

Every job. ISBe5.

The right technology matters.



# ISBe5.



The ISBe5 builds on the reputation of the legendary B-series Cummins engines of which there are more than four million in service around the world.

Available in two configurations – 4.5 litres and 6.7 litres – the ISBe5 uses SCR (Selective Catalytic Reduction) technology to comply with Euro 5 and ADR80/03 emissions regulations.

The renowned dependability of the long established Cummins B-series platform is incorporated in the ISBe5, along with class-leading performance and fuel efficiency.

## Features and benefits.

- Highest power-to-weight ratio in its class.
- Truck, bus and coach ratings from 140 hp/406 lb ft to 300 hp/812 lb ft.
- Excellent pedigree: Derived from long-serving, durable B-series platform.
- High-pressure common rail fuel system with electronic injectors for rapid power delivery, low noise and low emissions.
- Full-authority electronic control providing standard Cummins features such as diagnostics, data downloading, PTO control, maintenance monitoring and engine protection.

## Specifications

	4 CYLINDER	6 CYLINDER
Configuration	In-line, 4 cylinder	In-line, 6 cylinder
Bore & stroke	107 x 124 mm	107 x 124 mm
Displacement	4.5 litres	6.7 litres
Compression ratio	17.3:1	17.3:1
Oil system capacity	11 litres	17.5 litres
Dry weight	374 kg	485 kg

## Ratings

### 4.5 litre (4 cylinder) – Truck/coach

HORSEPOWER (KW)	PEAK TORQUE LB FT (Nm) @ RPM	GOVERNED SPEED
207 (152)	560 (760) @ 1400	2500 rpm
185 (136)	516 (700) @ 1200	2500 rpm
160 (118)	442 (600) @ 1100	2500 rpm
140 (103)	406 (550) @ 1100	2500 rpm

### 4.5 litre (4 cylinder) – City/transit bus/hybrid bus

HORSEPOWER (KW)	PEAK TORQUE LB FT (Nm) @ RPM	GOVERNED SPEED
185 (136)	516 (700) @ 1200	2300 rpm
160 (118)	442 (600) @ 1100	2300 rpm
140 (103)	406 (550) @ 1100	2300 rpm

### 6.7 litre (6 cylinder) – Truck/coach

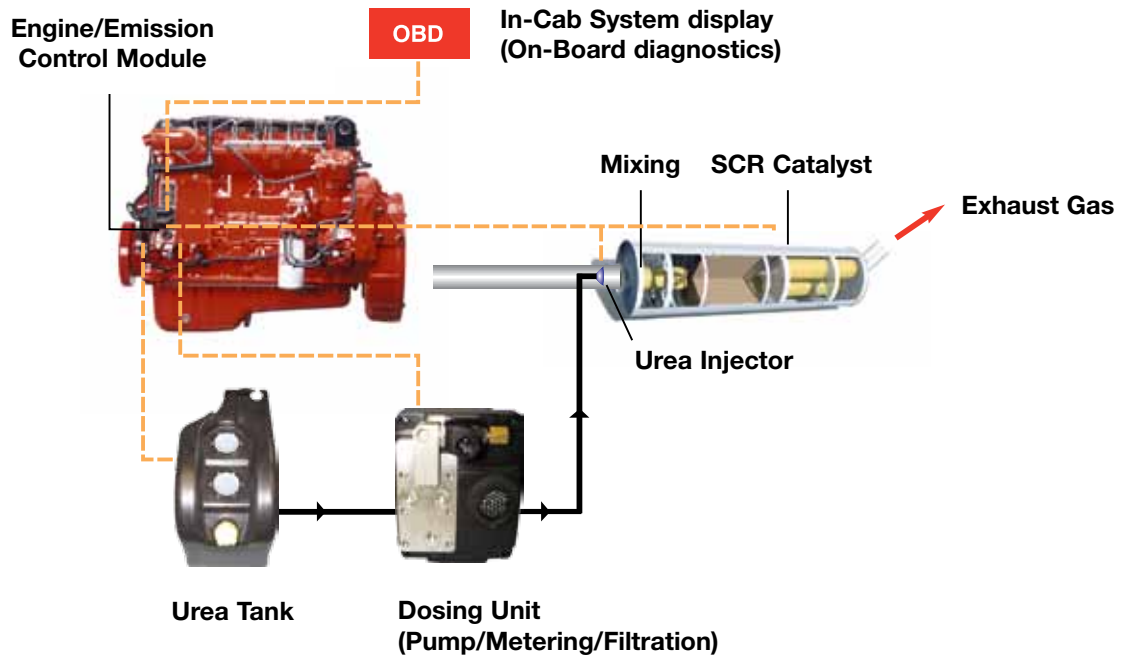
HORSEPOWER (KW)	PEAK TORQUE LB FT (Nm) @ RPM	GOVERNED SPEED
300 (221)	812 (1100) @ 1200	2500 rpm
285 (210)	752 (1020) @ 1200	2500 rpm
250 (184)	700 (950) @ 1200	2500 rpm
225 (166)	627 (850) @ 1100	2500 rpm

### 6.7 litre (6 cylinder) – City/transit bus

HORSEPOWER (KW)	PEAK TORQUE LB FT (Nm) @ RPM	GOVERNED SPEED
300 (221)	812 (1100) @ 1200	2300 rpm
285 (210)	752 (1020) @ 1200	2300 rpm
250 (184)	752 (1020) @ 1200	2300 rpm
225 (166)	627 (850) @ 1100	2300 rpm
205 (151)	553 (750) @ 1100	2300 rpm

### 6.7 litre (6 cylinder) – Hybrid bus

HORSEPOWER (KW)	PEAK TORQUE LB FT (Nm) @ RPM	GOVERNED SPEED
285 (210)	752 (1020) @ 1200	2300 rpm
250 (184)	752 (1020) @ 1200	2300 rpm
225 (166)	627 (850) @ 1100	2300 rpm
205 (151)	553 (750) @ 1100	2300 rpm



### 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 mid-range 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 NOx in the exhaust stream into harmless gases.

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

The ISLe5'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 4% to 8% 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/ unlimited kilometres.
- Covers full parts and labour on warrantable failures.
- Covers travel and towing when an engine is disabled by a warrantable failure.



\* Covers defects in materials or factory workmanship.

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

Cummins has the most comprehensive service support network in Australia and New Zealand with 38 branches, 170 authorised dealers, and more than 240 field service vehicles linked by GPS for fast response.

In addition, customers 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.

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.**

**Everywhere.  
Cummins locations.**

**AUSTRALIA**

**New South Wales**

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

**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

**South Australia**

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

**Tasmania**

Devonport	03 6424 8800
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**Victoria**

Campbellfield	03 9357 9200
Laverton	03 8368 0800
Mildura	03 5022 0800
Pakenham	03 5943 3700
Swan Hill	03 5033 1511
Wodonga	02 6024 3655

**Western Australia**

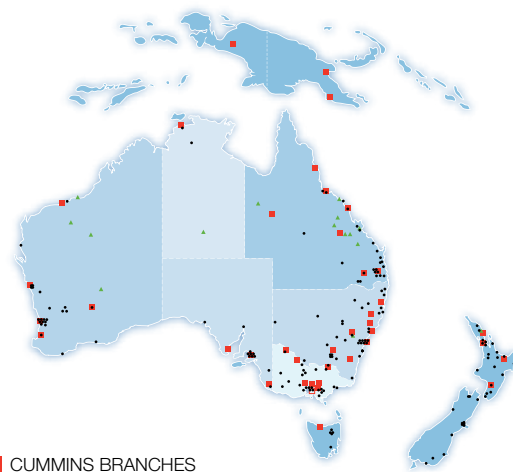
Bunbury	08 9725 6777
Geraldton	08 9964 5449
Kalgoorlie	08 9080 1300
Karratha	08 9144 4646
Perth	08 9475 8777

**NEW ZEALAND**

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

**PAPUA NEW GUINEA**

Lae	05 472 3699
Port Moresby	05 323 2471



- CUMMINS BRANCHES
- ▲ Field Service Locations
- Cummins Dealers

For Australia  
**1300Cummins**  
Ph 1300 286 646

For New Zealand  
**0800Cummins**  
Ph 0800 286 646



Cummins Head Office  
2 Caribbean Drive  
Scoresby Vic 3179 Australia  
Phone 613 9765 3222  
Fax 613 9763 0079  
[www.cummins.com.au](http://www.cummins.com.au)