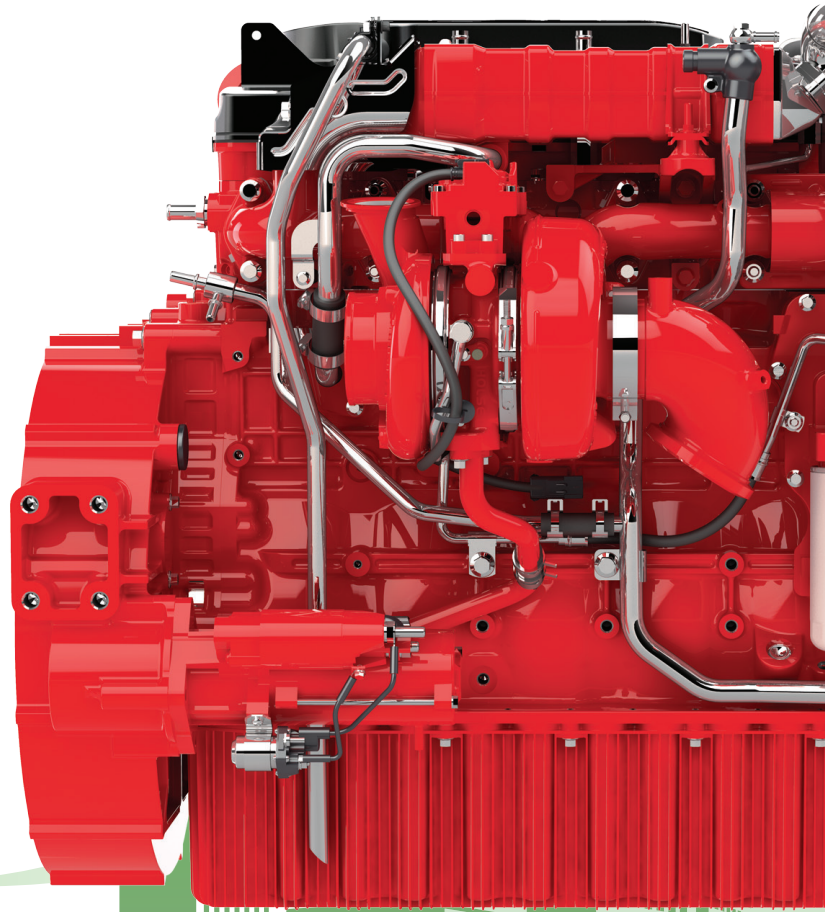


Smart
Efficiency



ISB Euro 6

Bus & Coach





Smart Efficiency



The ISBe6 builds on the reputation of the legendary B-series Cummins engines of which there are more than ten million in service around the world. Available in two configurations – 4.5 litres and 6.7 litres – the newest version of the ISB takes this further, using the latest ultra-low emissions technologies of cooled exhaust gas re-circulation (EGR), variable geometry turbocharging (VGT), selective catalytic reduction (SCR) and diesel particulate filtration (DPF) to meet the near-zero levels of Euro 6.

The renowned dependability of the long established Cummins B-series platform is incorporated in the ISBe6, along with class-leading performance and fuel efficiency.

Specifications

	4 CYLINDER	6 CYLINDER
Configuration	In-line, 4 cylinder	In-line, 6 cylinder
Bore and stroke	107 x 124 mm	107 x 124 mm
Displacement	4.5 litres	6.7 litres
Oil system capacity	13 litres	27.5 litres
Dry weight	341 kg	518kg
Aftertreatment weight	85 kg	90 kg

Ratings

4.5 litre (4 cylinder) - Coach

HORSEPOWER (kW)	TORQUE Nm @ RPM	GOVERNED SPEED
210 (157)	850 @ 1200	2300 rpm
180 (134)	750 @ 1100	2300 rpm
150 (112)	650 @ 1000	2300 rpm

4.5 litre (4 cylinder) - Bus

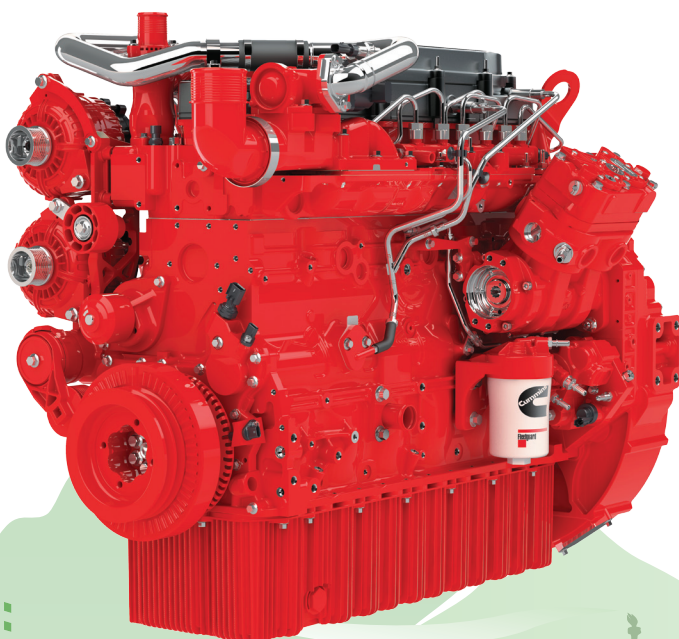
HORSEPOWER (kW)	TORQUE Nm @ RPM	GOVERNED SPEED
210 (157)	850 @ 1200	2300 rpm
180 (134)	700 @ 1000	2300 rpm
150 (112)	650 @ 1000	2300 rpm

6.7 litre (6 cylinder) - Coach

HORSEPOWER (kW)	TORQUE Nm @ RPM	GOVERNED SPEED
320 (239)	1200 @ 1100	2300 rpm
290 (217)	1100 @ 1000	2300 rpm
260 (194)	1000 @ 1000	2300 rpm
230 (172)	900 @ 1000	2300 rpm

6.7 litre (6 cylinder) - Bus

HORSEPOWER (kW)	TORQUE Nm @ RPM	GOVERNED SPEED
300 (224)	1200 @ 1100	2100 rpm
280 (209)	1100 @ 1000	2100 rpm
250 (187)	1000 @ 1000	2100 rpm
220 (164)	900 @ 1000	2100 rpm



Features and benefits

■ Optimised maintenance intervals

Euro 6 ISB 4.5 & 6.7 comes with increased oil pan capacity and advance filtration technology allowing for maintenance intervals up to 2,000 hrs.

■ Experienced vehicle integration

Over 90 years of experience in engine power train integration. Resulting in perfectly matched engine power train for optimised fuel economy, performance and after treatment regeneration.

■ Operator performance

ISB Euro 6 has been optimised to deliver higher torque at low speed, resulting in significant driveability, durability and fuel economy improvements.

■ Smart efficiency

A range of sustainable technologies for improved fuel efficiency, reduced CO₂ emissions and the lowest total cost of operation.

■ Architecture and serviceability

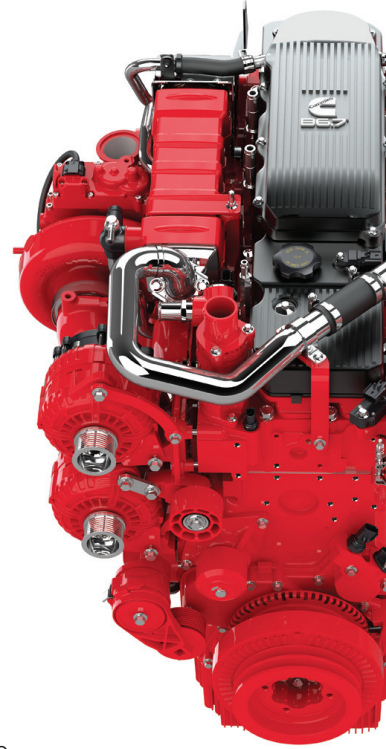
Cummins ISB 4.5 and 6.7 Euro 6 architecture is uncomplicated and technician friendly.

■ Highest power to weight ratio

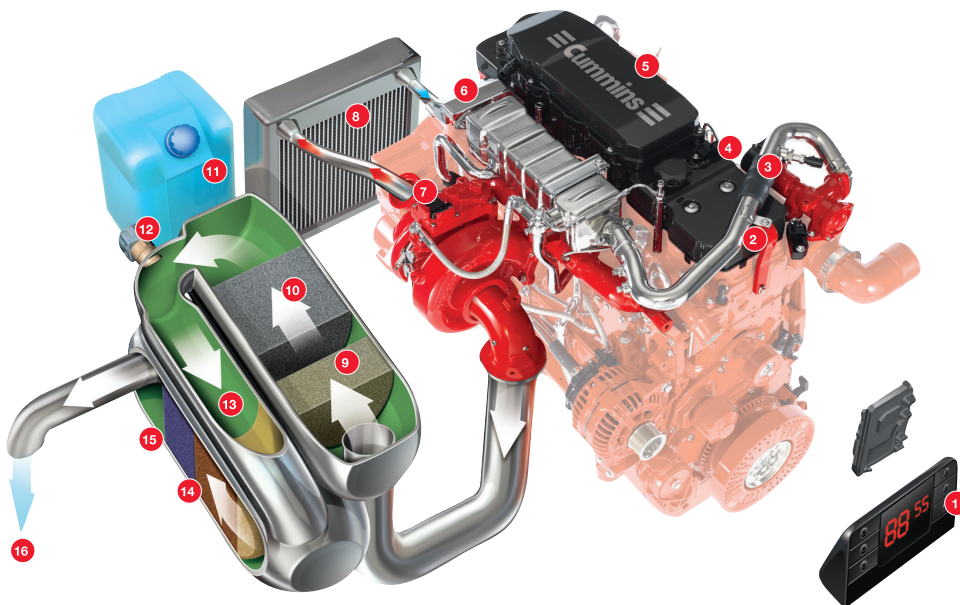
Higher engine power density increases engine 'usable' speed range. Delivers a smaller overall package, lighter vehicle mass, improved fuel economy.

■ Versatile power ratings

Both 4.5 and 6.7 litre variations deliver a broad spectrum of power ratings. A simple electronic adjustment is all it takes to meet the desired power ratings.



Euro 6 schematic



- 1 ON-BOARD DIAGNOSTIC (OBD) IN-CAB DISPLAY
- 2 ELECTRONIC CONTROL MODULE – CAN BE REMOTE OR ENGINE MOUNTED
- 3 CUMMINS DESIGNED EGR MIXING DEVICE
- 4 HIGH PRESSURE COMMON RAIL FUEL SYSTEM
- 5 CLOSED CRANKCASE BREATHER (CCV)
- 6 EXHAUST GAS RE-CIRCULATION (EGR) COOLER
- 7 CUMMINS VARIABLE GEOMETRY TURBOCHARGER (VGT)
- 8 CHARGE AIR COOLER
- 9 DIESEL OXIDATION CATALYST (DOC)
- 10 DIESEL PARTICULATE FILTER (DPF)
- 11 ADBLUE TANK
- 12 ADBLUE DOSER
- 13 DECOMPOSITION REACTOR TUBE
- 14 SELECTIVE CATALYTIC REDUCTION (SCR) CATALYST
- 15 AMMONIA SLIP CATALYST
- 16 ULTRA-CLEAN EXHAUST OUTLET

Warranty coverage

- Cummins base engine coverage is 2 years, unlimited kilometres or hours.
- Covers full parts and labour on warrantable failures.
- Covers travel and towing when an engine is disabled by a warrantable failure.





Customer Support – Everywhere you need it.

Cummins has the most comprehensive service support network in Australia and New Zealand with 37 company-owned branches, more than 150 dealers, and over 200 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 call 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.



Cummins Head Office
2 Caribbean Drive
Scoresby Vic 3179 Australia
Phone 613 9765 3222
Fax 613 9763 0079
www.cummins.com.au