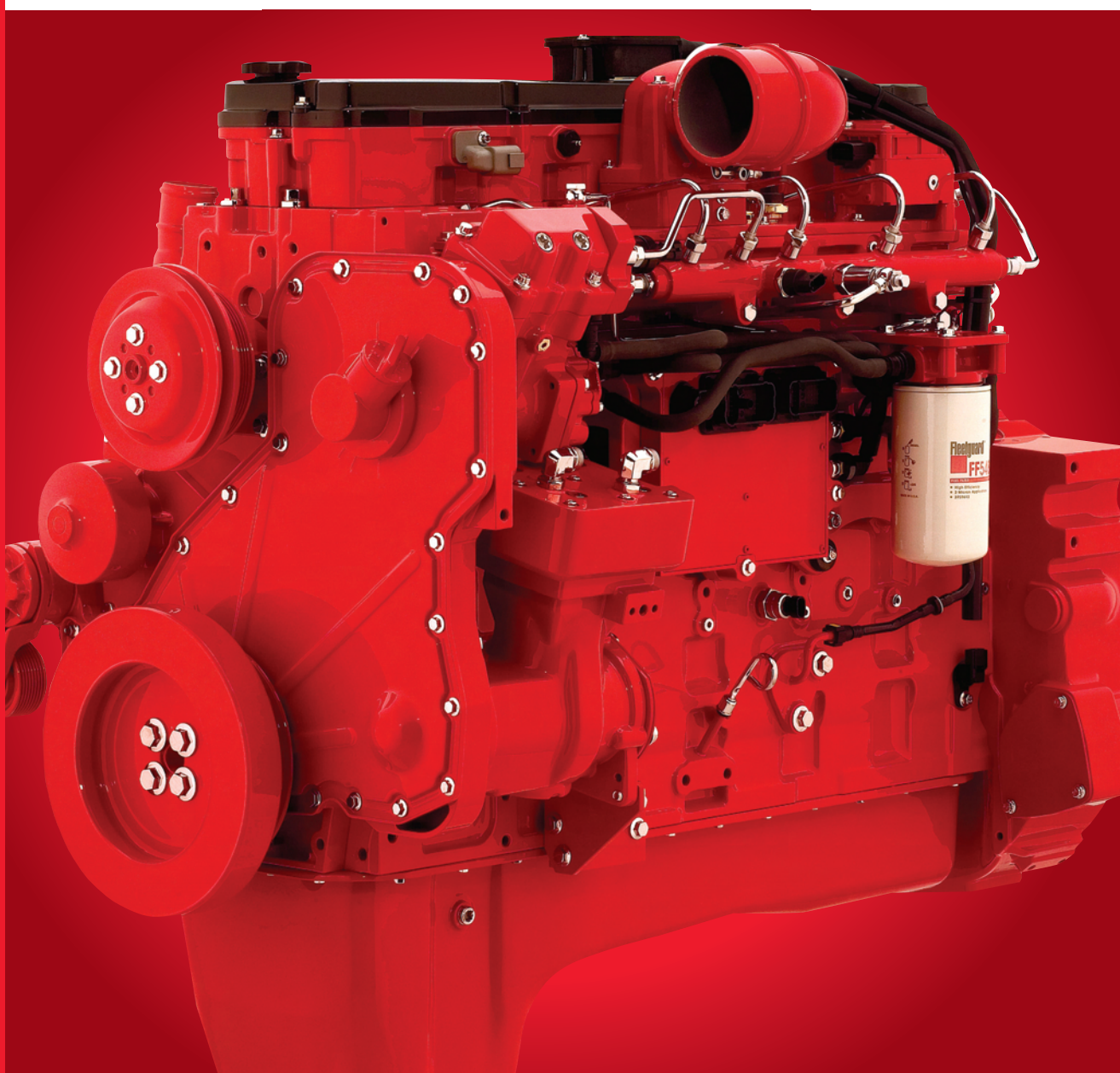




# Every Load. ISLe 5.

The right technology matters.



# ISLe

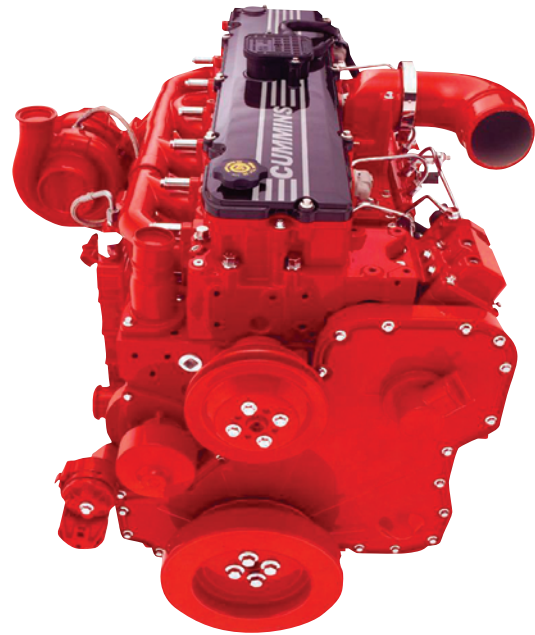
The ISLe5 is Cummins' latest generation 8.9-litre mid-range engine, with SCR (Selective Catalytic Reduction) technology utilised for emissions reduction and performance improvements.

Complying with Euro 5 and ADR80/03 emissions regulations, the ISLe5 provides best-in-class power density and fuel economy along with well proven reliability and durability.

With unrivalled performance for an engine this size, the ISLe5 is the ideal choice for concrete agitator and waste collection applications, lightweight prime movers and higher-powered bus and coach operations.

## Features and Benefits.

- High power-to-weight ratio.
- Ratings up to 400 hp/1255 lb ft. High clutch engagement torque of 575 lb ft.
- Electronically uprateable from 280 to 400 hp without hardware changes (depending on application).
- High-pressure common rail fuel system with electronic injectors for rapid power delivery, low noise and low emissions.
- Compression engine brake providing up to 250 braking horsepower.
- Heavy-duty design features such as targeted piston cooling, roller cam followers and steel-top pistons for improved reliability/durability.
- Rear engine PTO availability.
- Full-authority electronic control providing standard Cummins features such as diagnostics, data downloading, PTO control, maintenance monitoring and engine protection.



## Warranty Coverage.

- Cummins base engine coverage\* is 2 years/402,336 km/6250 hours, whichever comes first.
- 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.

## Specifications

	ISLE TRUCK
TYPE	4-CYCLE, IN-LINE, 6 CYLINDER, TURBOCHARGED/CHARGE AIR COOLED
BORE & STROKE	114 X 145 MM (4.49 X 5.69 IN)
DISPLACEMENT	8.9 LITRES (541 CU IN)
COMPRESSION RATIO	16.6:1
OIL SYSTEM CAPACITY	27.6 LITRES
DRY WEIGHT	706 KG

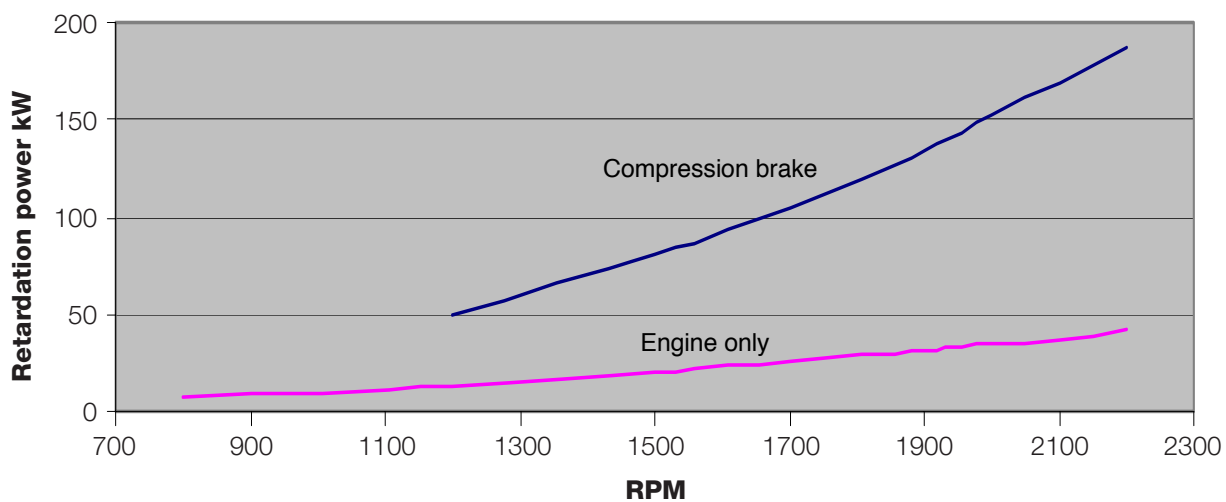
## Truck Ratings

ENGINE MODEL	POWER HP	PEAK TORQUE 18-FT (N•M) @ RPM	GOVERNED SPEED
ISLe5 280	280	782 (1060) @ 1100-1500	2100 RPM
ISLe5 320	320	959 (1300) @ 1100-1500	2100 RPM
ISLe5 340	340	1106 (1500) @ 1200-1400	2100 RPM
ISLe5 360	360	1180 (1600) @ 1200-1400	2100 RPM
ISLe5 380	380	1254 (1700) @ 1300-1400	2100 RPM
ISLe5 400	400	1254 (1700) @ 1300-1400	2100 RPM

## Bus Ratings

ENGINE MODEL	POWER HP	PEAK TORQUE 18-FT (N•M) @ RPM	GOVERNED SPEED
ISLe5 280	280	782 (1060) @ 1100-1500	2100 RPM
ISLe5 320	320	959 (1300) @ 1100-1500	2100 RPM
ISLe5 340	340	1106 (1500) @ 1200-1400	2100 RPM
ISLe5 360	360	1180 (1600) @ 1200-1400	2100 RPM
ISLe5 380	380	1254 (1700) @ 1300-1400	2100 RPM
ISLe5 400	400	1254 (1700) @ 1300-1400	2100 RPM

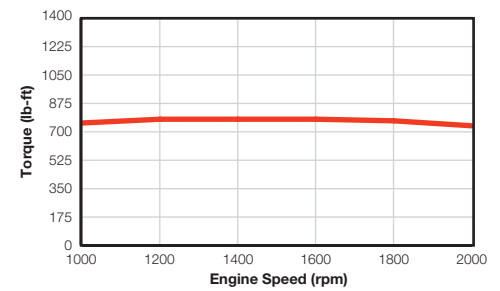
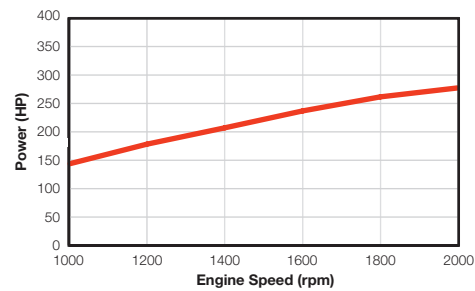
## ISLe5 Engine Braking



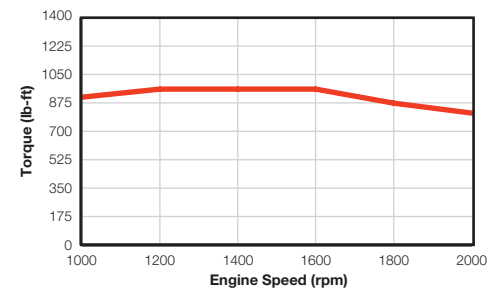
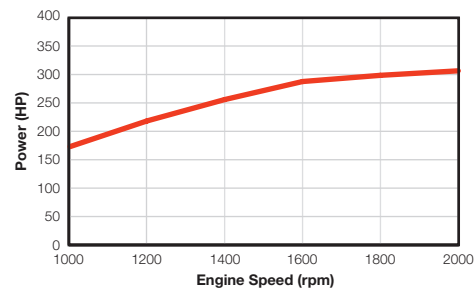
The Cummins compression engine brake on the ISLe5 provides up to 250 braking horsepower (186 kW).

# ISLe Torque and Power Curves.

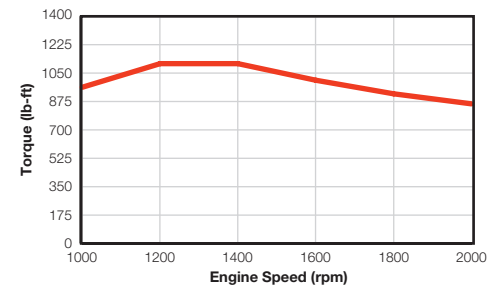
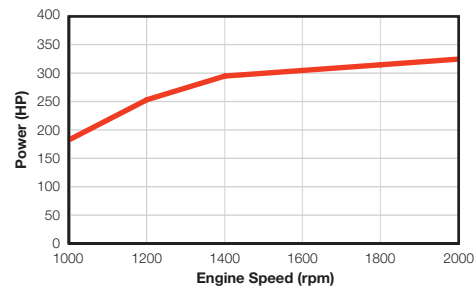
**ISLe 280HP**



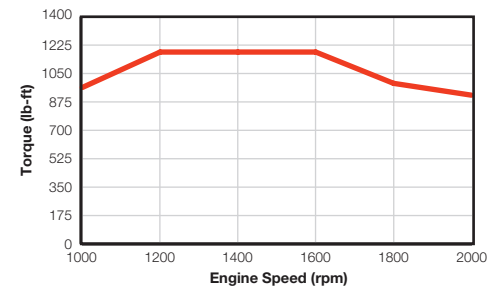
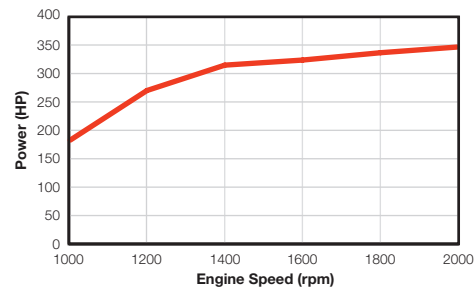
**ISLe 320HP**



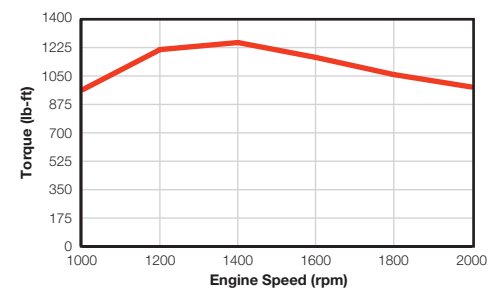
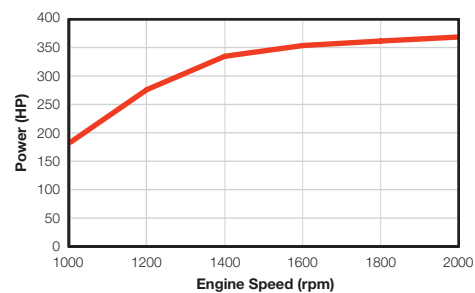
**ISLe 340HP**



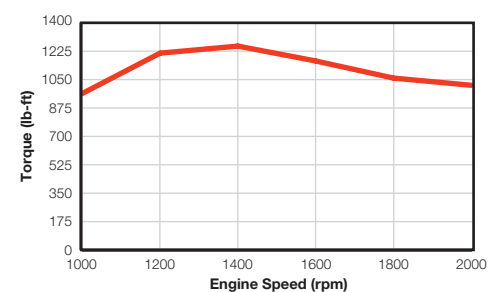
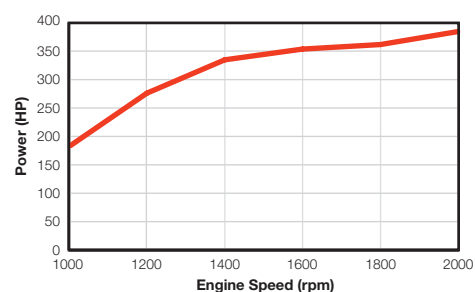
**ISLe 360HP**

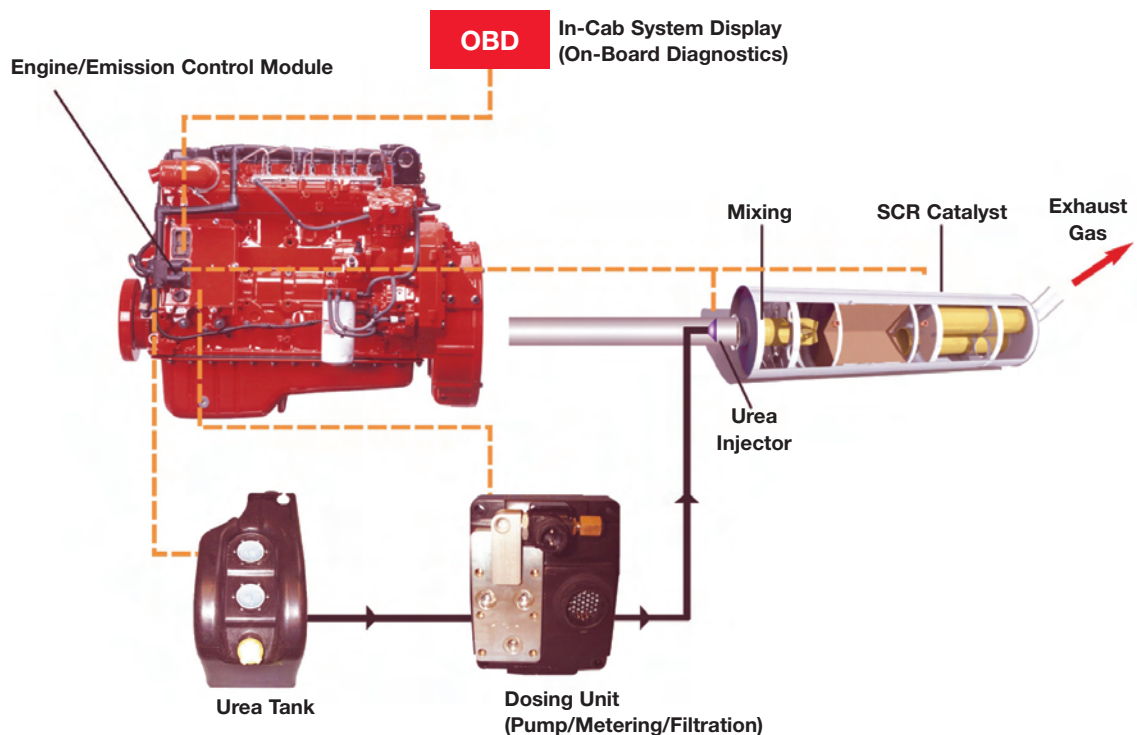


**ISLe 380HP**



**ISLe 400HP**





## 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 NO<sub>x</sub> 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 NO<sub>x</sub> 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.



## Customer Support – Every place you need it.

Cummins has the most comprehensive support network for truck and bus operators in Australia and New Zealand with over 50 service points, 200 truck service bays and over 200 field service vehicles linked by GPS tracking. In addition Cummins offers our 1300 CUMMINS (Australia) and 0800 CUMMINS (New Zealand) after-hours customer support line to assist you 24 hours a day every day of the year, in the event of a breakdown. With Cummins you're not just buying an engine, your 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

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

#### Northern Territory

Darwin	08 8947 0766
--------	--------------

#### 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
Hobart	03 6263 5766

#### 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
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

### PAPUA NEW GUINEA

Lae	05 472 3699
Port Moresby	05 323 2471

For Australia

**1300Cummins**  
Ph 1300 286 646

For New Zealand

**0800Cummins**  
Ph 0800 286 646

### BRANCH/DEALER STAMP



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