

# The ERF Tractor Range



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# Solutio

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1995

Whatever the nature of your business, maximising your profits is only possible if you have exactly the right truck for the job.



We understand that no two operations are alike and because of this there is no such thing as a standard ERF tractor.

From lightweight 4x2 tractors to 8x4 heavy duty units, our policy

of using the World's leading component suppliers - together with our commitment to quality design and development - means that we can effectively engineer a



vehicle that will do precisely the job you want it to do.



In addition, by fitting the industry's largest variety of ancillary equipment on-line, ERF ensures that both the vehicle and all the equipment you

need are covered under the terms of a single, whole vehicle warranty.

This flexible manufacturing philosophy is backed up by a complete aftersales and finance service, meaning that you take delivery of a vehicle that is ready for action from day one.

ERF - the total transport solution.



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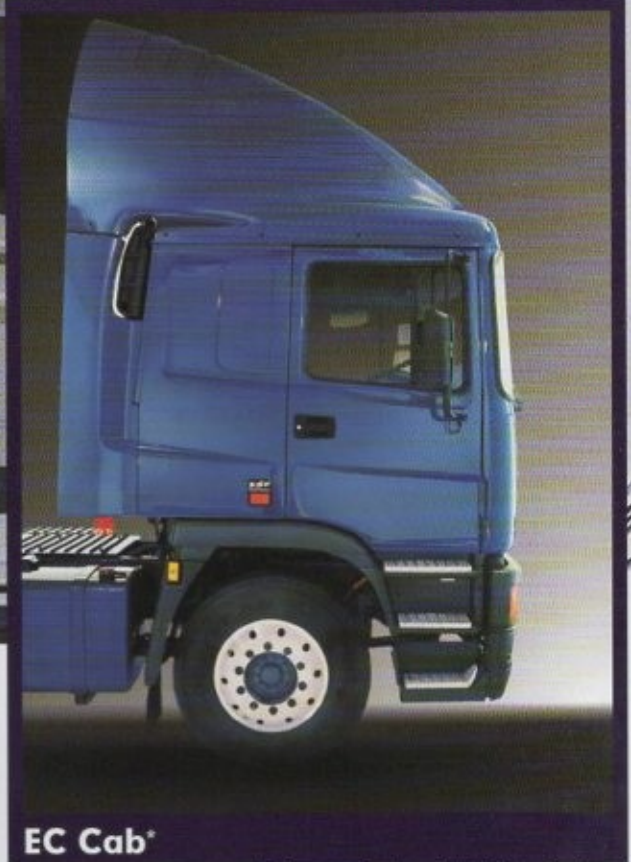
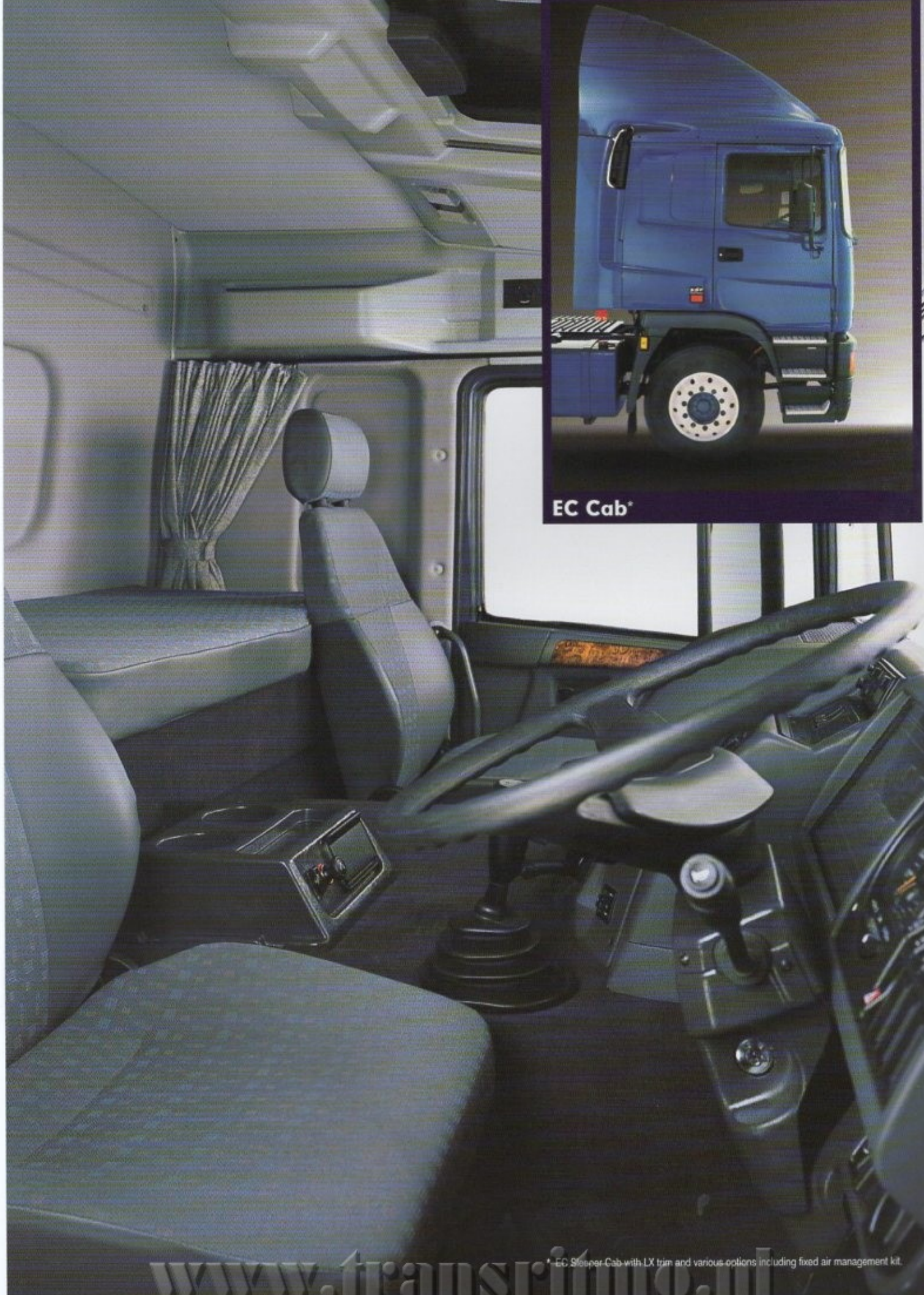


# Cabs

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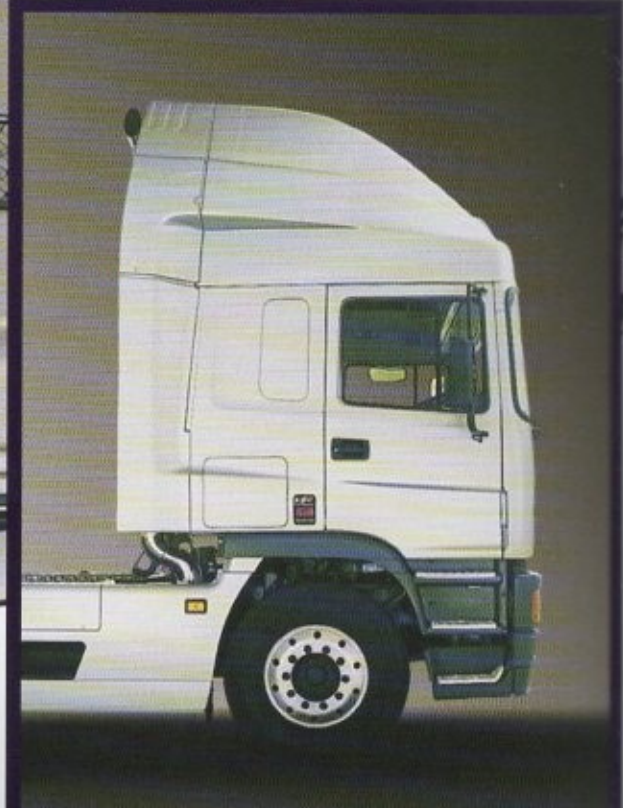


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EC Cab\*

\* EC Sleeper Cab with LX trim and various options including fixed air management kit.



EC Olympic Cab\*

\* EC Olympic Cab with various options including chassis streamlining kit, vertical exhaust, Connolly leather seating and seat belts.



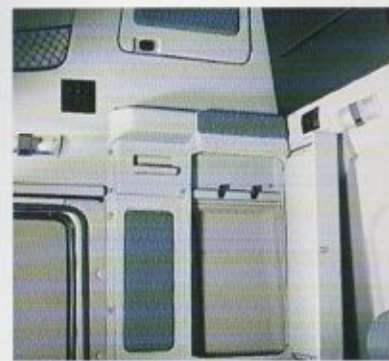
360° swivel passenger seat.



Inset carpet floor mats.



Fold away top bunk.



Built-in wardrobe.



Overhead lockers

## The EC Cab

Produced to the highest standards of safety and durability with unrivalled levels of driver comfort, the EC Cab was conceived by ERF and is unique in the industry. Constructed from fully recyclable Sheet Moulded Compound (SMC) panels mounted to a multi-coated steel subframe with corrosion resistant fittings, the EC cab offers protection against corrosion and virtually all chemicals.

- SMC does not bend, dent or rust which is why every EC Cab comes with a 10 year anti-corrosion warranty.
- Designed to meet all European impact regulations, EC Cabs are as strong as any steel counterpart.
- Aerodynamically designed for optimum efficiency.
- Easy access with 3 equally spaced steps, carefully positioned grab handles and doors that open through a full 90 degrees.
- Four point cab suspension for a smooth, balanced ride.
- Deep windscreen, large side windows and low, heated mirrors give unrivalled all-round vision.
- Left or right hand drive available.

The EC Cab is as impressive on the inside as it is on the outside, offering the most driver friendly environment on the road.

- Three cab styles available: Day Cab, single bunk Sleeper - both with standard or LX trim and twin bunk Olympic.
- The newly designed facia gives outstanding forward vision across its full width and easy cross cab access.
- The improved facia layout gives excellent instrument visibility and brings all essential controls within easy reach.
- Bright and spacious, the colour co-ordinated interior creates a relaxed working environment.
- The ergonomically designed driver's seat gives you a greater choice of seating positions and comes with air suspension as standard.
- Ultra low in-cab noise levels.
- The electronically controlled heating system - with an integral air conditioning option - warms the cab faster, has infinitely variable fan speeds and a face level fresh air facility for both driver and passenger.
- High performance night heater and comfortable single piece mattress for a good night's sleep.
- Low external air temperature indicator comes as standard.







**ES Cab**



**ES Cab**

#### **The ES Cab**

ERF's steel ES Day Cab is designed to operate in the most demanding conditions and comes with a 5 year anti-corrosion warranty. Finished in matching brown and fleck trim, ERF's compact ES cab is equipped to be both comfortable and practical with standard features including header rail storage lockers, a roof vent and an adjustable steering column. The ES Cab gives the driver excellent all round visibility and outstanding manoeuvrability making it the ideal choice for tackling busy cities, rural roads and tight loading areas.



For performance, power and outstanding economy, only ERF tractors offer you a range of environmentally friendly Euro 1 and Euro 2 engines from 8 to 14 litres.

#### **The best of both worlds**

With a choice of mechanical or electronic control, ERF offers you market leading torque performance.

#### **The Cummins Euro 2 Solution**

The C Series mechanically controlled 8 litre engines.

- Piston bowl re-shape delivering improved torque performance.
- Heavy duty pedigree of long life trouble-free operation.

The M Series 11 litre and the N Series 14 litre electronically controlled engines with the CELECT PLUS engine management system.

- High fuel injection pressure, injection timing control and precise fuel metering ensure optimum economy.
- High torque extending right across the rpm band.
- Revised mechanical features including steel crown articulating pistons and swirl combustion cylinder heads for optimised reliability, durability and fuel efficiency.

#### **The Perkins Euro 2 Solution**

The Eagle TX mechanically controlled 12 litre engines.

- Highly efficient combustion generates more usable torque and improved fuel consumption.
- Silicon carbide impregnated liners give low oil usage and low wear rates over very high mileage.
- High compression ratio gives clean cold starting without assistance.
- Maximum torque delivered over a wide rev band for exceptional driveability.

#### **The CELECT PLUS electronic engine management system**

Celect Plus opens up a whole new world of fleet management and control for all facets of your business.

**ROADRELAY** is an in-cab display unit that supplies drivers with up to the minute engine performance data such as fuel consumption and fault diagnosis. It also allows operators to use this information to monitor the performance of both the driver and the truck in order to maximise profitability. Operators will also benefit from **INROADS**, an easy to use software package with which they can transfer RoadRelay information to a PC.

For service technicians, there is **ECHEK** - a hand held diagnostics system that identifies faults to make rectification and servicing easier.

#### **Exhaust and Engine Brakes**

All ERF tractors come with the Retro exhaust brake as standard which uses exhaust back pressure to produce the retarding force. The exceptions to this are the Euro 2 EC14 models which have the Jacobs Engine

Brake fitted as standard which is even more effective than an exhaust brake and lighter, more compact than a driveline retarder. A hydraulically operated device that converts a power producing diesel engine into a power absorbing, retarding mechanism, the Jacobs Brake ensures downhill safety, prolongs brake lining and tyre life and reduces operating costs. This can also be specified on Cummins 10 and 11 litre engines.

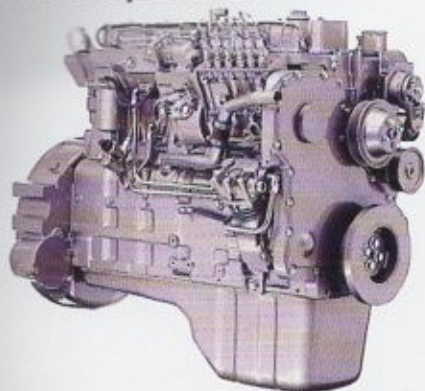


# Engjin

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# Euro 1

## EC8/ES8

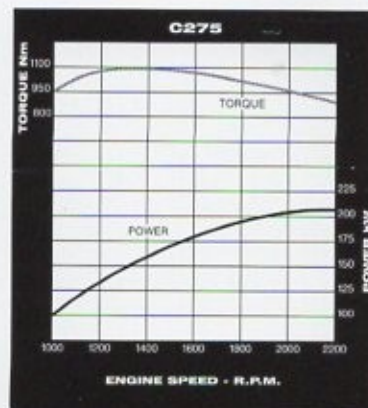


### Cummins C240

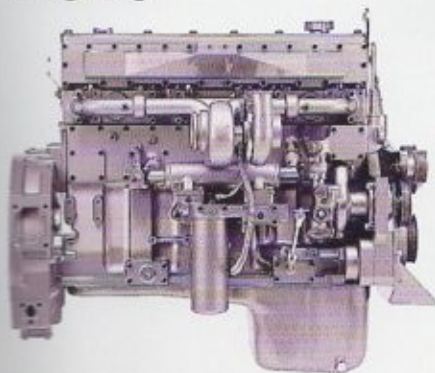
180kW(240 bhp) @ 2200 rpm  
951Nm(715 lb.ft) @ 1350 rpm

### Cummins C275

207kW(275 bhp) @ 2200 rpm  
1114Nm(822 lb.ft) @ 1300 rpm



## EC10



### Cummins L300

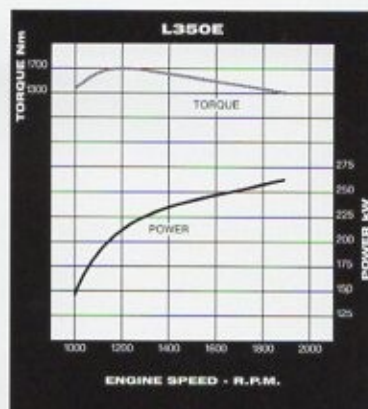
224kW(300 bhp) @ 1900 rpm  
1289Nm(950 lb.ft) @ 1200 rpm

### Cummins L325

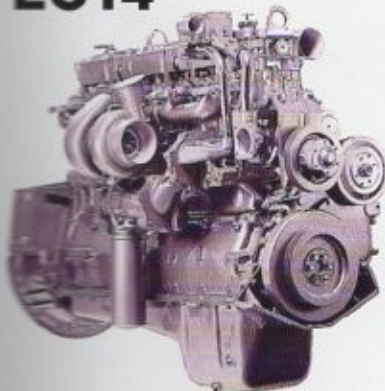
244kW(325 bhp) @ 1900 rpm  
1564Nm(1154 lb.ft) @ 1200 rpm

### Cummins L350E

262kW(350 bhp) @ 1900 rpm  
1696Nm(1251 lb.ft) @ 1200 rpm



## EC14



### Cummins N340

256kW(340 bhp) @ 1900 rpm  
1665Nm(1228 lb.ft) @ 1200 rpm

### Cummins N380

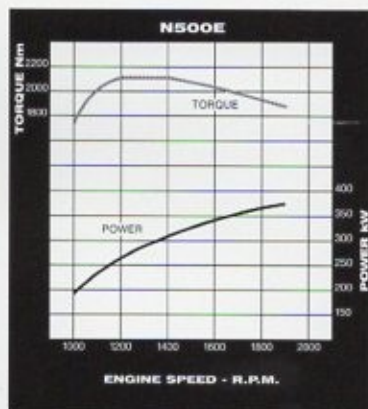
284kW(380 bhp) @ 1900 rpm  
1744Nm(1286 lb.ft) @ 1250 rpm

### Cummins N410

307kW(410 bhp) @ 1900 rpm  
1821Nm(1343 lb.ft) @ 1200 rpm

### Cummins N500E

375kW(500 bhp) @ 1900 rpm  
2114Nm(1559 lb.ft) @ 1200 rpm



# es

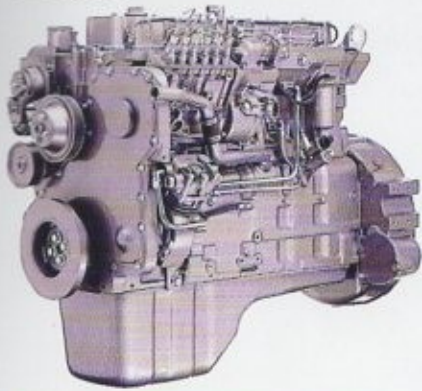


# Perkins

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# Euro 2

## EC8



### Cummins C245

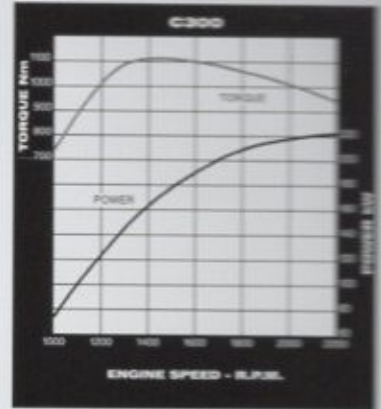
180kW(241 bhp) @ 2200 rpm  
1025Nm(756 lb.ft) @ 1400 rpm

### Cummins C280

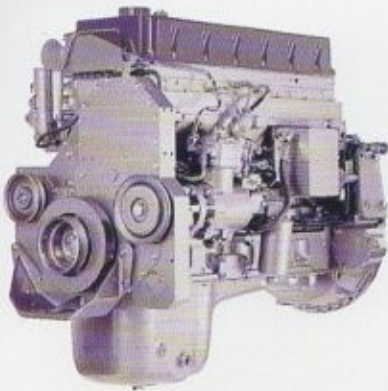
206kW(276 bhp) @ 2200 rpm  
1120Nm(826 lb.ft) @ 1400 rpm

### Cummins C300

221kW(296 bhp) @ 2200 rpm  
1125Nm(830 lb.ft) @ 1400 rpm



## EC11



### Cummins M305E

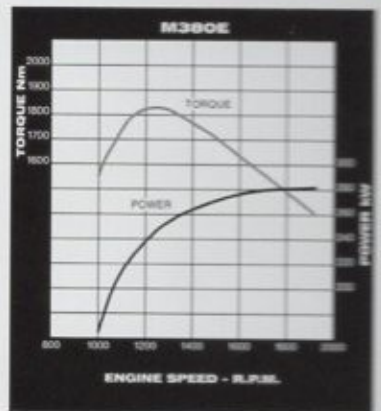
226kW(303 bhp) @ 1900 rpm  
1555Nm(1147 lb.ft) @ 1200 rpm

### Cummins M340E

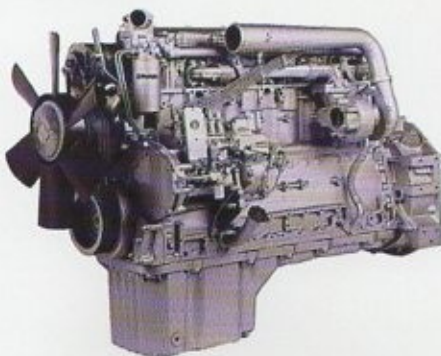
252kW(338 bhp) @ 1900 rpm  
1704Nm(1257 lb.ft) @ 1200 rpm

### Cummins M380E

280kW(375 bhp) @ 1900 rpm  
1840Nm(1357 lb.ft) @ 1200 rpm



## EC12



### Perkins TX340

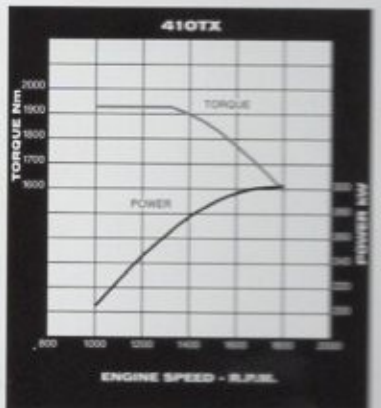
253kW(339 bhp) @ 1800 rpm  
1639Nm(1209 lb.ft) @ 1000 rpm

### Perkins TX380

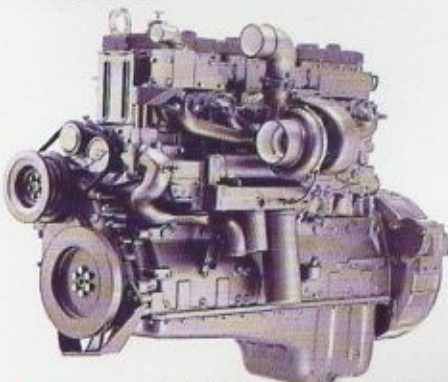
282kW(378 bhp) @ 1800 rpm  
1819Nm(1342 lb.ft) @ 1000 rpm

### Perkins TX410

301kW(404 bhp) @ 1800 rpm  
1923Nm(1418 lb.ft) @ 1000 rpm



## EC14



### Cummins N425E

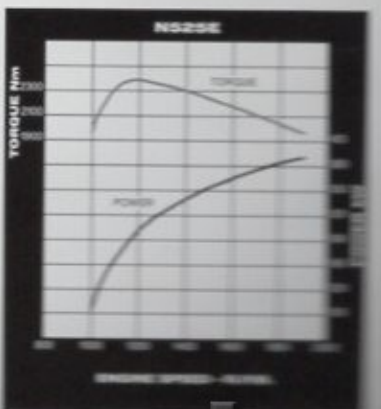
314kW(421 bhp) @ 1900 rpm  
2111Nm(1557 lb.ft) @ 1200 rpm

### Cummins N475E

351kW(471 bhp) @ 1900 rpm  
2261Nm(1668 lb.ft) @ 1200 rpm

### Cummins N525E

388kW(520 bhp) @ 1900 rpm  
2351Nm(1734 lb.ft) @ 1200 rpm





es

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For optimum operating economy across all applications, ERF offer a comprehensive range of transmissions which includes synchromesh, Twin Splitter and range change designs.

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### Synchromesh

Heavy duty 16 speed and medium duty 9 speed transmissions.

- Low shift lever loads, short lever travel and simple shift patterns make driving less physically demanding and improve driver productivity.
- Compact design and light alloy housings for more torque per kg of gearbox weight.
- High wear resistance and reliable performance.

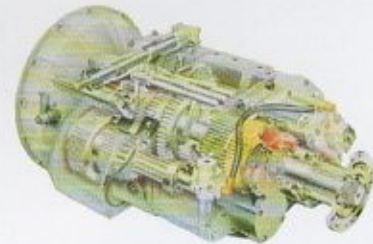


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### Twin Splitter

12 speed Twin Splitter from Eaton.

- 4 lever positions with 3 splitter gears in each position.
- Close, even steps and easy shifting for optimum fuel efficiency.
- Less gear lever shifts for reduced driver effort.



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### Range Change

9 or 13 speed range change transmissions from Eaton.

- Fast, smooth shifts with minimal effort.
- Well proven and durable twin countershaft design.
- Four PTO positions.



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### Clutches

A twin plate ceramic faced clutch is fitted to all models. In most cases this has a 7 spring soft centre and keystone ground ceramic facings with a positive plate separator for smoother operation, resulting in improved driveline life.

# Transm

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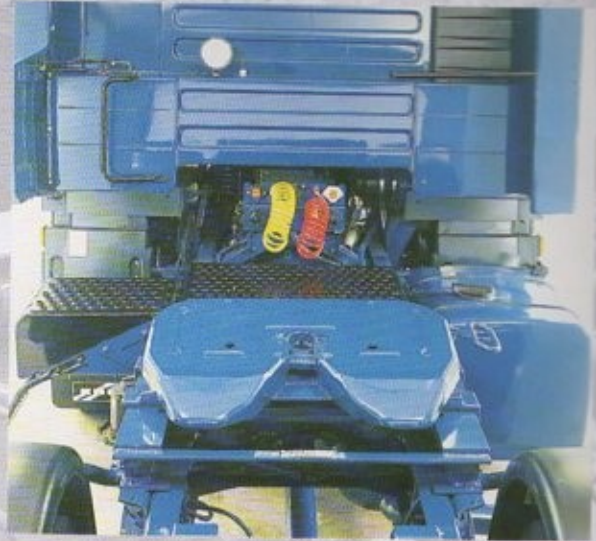
missions

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To enable you to maximise your payload, ERF tractors are designed to be strong yet low in weight. With a frame built from high tensile steel, all ERF chassis are durable, reliable and easy to maintain.

Our latest chassis design offers the following benefits:

- Unique all bolted construction for ease of maintenance.
- No protrusions above the chassis rails for better trailer compatibility.
- ERF integrated catwalk option.
- Standard positions for fitment of pumping and hydraulic gear.
- Autolube fitted as standard.



### Suspension

ERF's front suspension uses taperleaf springs with long stroke dampers and an anti-roll bar for maximum stability. Depending on your requirements, ERF offer a range of drive axle suspensions that provide unparalleled handling and ride characteristics.

#### Steel Suspension

- Long, soft taperleaf springs.
- High performance dampers.
- Anti-roll bar.

#### Air Suspension

- 2 or 4 bellow system.
- Good roll stability.
- Constant ride height maintained automatically.
- Standard lower control for trailer coupling with optional in-cab raise/lower facility.
- Traction assist on 6 wheel tractors.
- Electronically controlled air suspension available.



# Chassis

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#### Rubber Suspension

- Good roll stability.
- No wearing parts.
- Lubrication-free.
- Low maintenance design.
- Maintains excellent traction whatever the terrain.

#### Axles



With wheel configurations including 4x2, 6x2 (twin steer, mid lift and tag lift), 6x4 and the 200 tonne 8x4, ERF's range of low maintenance axles has been developed to be light, ultra durable and perfectly suited to all applications.

#### Rockwell Steer Axles

- Unitised wheel bearings eliminate the need for routine maintenance.

#### Rockwell Drive axles

- Weight saving design.
- Single reduction single drive or tandem axle with differential lock.
- Hypoid gears for low noise levels and longer life.

#### Hendrickson Mid Lift and Tag Lift Axles

- Self contained axle lift facility.
- Compact design maximises space for ancillary equipment.
- Compatible with air suspension on drive axle.

#### Heavy Duty Axles

- Spiral bevel, hub reduction tandem axles for 200 tonne 8x4 tractors.



#### Lightweight Tractor Range

For those operations where weight is critical, ERF offers a range of lightweight tractors where weight saving has been achieved without compromising ERF's traditional strength and durability.

The weight saving features include:

- Lightweight braking system.
- Alloy fuel tank.
- Alloy wheels.
- Smaller diameter wheels and tyres.



# is

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Investing in an ERF tractor gets you much more than just the vehicle - it guarantees you the full support of a company that has been a leader in serving the transport industry for over 60 years.



### Network

- With over 80 members nationwide our fully tooled, ERF trained network ensures that quality service, parts and maintenance are only a phone call away.
- Genuine ERF parts are readily available at competitive prices from each of our network members.

### Roadside Assistance

- Across the UK, one free phone call will put you in touch with ERF's roadside assistance service which is available 24 hours a day, 365 days a year.
- Breakdown cover, parts and service are also available throughout Europe at almost 3000 ERF approved outlets.

### Warranties

- Unique anti-corrosion 10 year EC Cab parts and labour warranty with no annual retreatments and no mileage constraints.
- 5 year warranty on ES Cabs.
- 2 year whole new vehicle parts and labour warranty with no mileage constraints.
- Optional extended cover is available for up to 5 years.
- All ERF warranties include UK and European roadside assistance - wherever your vehicle is, we'll repair it under the terms of your warranty.

### Finance

With a comprehensive range of purchasing options, ERF can provide the finance solution that best suits your needs.

- **CONTRACT HIRE.** The total transport solution. Choose contract hire and we will support the operating lease with a range of services that can include maintenance, road fund licence, tyres and even replacement vehicle facilities.
- **OPERATING LEASE.** Providing all the benefits of ownership, combining attractive low rental charges with the absence of any residual risk.
- **HIRE AND LEASE PURCHASE.** The ideal solution for clients requiring ownership of their vehicles.
- **FINANCE LEASE.** All the benefits of ownership with an added bonus - at the end of the lease arrangement you can claim 97.5% of the proceeds of the sale back by way of a rebate in rentals.
- ERF's skilled consultants offer free financial advice and will provide immediate quotations for whichever of our options you choose.

# Aftern

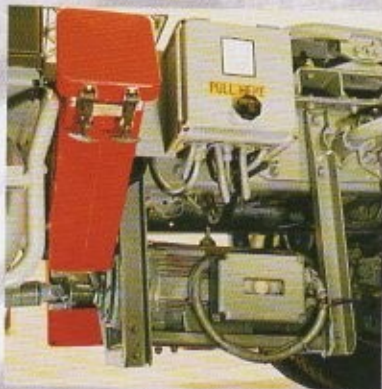
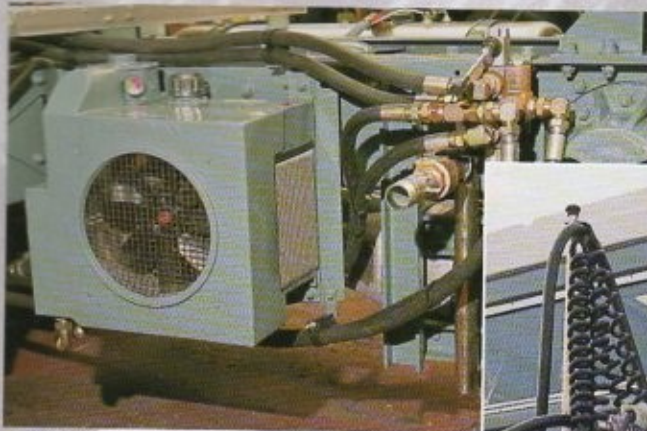
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market

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## On line specialist equipment.



ERF offers the widest variety of on-line fitted ancillary equipment such as PTOs, blowers, compressors, wet kits, 5th wheels, fuel tanks, air management and security systems. This total solution ensures that the vehicle - fitted with all the equipment necessary to do the job you want - is delivered to you covered by a single, whole vehicle warranty.

### ERF Road Ready Kits

Fixed or sliding fifth wheel and lead up ramps including 2 line hoses and couplings, ERF catwalk, trailer hook up, lamp, black plastic wings and anti spray mud flaps on drive axle.

# Ancill

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**Air management systems**

Fixed and adjustable air management systems with fixed or hinged side skirts.



Exterior storage locker.



Headlamp wash wipe and twin fog and spot lamps.



Vertical exhaust and high coupling bridge.



Cab and chassis painting to customer choice.



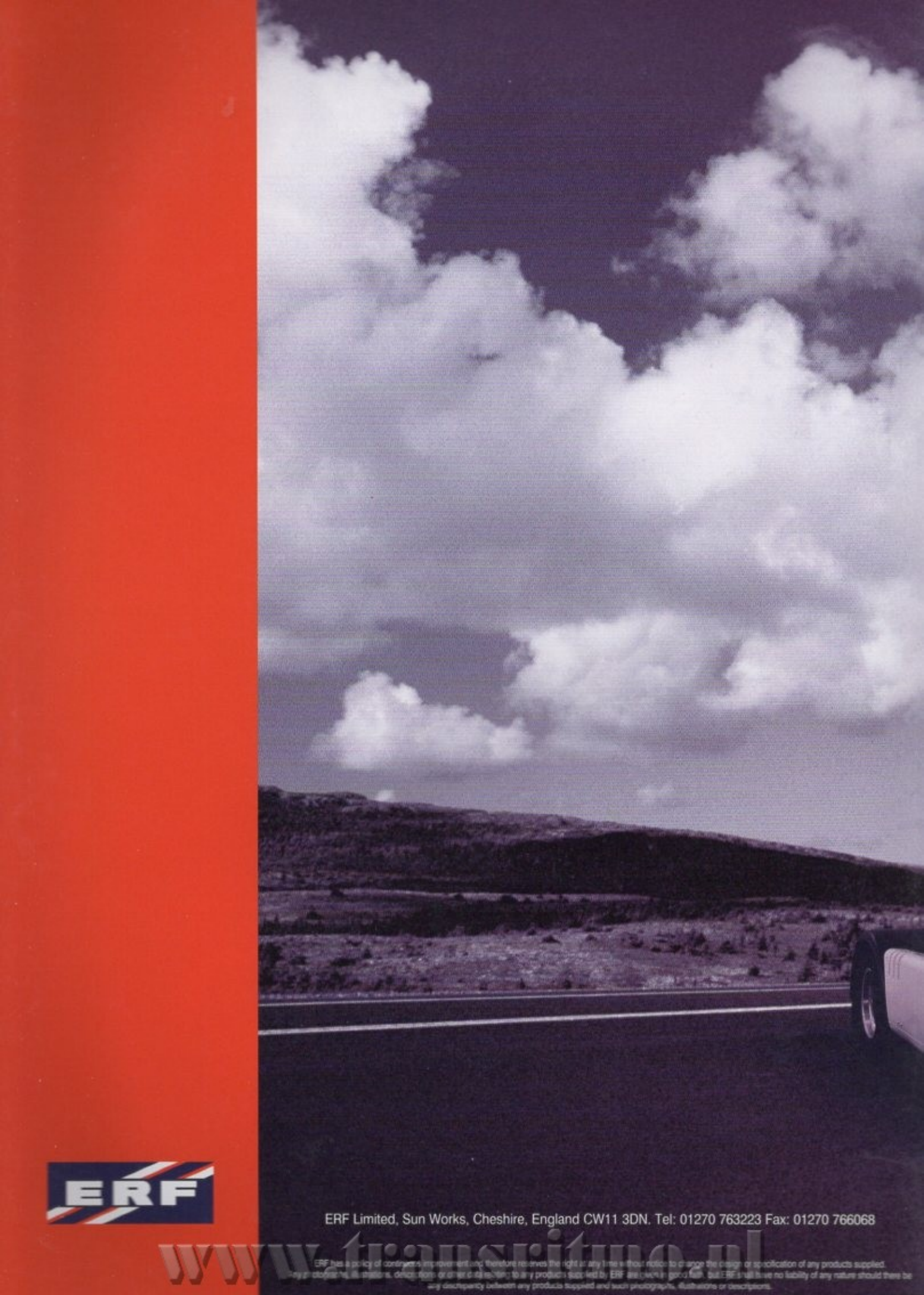
**A greater selection of optional cab and chassis equipment is available. Please ask your distributor for details.**



A full range of steel and alloy, single or twin fuel tanks.

# aries

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