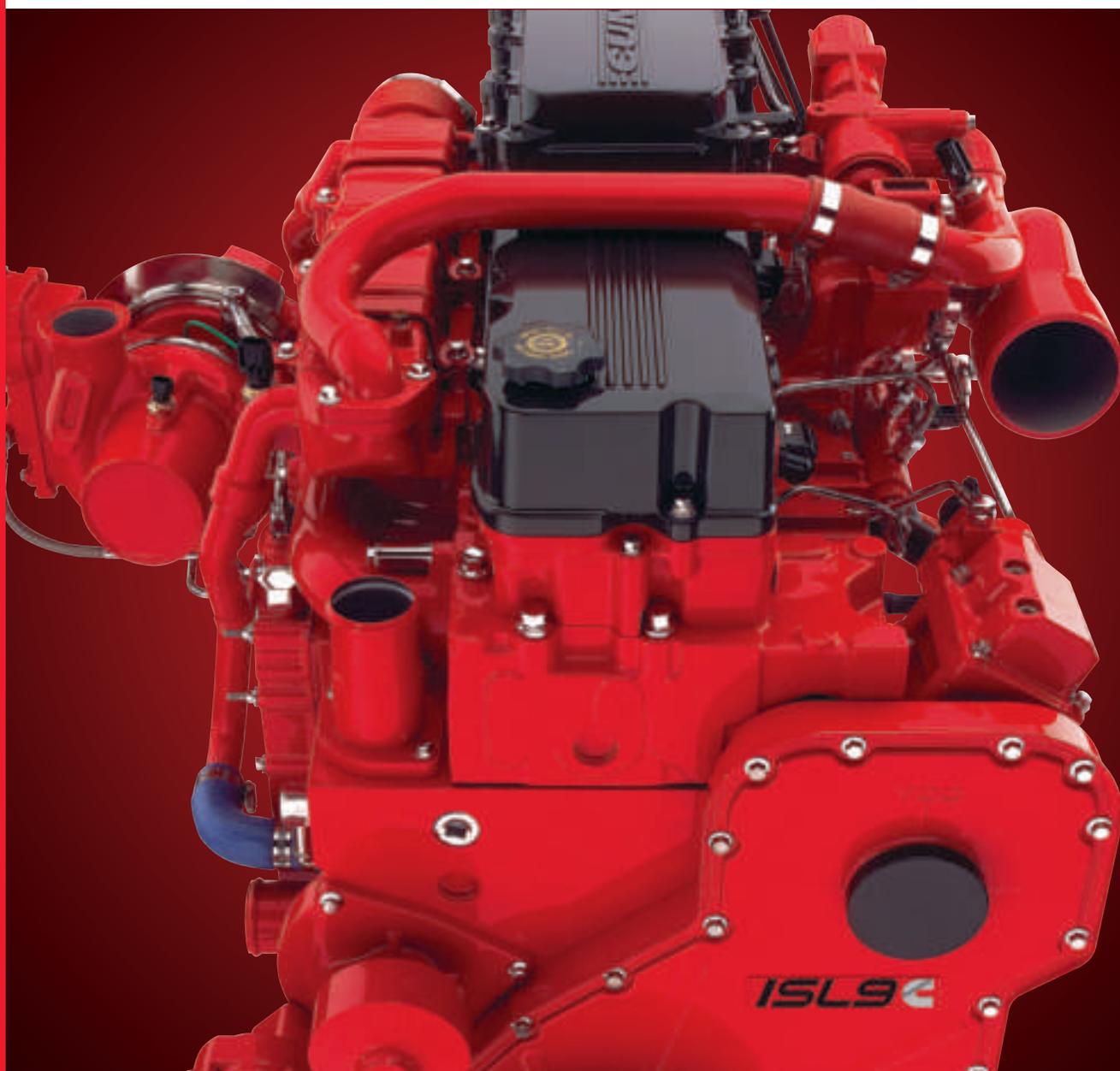




# Every™ Advantage.

Cummins ISL9 400 For RV Applications.



# ISL9 400. Clearly Better in Every™ Way.

The bigger and more luxurious the motorhome, the more reason you have to spec a Cummins diesel engine. The ISL9 delivers everything you expect – power, reliability, efficiency and durability – every mile of every trip. With a peak torque of 1250 lb-ft (1695 N•M), it has the power to climb steep grades with ease. Even while towing a vehicle.

Reliability of the ISL9 is enhanced with our proprietary XPI fuel system, designed and manufactured by Cummins. The XPI fuel system is capable of the highest injection pressures in the industry. This, together with a more robust Electronic Control Module (ECM), enables multiple injection events for cleaner, quieter and more complete combustion. The XPI is the same fuel system long-haul truckers use in their Cummins ISX15 engines – so you know it's got to be dependable.

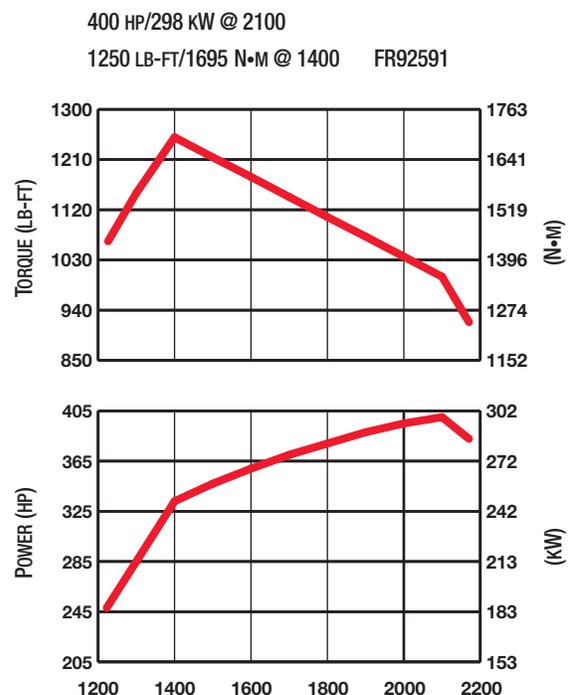
We've taken our fully integrated engine and exhaust system and added Selective Catalytic Reduction (SCR) as part of the aftertreatment. SCR utilizes Diesel Exhaust Fluid (DEF) to achieve near-zero emissions. Removing NOx in the exhaust system has allowed us to optimize the amount of exhaust gas being recirculated and recalibrate the ISL9 for better performance and better fuel economy.

The combination of SCR, XPI fuel injection and the total integration of all elements controlled under a single ECM results in better fuel economy versus an EPA 2007 ISL. And when you lower the amount of fuel being burned, you're also lowering greenhouse gas emissions.

## ISL9 400 Specifications

Advertised Horsepower	400 HP	298 kW
Peak Torque	1250 LB-FT	1695 N•M
Governed Speed	2200 RPM	
Clutch Engagement Torque	550 LB-FT	746 N•M
Number of Cylinders	6	
Oil System Capacity	7.3 U.S. GALLONS	27.6 LITERS
System Weight	1,895 LB	859 KG
Engine (Dry)	1,695 LB	769 KG
Aftertreatment System*	200 LB	90 KG

\*Increase over standard muffler and does not include chassis OEM-supplied components.



Cummins is a pioneer in product improvement. Thus specifications may change without notice. Illustrations may include optional equipment.



## **A Better Approach to Emissions Control.**

Cummins continues to be the technology leader every step of the way in the challenge to reduce emissions and greenhouse gases.

We understand the critical nature of having an aftertreatment system fully integrated with engine operations. To meet EPA 2010 emission regulations, we are taking our existing Cummins Aftertreatment System with the Cummins Diesel Particulate Filter and adding SCR technology, which utilizes Diesel Exhaust Fluid (DEF).

Adding SCR does more than clean up the exhaust. It enables us to optimize cooled-EGR levels, resulting in stronger performance and better fuel efficiency. Cummins is a world leader in SCR, successfully using this technology since 2005 in over 300,000 vehicles throughout Europe.

DEF is non-toxic, non-flammable and user-friendly. DEF is readily available at major truck stops, automotive supply retailers, service centers and Cummins Filtration distributors and dealers.

Your motorhome will have a DEF tank and a dash lamp to indicate when DEF should be added. In a typical motorhome application, the low level lamp will provide 300-700 miles (483-1127 km) advance notice to the driver; and the tank should only need to be refilled about four times a year.

## **RoadRelay™.**

RoadRelay is an onboard monitoring system that provides the driver with trip information such as mpg, engine fault details and optional anti-theft protection. It lets you travel to destinations with confidence, knowing exactly what is going on inside your engine and vehicle subsystems – from the driver's seat of your motorhome. For additional information, see [roadrelay.cummins.com](http://roadrelay.cummins.com).

## **Coach Care™.**

Coach Care RV Service Centers are the only nationwide bumper-to-bumper service network dedicated to motorhomes. Coach Care facilities are:

- Designed to meet the needs of motorhome owners.
- Cummins distributor locations, fully certified by Cummins and Cummins Onan.
- Certified to work on most motorhome chassis.
- Capable of performing many appliance repairs (most locations).
- Equipped with overnight parking and electrical hookups.
- Located near America's most popular motorhome destinations. Call our 1-800-DIESELS™ (1-800-343-7357) Customer Assistance Center for locations.

For more information, check out the Coach Care section at [funroads.com](http://funroads.com).

### **QuickServe® Online.**

QuickServe Online gives rapid access to parts and service information for nearly 11 million engine serial numbers. Part numbers and diagrams, maintenance information and service bulletins, warranty details and more are available every minute of every day via the Internet.

See [quickserve.cummins.com](http://quickserve.cummins.com).

### **Every Confidence.**

Cummins base engine coverage for ISL9 motorhome engines is backed by a worldwide base warranty of 5 years or 100,000 miles (160,935 km), whichever comes first, including:

- Parts and labor on warrantable failures.
- Towing for the first year.
- Consumables not reusable due to covered failure.

Complete warranty details are provided in Cummins Bulletin 3381340.



### **Extended Coverage.**

A wide variety of extended coverage protection plans are offered, so you can choose the one that best meets your needs. Contact your local Cummins distributor or dealer for additional details.

Complete coverage details are provided in Cummins Bulletin 3381367.

### **Cummins Customer Support.**

#### **Every Hour.**

Our customer care programs for motorhome buyers are unmatched by anyone else in the motorhome industry. Key elements of Cummins customer support include:

- Personalized factory assistance. General product and warranty support, service location assistance and general Cummins information are available by calling our 1-800-DIESELS™ (1-800-343-7357) Customer Assistance Center.
  - Select Option 4 for service location assistance, or log on to [cumminsengines.com](http://cumminsengines.com) and click on the "Service Locator" link in the top bar.
- The largest parts and service network with over 3,500 authorized repair locations throughout the U.S. and Canada.
- Certified motorhome repair locations.
- Accelerated problem diagnosis at every Cummins QuickServe® location.

## ISL9 400 Maintenance Intervals

Maintenance Item	Miles/Kilometers	Hours	Months
Oil and Filter*	20,000 MI	500	12
	32,000 KM		
Primary Fuel Filter**	20,000 MI	500	12
	32,000 KM		
Secondary Fuel Filter	40,000 MI	1,000	12
	64,000 KM		
Coolant Filter	None***	None***	None***
Overhead Adjustment	150,000 MI	5,000	
	241,500 KM		
Standard Coolant Change****	80,000 MI	2,000	24
	128,000 KM		
Coalescing Filter	Every 3rd to 4th Oil Change Interval		
DEF Filter	200,000 MI	6,500	
	320,000 KM		
Particulate Filter Cleaning	200,000 MI	6,500	
	320,000 KM		

\*Assuming normal duty cycle for recreational vehicle applications.

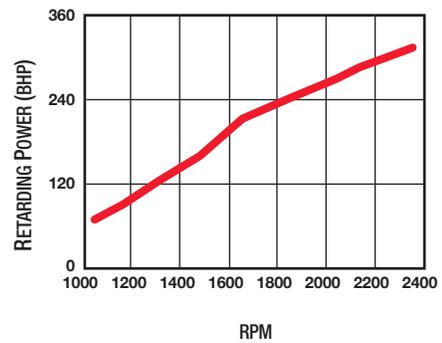
\*\*OEM-supplied; intervals may vary.

\*\*\*If engine is equipped with an optional coolant filter, it will need to be replaced at the same intervals as the oil filter. Regardless if the engine is or is not equipped with a coolant filter, SCA/DCA additive levels must be checked according to the interval listed in the Owners Manual.

\*\*\*\*Extended coolant drain/flush/fill intervals may be followed when certain requirements are met. For more information on these requirements, refer to the Cummins Coolant Requirements and Maintenance Service, Bulletin 3666132.

## Engine Braking Performance.

C Brake™ by Jacobs® is a compression brake designed specifically for the ISL9 that significantly increases stopping power and reduces wear on service brakes.





**Cummins Inc.**  
**Box 3005**  
**Columbus, IN 47202-3005**  
**U.S.A.**

Phone: 1-800-DIESELS (1-800-343-7357)  
Fax: 1-800-232-6393  
Internet: [cumminsengines.com](http://cumminsengines.com)

Bulletin 4971280 Printed in U.S.A. 6/10  
©2010 Cummins Inc.

C Brake is a trademark of Cummins Inc.  
Jacobs is a registered trademark of  
Jacobs Vehicle Systems.