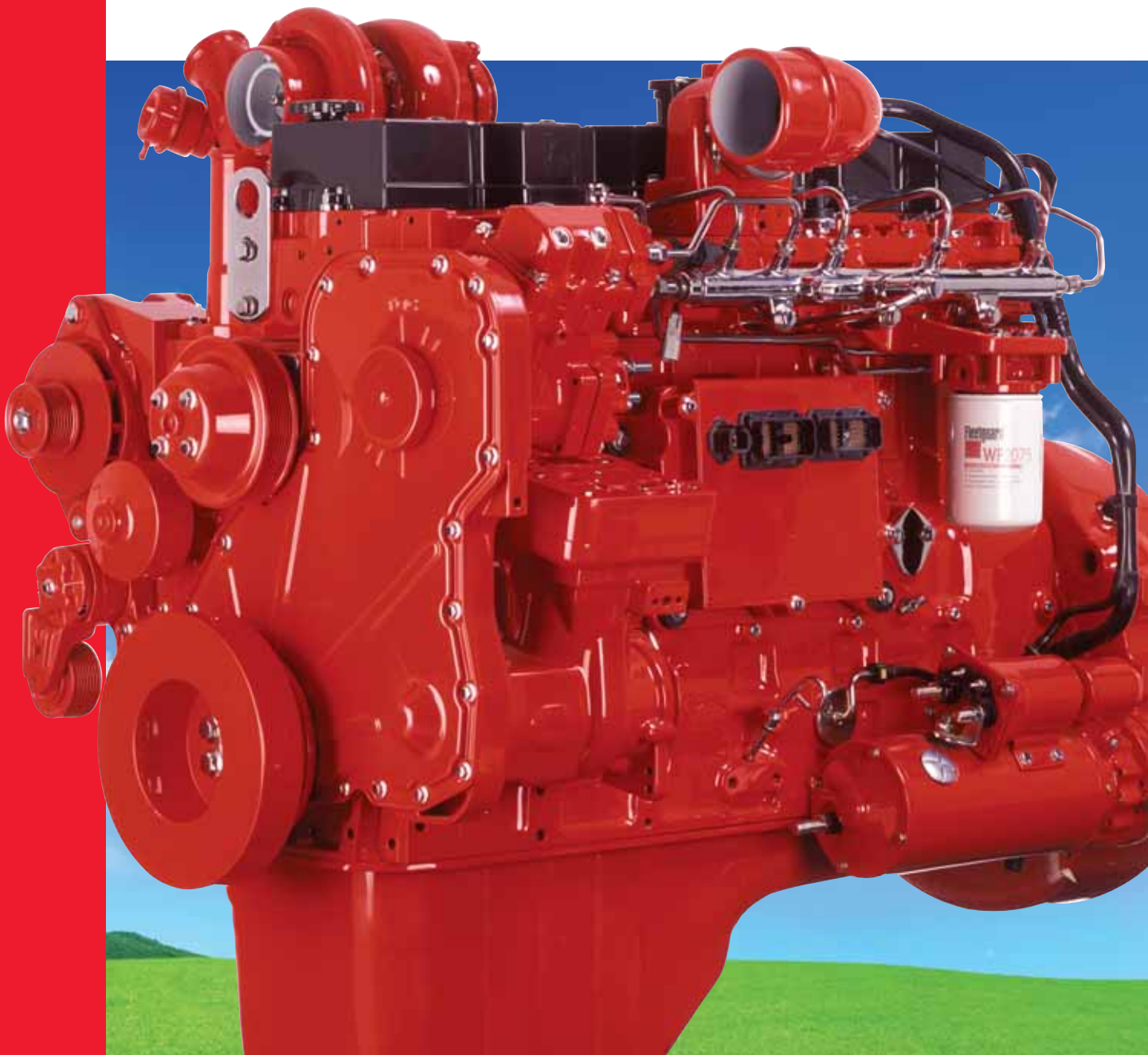




# Every™ Load. ISL<sup>e</sup>

European Automotive Engines 280-400PS



# ISL<sup>e</sup>



Cummins ISL<sup>e</sup> is a highly flexible power choice with a light weight, compact size and fuel efficient 8.9 litre configuration. With a weight up to 150kg lighter than competitive engines, operators benefit from high performance, strong acceleration and lower operating costs, all with the reliability and durability expected from Cummins.

The ISL<sup>e</sup> has been designed with heavy duty structural strength, and incorporates design features which are normally associated with larger Cummins engines. An enhanced camshaft and roller cam followers, a viscous damper and high capacity lube system enable Cummins to maintain high durability and reliability with a high power to weight ratio. Weighing in at just over 700kg, the ISL<sup>e</sup> offers significant benefits for payload critical and high bulk volume operations. With unrivalled levels of torque for an engine of this size, the ISL<sup>e</sup> provides the flexible power solution for premium rigid trucks, lightweight tractor units, heavy duty buses and coaches and specialist vehicle applications. Strong accelerating ability also makes the ISL<sup>e</sup> an ideal choice for armoured fighting vehicles.

Lower maintenance costs are achievable, thanks to a combination of long service intervals and a simpler design. Minimal maintenance intervention is required, valve set checks are way beyond industry standard intervals, while fuel injectors require no scheduled inspection. The auto-tensioning fan drive belt requires only visual inspection.

As European emissions regulations are adopted around the world, ISL<sup>e</sup> engines have been developed to offer the same product enhancements, wherever they operate.

Whether your requirement is for an engine to meet Euro 2, Euro 3, Euro 4 or Euro 5 emissions, whether you are operating in Europe, Middle East, Africa, Russia, China, Brazil or India, there is an ISL<sup>e</sup> for you. And it comes packed with all the latest design features.

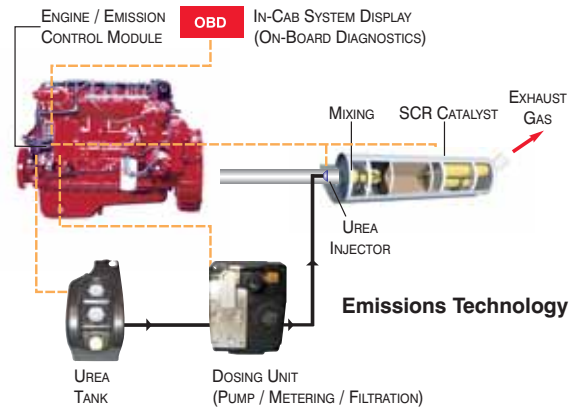
The ISL<sup>e</sup> provides equipment manufacturers with a cost effective engine that has a power to weight ratio that few can match. Backed by the renowned reliability and durability of Cummins engines, it is the engine for every load!

## Ratings

EMISSIONS	POWER RANGE PS (kW)	RATED SPEED RPM	PEAK TORQUE Nm (LB-FT)
EURO 2	350 (257)	2100	1550 (1143)
EURO 3	280-350 (210-257)	2100	1550 (1143)
EURO 4	280-400 (210-294)	2100	1700 (1260)
EURO 5	280-400 (210-294)	2100	1700 (1260)

## Specifications

	ISL <sup>e</sup> (TRUCK/COACH)	ISL <sup>e</sup> (BUS)
POWER (PS)	400	340
PEAK TORQUE (Nm)	1700	1500
GOVERNED SPEED (RPM)	2100	2100
NO OF CYLINDERS	6	6
DISPLACEMENT (LITRES)	8.9	8.9
OIL SYSTEM CAPACITY (LITRES)	27.6	27.6
DRY WEIGHT (KG)	706	706



## Features and Benefits

To achieve so much performance, the Cummins ISL<sup>e</sup> comes equipped with leading edge technology, giving key operational benefits.

- Premium Engineering – cylinder block with integrated fluid lines, high strength tensile steel forged crankshaft, high durability pistons and special surface finish mid-stop cylinder liners support the overhaul durability goal of 850,000km.
- Electronic Integration and protection – industry standard datalink accepts inputs from all powertrain components including electronic transmissions, ABS brakes and ASR anti-slip. Creates a seamless flow of information shared along a high speed network.
- Electronic Protection – Sensors throughout the engine continually send data back to the ECM for self diagnosis and protection. Rapid diagnostics and data downloading are available, helping to ensure maximum uptime for vehicles.
- Electronic Control Module (ECM) – has a higher processing capacity than the previous model. It maintains an optimum balance between load demands, fuel-efficiency and emissions control. It is designed to be isolated from detrimental thermal and vibration loading for extreme reliability and durability.
- High Pressure Common Rail system – works at higher pressure and provides more precise control of the combustion process. Capable of generating up to 1600 bar injection pressures for refined and rapid power delivery, reduced noise, and improved cold start.
- Wastegated Turbocharger – developed by Cummins Turbo Technologies to provide excellent performance across the rpm range as well as improved response through higher low-end torque.
- Latest Engine Filtration – class leading oil and fuel filtration systems developed by Cummins Filtration for exceptional engine protection.
- High Power – available up to 340ps for bus applications and 400ps for truck and coach applications, giving it the highest power to weight ratio in its class.
- High Torque – with up to 1500Nm for bus applications and 1700Nm for truck and coach applications for excellent responsiveness.
- Emissions Technology – meets Euro 4 and Euro 5 requirements using Selective Catalytic Reduction (S.C.R.) exhaust aftertreatment technology developed by Cummins Emission Solutions. This integrated system provides significant reductions in fuel consumption and extended service intervals.
- Global Design – the engines are available in specifications that meet Euro 2, Euro 3, Euro 4, Euro 5 and EEV emissions.
- Global Support – backed by the widest network in the industry, with over 5,000 service outlets worldwide. Contact your local customer assistance centre for technical support, details on [cumminsengines.com](http://cumminsengines.com)

Cummins has always been a pioneer in product development.  
Thus specifications may change without notice.  
Illustrations may include optional equipment.



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