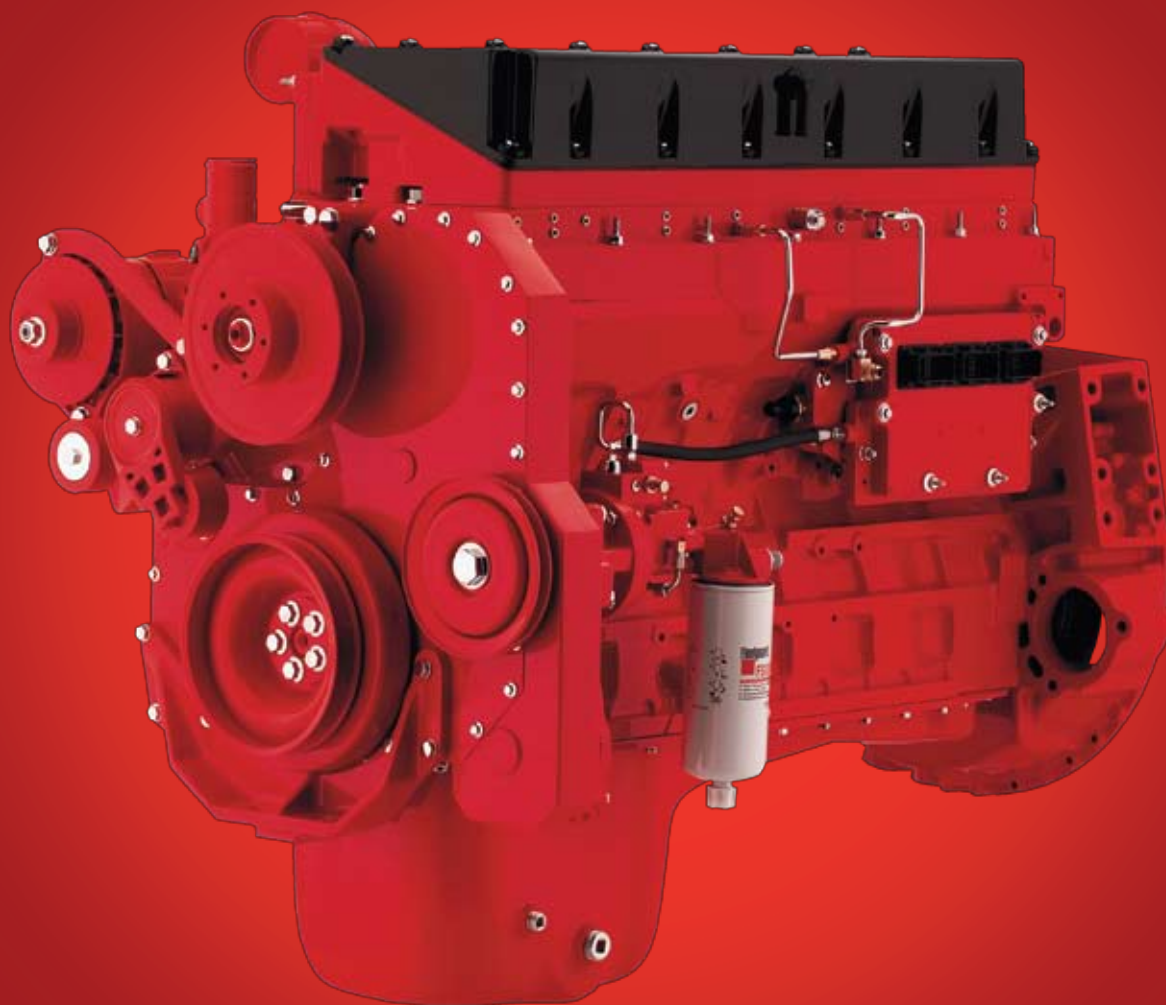




# Every Advantage. ISMe5.

The right technology matters.



# ISMe5

Complying with Euro 5 and ADR80-03 emissions regulations, the ISMe5 provides class-leading power density and fuel economy along with well proven reliability and durability – all in a lightweight package.

The ISMe5 utilises SCR (Selective Catalytic Reduction) exhaust aftertreatment technology for performance and fuel economy improvements while allowing the engine to run cleaner.

The ISMe5 is ideally suited to urban and intrastate prime mover applications where low tare weight is important.

## Features and Benefits.

- High power-to-weight ratio.
- Ratings up to 440 hp/1535 lb ft.
- Electronically uprateable from 385 to 440 hp without hardware changes.
- Tried and proven base engine design.
- Fully integrated in-house SCR exhaust aftertreatment system, developed by Cummins Emissions Solutions.
- Cummins HX55 turbocharger with electronically controlled wastegate, specifically matched to ISMe5.
- Proven Cummins Select fuel system with electronic unit injectors.
- Compression engine brake providing up to 325 braking horsepower.
- Full-authority electronic control providing standard Cummins features such as diagnostics, data downloading, PTO control, maintenance monitoring and engine protection.

## Specifications

Type	4-cycle, in-line, 6 cylinder, turbocharged/charge air cooled
Bore & Stroke	125 x 147 mm (4.92 x 5.79 in)
Displacement	10.8 litres (659 cu in)
Compression ratio	16.2:1
Oil system capacity	39 litres
Dry weight	940 kg

## Ratings

Truck / Coach		
HP	TORQUE LB FT (Nm) @ RPM	GOVERNED RPM
385	1345 (1825) @ 1200	1900
420	1475 (2000) @ 1200	1900
440	1535 (2080) @ 1200	1900

## Emissions Technology.

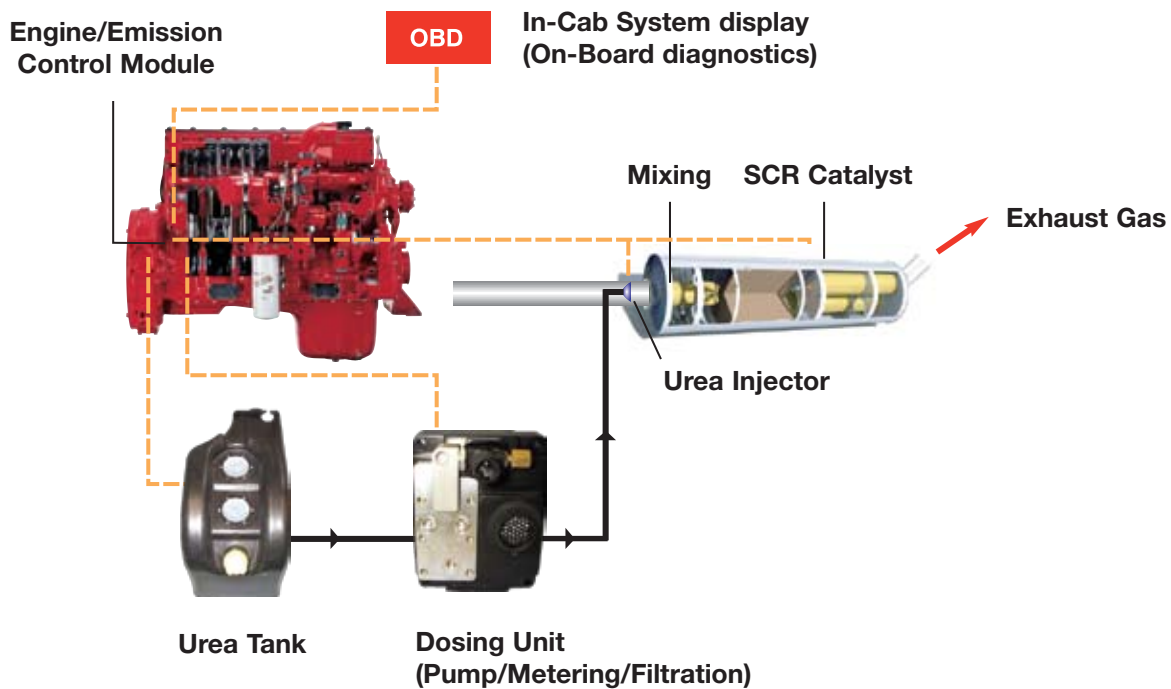
Leadership in combustion research, fuel and air-handling systems, filtration, electronic controls and exhaust aftertreatment allows Cummins to provide the most appropriate emissions control solution for each market served.

Selective Catalytic Reduction (SCR) is the standard technology on Cummins ISBe5, ISLe5 and ISMe5 engines meeting Euro 5 and ADR80-03 emissions regulations.

SCR has been used by Cummins in Europe since 2005.

This technology doesn't change the design or operation of the basic engine. Rather, SCR is an exhaust aftertreatment system which converts nitrogen oxides (NOx) in the exhaust stream into harmless gases.

This means engine combustion can be optimised for improved fuel economy and reduced heat rejection.



The ISMe5's SCR system is a fully integrated in-house design, developed by Cummins Emissions Solutions. In fact, Cummins is the only diesel engine manufacturer with in-house integration of the critical subsystems from air handling to exhaust aftertreatment.

The entire Cummins SCR system is centrally controlled and monitored from the engine ECM.

SCR works by injecting Diesel Exhaust Fluid (DEF) into the exhaust stream in small quantities. DEF – or AdBlue as it is also known – is nothing more than a solution of 32.5% urea and deionised water.

DEF works with the heat of the exhaust and a catalyst to convert NOx into nitrogen and water vapour – two harmless and natural components of the air we breathe.

DEF consumption is generally 3% to 6% of normal diesel consumption, depending on vehicle operation and application.

DEF is a non-toxic, non-flammable liquid and is widely available in the South Pacific, including from Cummins branches and dealers.

### Warranty Coverage.

Cummins' base engine coverage\* is 2 years or 402,336 km, whichever occurs first. It covers:

- Full parts and labour on warrantable failures.
- Travel or towing when an engine is disabled by a warrantable failure or further operation would cause damage (from date of delivery through the first year).
- Consumables not reusable due to covered failure.
- No deductibles.



There is also major components coverage of 5 years, 804,672 km, or 12,500 hours whichever occurs first.

\* Plan covers defects in materials or factory workmanship.

**Customer Support -  
Every place you need it.**

Cummins has the most comprehensive service support network in the South Pacific with 39 company-owned branches, more than 150 dealers, and over 200 field service vehicles linked by GPS for fast response.

In addition, customers in Australia and New Zealand can call the Australian-based Cummins Support Centre any time of the day, any day of the year, for breakdown assistance or technical advice. All you need to do is ring a single number – 1300 CUMMINS (if you're in Australia) or 0800 CUMMINS (if you're in New Zealand) – and you can speak directly to a highly experienced Cummins service technician.

**Everywhere.  
Cummins Locations.**

**AUSTRALIA**

**New South Wales**

Dubbo	02 6881 8260
Grafton	02 6641 1000
Leeton	02 6953 3077
Muswellbrook	02 6541 0611
Newcastle	02 4964 8466
Orange	02 6360 2777
Queanbeyan	02 6297 3433
Sydney	02 9616 5300
Tamworth	02 6765 5455
Wollongong	02 4227 2444

**Tasmania**

Devonport	03 6424 8800
Hobart	03 6262 5700

**Victoria**

Campbellfield	03 9357 9200
Laverton	03 8368 0800
Mildura	03 5022 0800
Swan Hill	03 5033 1511
Wodonga	02 6024 3655

**Western Australia**

Bunbury	08 9725 6777
Geraldton	08 9964 5449
Kalgoorie	08 9080 1300
Karratha	08 9144 4646
Perth	08 9475 8777

**Northern Territory**

Darwin	08 8947 0766
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**Queensland**

Brisbane	07 3710 4700
Cairns	07 4035 2999
Cloncurry	07 4742 0088
Emerald	07 4983 9000
Mackay	07 4952 8100
Toowoomba	07 4633 7627
Townsville	07 4774 7733

**NEW ZEALAND**

Auckland	09 277 1000
Bay Of Plenty	07 345 6699
Palmerston Nth	06 356 2209
Whangarei	09 438 8892

**South Australia**

Adelaide	08 8368 4300
Mount Gambier	08 8725 6422
Port Lincoln	08 8683 1967

**PAPUA NEW GUINEA**

Lae	05 472 3699
Port Moresby	05 323 2471

With Cummins you're not just buying an engine, you're buying a partnership with all the support, services and parts you need.



**The Cummins Support Centre boasts a team of highly experienced service technicians who are based at a dedicated facility in Melbourne.**

**BRANCH/DEALER STAMP**



For Australia

**1300Cummins**  
Ph 1300 286 646

For New Zealand

**0800Cummins**  
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