Cummins on every corner:** Over 3,700 authorized locations across North America to support parts and service needs
- **Peace of mind:** Base warranty backed by Cummins for a full 5 years/100,000 miles, whichever comes first. Up to eight years of optional full-engine coverage, including injectors.
- **Cummins Guidanz™ and INLINE™ Mini:** Read real-time engine data and email fault information from your smartphone to make operational decisions.
- **QuickServe™ Online Mobile:** Provides complete parts and service information based on specific ESNs with the same information contained at quickserve.cummins.com
- **Connected Diagnostics™:** For telematics equipped vehicles, system can provide operational guidance if a fault occurs.
- **Easier maintenance:** The compact design of the X12, together with easy service points for scheduled maintenance, increases uptime.
- **Get the latest:** Need more information about the Cummins X12 engine or Cummins Onan generators? Visit cummins.com/engines/fire-and-emergency.



X12 RATINGS

Engine model	Advertised HP (kW) @ RPM	Peak torque LB-FT (N·M) @ RPM
X12 525	525 (391) @ 1,900	1,695 (2298) @ 1,000
X12 500	500 (373) @ 1,900	1,700 (2305) @ 1,000
X12 455	455 (339) @ 1,900	1,700 (2305) @ 1,000

X12 MAINTENANCE INTERVALS

Maintenance item	Interval
Oil and filter	1,500 hours/18 months
Fuel filter	1,500 hours/12 months
Crankcase breather filter	Maintenance free
Valve lash check	6,750 hours

*Intervals above reflect typical usage, extended maintenance intervals may be available, please check QuickServe Online. Consult your chassis and engine owner's manuals for more information.

X12 SPECIFICATIONS

Configuration	Inline 6
Displacement	720 cu in/11.8 L
Lube oil capacity	42 qt/39.8 L
Biodiesel compatibility	Up to B20
Engine braking horsepower	Up to 391 hp @ 2000 rpm
Idle speed	600-800 rpm
Governed speed	2,000 rpm
Engine weight (dry)	2,050 lb/930 kg
Aftertreatment weight**	173-191 lb/78-87 kg

**Depending on configuration



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Bulletin 5544126 Produced in U.S.A. Rev. 3/25
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