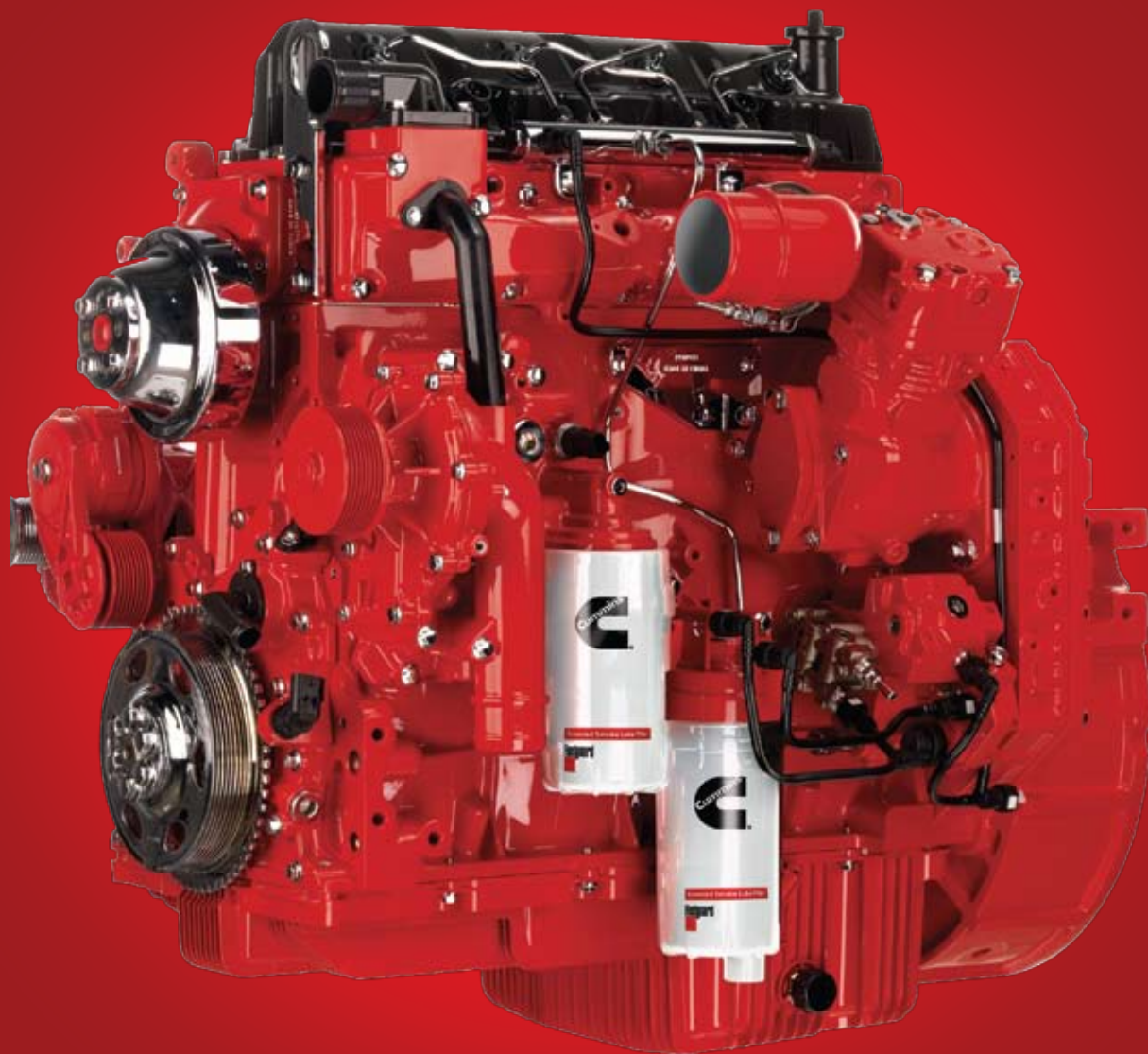




# Every Innovation. ISF.

The right technology matters.



# ISF

The ISF family is designed specifically for light trucks, vans and buses.

The four-cylinder ISF is available in two displacements, 2.8 litres and 3.8 litres, and uses proven technologies from Cummins' legendary B-series engines of which there are more than four million in service around the world.

Above all, the renowned dependability of the B-series platform is incorporated in the ISF along with low weight and high power density.

Emissions compliance is achieved using selective catalytic reduction (SCR) technology – the best technology to optimise the fuel efficiency of light commercial vehicles while allowing the engine to run cleaner.

As the largest independent designer and manufacturer of diesel engines in the world, Cummins has ensured that the ISF family is the most cost effective product in its class.

## Features and Benefits.

- Low weight, high power density for best-in-class power-to-weight ratio.
- Emissions compliance achieved with selective catalytic reduction (SCR) – the right emissions technology for the light-duty market.
- High-pressure common rail fuel system for refined and rapid power delivery, low noise, low emissions and fuel efficient performance.
- Reduced noise with rear geartrain and composite oil pan and valve covers.
- Renowned dependability of long established Cummins B-series platform incorporated in ISF design.
- Projected life to overhaul (B10) of 500,000 km.
- Class-leading oil and fuel filtration systems developed by Cummins Filtration for exceptional engine protection.



ISF 3.8

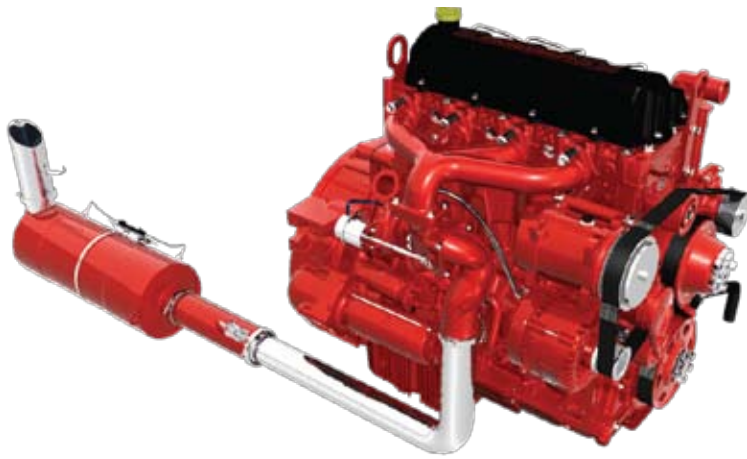
## Specifications

|                     | ISF2.8         | ISF3.8          |
|---------------------|----------------|-----------------|
| Configuration       | 4 cylinder     | 4 cylinder      |
| Bore & Stroke       | 94 mm x 100 mm | 102 mm x 115 mm |
| Displacement        | 2.8 litres     | 3.8 litres      |
| Compression ratio   | 17.5:1         | 17.2:1          |
| Oil system capacity | 5.0 litres     | 10.6 litres     |
| Dry weight          | 214 kg         | 300 kg          |

## Ratings

|               | POWER<br>HP (kW) @ rpm | PEAK TORQUE<br>lb ft (Nm) @ rpm |
|---------------|------------------------|---------------------------------|
| <b>ISF2.8</b> |                        |                                 |
| Light Duty    | 107 (80) @ 3600        | 207 (280) @ 1400                |
| Light Duty    | 129 (96) @ 3600        | 207 (280) @ 1400                |
| Light Duty    | 161 (120) @ 3600       | 266 (360) @ 1800                |
| Heavy Duty    | 129 (96) @ 3200        | 229 (310) @ 1600                |
| Heavy Duty    | 148 (110) @ 3200       | 266 (360) @ 1800                |
| <b>ISF3.8</b> |                        |                                 |
|               | 141 (105) @ 2600       | 332 (450) @ 1200                |
|               | 154 (115) @ 2600       | 369 (500) @ 1200                |
|               | 168 (125) @ 2600       | 443 (600) @ 1300                |

\* Light duty ratings are for applications 3.5 tonnes GVM and below. Heavy duty ratings are for applications 3.5 tonnes GVM and above.



## Emissions Technology.

Leadership in combustion technology, fuel systems, air handling, electronic controls, filtration 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 light-duty and 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 SCR system on the ISF 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 all the critical subsystems from air handling to exhaust aftertreatment.

The entire Cummins SCR system is centrally controlled and monitored from the engine's electronic control module.

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 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 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**

|              |              |
|--------------|--------------|
| 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 |
| Kalgoorie | 08 9080 1300 |
| Karratha  | 08 9144 4646 |
| Perth     | 08 9475 8777 |

**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 |

**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 |

**South Australia**

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

**BRANCH/DEALER STAMP**



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.southpacific.cummins.com](http://www.southpacific.cummins.com)