

# TREXIA

## IC engine counterbalance trucks

7.0 – 16.0 tonnes



quality | reliability | value for money

 **MITSUBISHI**  
FORKLIFT TRUCKS

# We're here to help with the heavy lifting

Every day, all over the world, people rely on heavy-duty Mitsubishi forklift trucks. In the toughest working environments. With the biggest loads. Always against the clock.

You learn a thing or two when you've made as many trucks as we have.

**TREXiA**, our latest big truck range, builds on the successes of its predecessors – taking them forward into a new era.

We know that you operate in a demanding environment, that you value reliability, and that you expect exceptional performance – without compromise.

We know that your driver works best in a comfortable, intuitive working environment. We know that even routine maintenance is disruptive and that emissions standards are ever more stringent.

And **TREXiA** hears you.



## Trusted in the toughest working conditions



Stevedoring



Steel



Quarrying & Mining



Transport & Logistics



Building Materials



Wood & Forest Products



# TREXIA



## PURE, POWERFUL PERFORMANCE

The Mitsubishi TREXia range delivers three key advantages: a state-of-the-art drivetrain for exceptional power and easy maintenance; a quiet, comfortable and intuitive driving environment for maximum productivity and clean, simple emissions management.

# We make light work of heavy handling

Mitsubishi is renowned for its class-leading powertrains that deliver power on demand – with plenty in reserve. When it comes to precise hydraulic control and low maintenance, **TREXiA** doesn't disappoint.

At the heart of the powertrain, **TREXiA's** Perkins engine packs a real punch – delivering the power output of a much larger engine, while achieving full torque at low revs.

## Power under total control

Super-efficient, air-to-air charge cooled engines give **TREXiA** high power density and its characteristic responsiveness, while driving down fuel consumption even further.

**TREXiA EX** has power to spare – delivering a whopping 129 kW from its intelligent 4.4 litre Perkins 1204E engine – while the **TREXiA ES** features the economical 3.4 litre Perkins 854E.

Both models offer easy access for routine checks and engine management is fully integrated into the Mitsubishi Vehicle Control Module by CAN-Bus.

The transmission's **Power Take Off** feature transmits full power to the hydraulic pump and the parking brake circuit, without the drive gear losing any power.

Front-end attachments benefit from operating pressure to spare with 191 bar available on the ES range and a huge 206 bar on the higher capacity EX model.

So, if you're handling big loads, you can trust **TREXiA** to make light work of your day.



Perkins 1204E

Perkins 854E



TREXiA ES



Plenty of storage



Easy driver access



Excellent all-round visibility



TREXIA EX



Mechanically isolated ergonomic levers reduce vibration

## Expect productivity

Agility is a word that Mitsubishi designers use a lot and that **TREXiA** drivers recognise. It's the turn of speed when you need it, the smooth driving response that is always predictable. This, combined with unmatched vision, makes it one of the most productive machines on the market.

**TREXiA** is in a class of its own when it comes to tight spots. The 7.0 tonne **TREXiA ES** boasts an extremely compact wheelbase – just 2300 mm – for heavy handling in the smallest spaces.

Its big brother, the 10.0 -16.0 tonne **TREXiA EX**, is just as responsive and has three short wheelbase (2800 mm) models in its range.

A comprehensive selection of options includes all the application-specific front-end attachments you would expect, plus a range of cabins and seats.

Choose Mitsubishi legendary fingertip control or classic ergonomic levers – configured as you like it, there's a **TREXiA** that is exactly right for you.

## Being clean pays dividends



**TREXiA's EX's** advanced, low-maintenance after treatment regenerates the diesel particulate filter during day-to-day use – without the need for burn-off or chemicals. Designed for clean running and low maintenance, **TREXiA** meets the latest and most stringent emissions requirements, including EU Stage IIIB.



TREXiA EX

TREXiA ES



# A good place to work

Drivers are at their most productive when they're comfortable, so **TREXiA** gives them spacious, easy-to-enter cabs and cabins – where every control falls perfectly to hand and every display is clear.

It gives them a great view too. **TREXiA's** distinctive body curves are ingeniously designed to ensure exceptional forward and reverse visibility.

Mitsubishi designers understand that noise is a major contributor to driver fatigue, so every effort has been taken to keep things quiet and dampen vibration.

Inside, **TREXiA's** whole powertrain is fully floating and features a stabiliser system to further reduce vibration. Its hydraulic control valve – a common source of vibration – has been mechanically cut off from the cab and the driver.

## You hate downtime. So does TREXiA.



Routine checks and fluid top-ups are made quick and easy with **TREXiA's** RapidAccess design. The seat assembly tilts back effortlessly so the engine compartment is within easy reach. Meanwhile, intelligent engine management heads off trouble by recognising abuse. Further still, scheduled maintenance intervals and oil changes are more infrequent than ever.



TREXiA ES



The spacious, comfortable cabin of **TREXiA EX** shown here with optional fingertip control and cloth seat.

**Exceptional  
performance  
...exceptional  
economy**



Premium LED/LCD display panel



Automotive style controls



Powerful LED lighting



Easy three-point driver access

# TREXiA ES

## diesel counterbalance 6 wheel pneumatic tyres

7.0 tonnes

### options include

- Intuitive fingertip controls
- Full suspension cloth seat
- Cabin package with air conditioning and heater



Full suspension vinyl seat



Wide-range, quick return steering column



Hydrostatic steering eliminates kickback

**Built to combine exceptional lifting performance with money-saving fuel economy, the TREXiA 7.0 tonne diesel counterbalance is the ultimate forklift for demanding applications.**

At its heart is a turbo-charged, Stage IIIB compliant, four cylinder engine that delivers exceptionally high power while actually reducing particulates emissions and fuel consumption.

Highly intuitive to drive, **TREXiA** provides the precise, quiet and effortless performance that enables operators to maximise their potential, whatever the working environment. Year in, year out.

In short, it's everything you'd expect from a Mitsubishi forklift... and then some.

- **Rugged design** features heavy-duty frame – reinforced to minimise stress points during heavy lifting operations.
- **Low counterweight design** provides optimum visibility during reverse operations.

- **Fully enclosed wheel arches** protect vital components from dust – minimising risk of premature failure and minimising noise.
- **Robust mast construction** easily accommodates the stresses imposed by wide loads and offers exceptional visibility – protecting loads and colleagues.
- **Clean and lean running engine** exceeds emission requirements, for significantly reduced levels of particulate matter (soot) during operation while enhancing overall performance and reliability.
- **Turbocharged four cylinder engine** delivers the power of a 5.0L engine in a 3.4L package for reduced fuel consumption and increased efficiency.
- **Precise torque converter** together with compact turbocharger, allows delivers controlled yet powerful acceleration while driving up ramps and moving heavy pallets outdoors.

RapidAccess design assures quick and easy access to engine compartment.







Tool-free cyclone air filter access



Spherically bushed tilt cylinders



Excellent forward and rearward visibility

- **Responsive hydrostatic steering** provides precise handling with low driver effort.
- **Vacuum-boosted duo-servo auto-style brakes** ensure smooth and safe braking – with minimal operator effort.
- **Integrated Presence System (IPS)** provides parking brake alarm, seat belt, warning light and hydraulic and interlock system for added safety.
- **EngineProtect as standard continuously monitors and regulates RPM levels** – reducing power output when vital fluids are low to reduce risk of damage.
- **Full-suspension vinyl seat offers complete lumbar support** – keeping operators comfortable through the longest shifts.
- **Premium LED/LCD information panel** keeps operators aware of issues affecting performance – from fuel levels to fluid temperatures – encouraging good maintenance.
- **Low-noise design** features rubber-mounted components, fully insulated steel engine hood, helical gears and enclosed wheel arches for maximum operator comfort.
- **500-hour service interval** and long component life reduces downtime and its associated costs.
- **RapidAccess features** include quick-release floor and steel side panels – no tools required – for faster daily inspections.



Several cabin options are available for the whole TREXIA range. All feature front windshield and top panel with heating and defogging. A steel door option shown here.

**Engineered  
to perform  
...built to last**



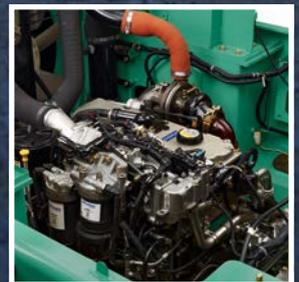
Fully adjustable steering column



Optional fingertip control unit



Easy three-point cab access



Easy engine compartment access

# TREXIA EX

## diesel counterbalance 6 wheel pneumatic tyres

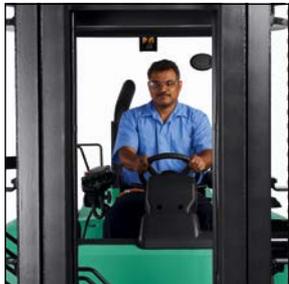
10.0 – 16.0 tonnes

### options include

- Intuitive fingertip controls
- Cab options

### capacities

FD100N	FD120N	FD135N	FD150N	FD160N
				
10.0 t	12.0 t	13.5 t	15.0 t	16.0 t



Uncluttered forward visibility



Optional full suspension cloth seat



Clear upward view



Ergonomically angled pedal controls

**Demanding applications can take a toll on your forklift trucks... and your budgets. That's why TREXIA EX 10.0 to 16.0 tonne diesel counterbalance trucks have been specially developed to deliver outstanding lifting performance and non-stop reliability.**

The secret to TREXIA EX's powerful performance is its twin-turbocharged, Stage IIIB compliant four-cylinder Perkins engine. It offers exceptional efficiency during acceleration – without reducing the truck's top speed of up to 32 km/h.

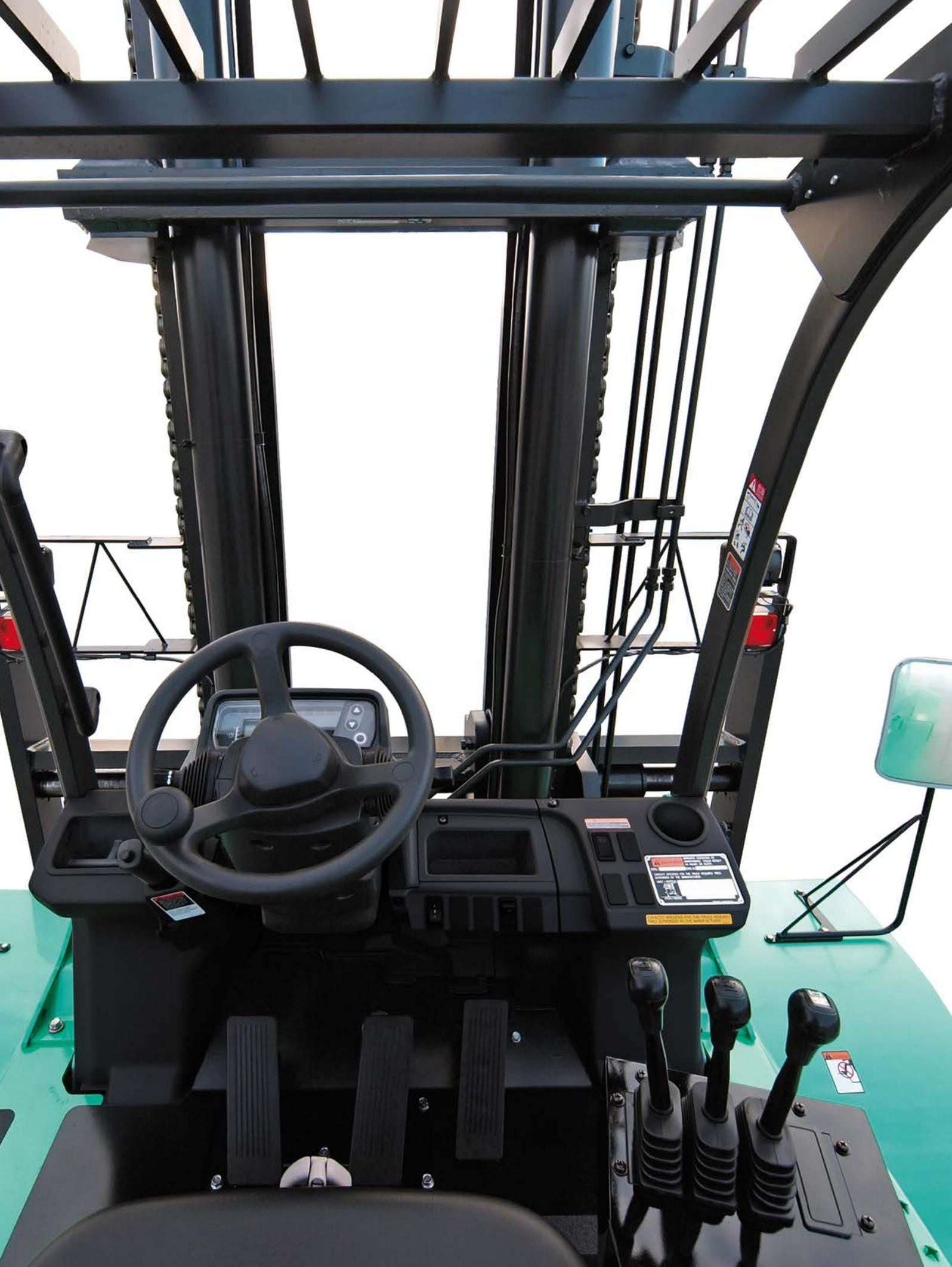
A forklift, however, is only as productive as its operator, so TREXIA EX is highly intuitive to drive – giving operators the precise, predictable and effortless performance they need to maximise their potential – whatever the environment.

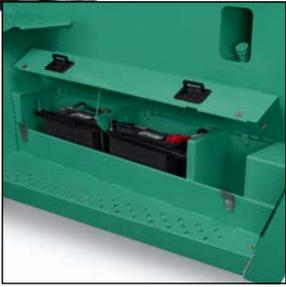
In short, it's everything you'd expect from a Mitsubishi forklift... and then some.

- **Optimal counterweight design** delivers ideal weight positioning, allowing for a shorter turning radius with maximum residual capacity.

- **Full-floating drive axle** increases load capacity for heavy-duty applications.
- **Robust steer axle** is all-in-one, ensuring exceptional strength and rigidity.
- **Heavy-duty steel frame** optimised by finite element modelling offers superior durability
- **Low centre of gravity** and rugged design result in higher residual capacity.
- **Low counterweight design** provides optimum visibility during reverse operations.
- **Fully enclosed wheel arches** protect vital components from dust – minimising the risk of premature failure and reducing noise.
- **High visibility mast** utilises narrow mast channels and slim lift cylinders to provide exceptional operator visibility.
- **Six-roller mast with side rollers** – as standard – ensures load stability, while keeping fork lift tips and load in full view.







Easy access to battery compartment



Robust component protection



Easy access to greasing points



Bright, recessed lighting unit

- **Easy-to-reach lubrication points** allow for easy maintenance.
- **Powerful four-cylinder Perkins engine** delivers 13% more fuel efficiency, compared with previous models.
- **Twin turbochargers** offer rapid response for maximal operator performance.
- **Low-maintenance diesel particulate filter** with passive regeneration features through-flow ceramic filter for efficient burning of particulate matter.
- **Large, easy-to-reach levers** give operators precise control of hydraulics – with minimum effort.
- **Intuitive fingertip controls** available as an option offers the ultimate in driver ergonomics and, if needed, can even be operated using heavy, protective gloves.
- **EngineProtect as standard** continuously monitors and regulates RPM levels – reducing power output when vital fluids are low to reduce the risk of damage.
- **Integrated Presence System (IPS)** provides parking brake alarm, seat belt, warning light and hydraulic and interlock system for added safety.
- **Small-diameter steering wheel**, with full hydrostatic steering assistance, ensures precise and rapid steering response – with very little effort.
- **Premium information display** keeps operators aware of issues affecting performance – from fuel levels to fluid temperatures – encouraging good maintenance.
- **Wide steps with grab handles** offers easy on/off access to the spacious operator's compartment – reducing operator fatigue and risk of slips, trips and falls.
- **Generous leg room** with tiltable steering column and adjustable full-suspension seat ensures a relaxed driving position for all operators.
- **RapidAccess features** include quick release floor and side panels – no tools required – for faster daily inspections.
- **Low-noise design** features rubber-mounted components, fully insulated steel engine hood, helical gears and enclosed wheel arches for maximum operator comfort.
- **500-hour service interval** and long component life reduces downtime and associated costs.



# Let us find you the perfect fit.

Confidence comes from knowing you have the right tool for the job. The same goes for your forklift truck.

Our diverse line-up of counterbalance and warehouse equipment makes sure you get the right truck every time – whatever the job.

Designed with your success in mind, our trucks deliver outstanding performance, innovations and safety.

They are ready to take on any job you give them, with a wide range of configurations so they meet your every need.

So let your local Mitsubishi dealer help you find the perfect fit today.



## Diesel Counterbalance Trucks



Powerful, reliable and precise, our 1.5 to 16.0 tonne trucks are friendly to everyone: the environment, your operators and your fuel economy, too



## LPG Counterbalance Trucks



Advanced in every way, our range of pneumatic and cushion tyre models deliver high efficiency and low emissions – a winning combination – indoors or out.



## Electric 3 Wheel Counterbalance Trucks



User-friendly, innovative and flexible, our three-wheel electric trucks deliver high performance – even in tight spaces and wet conditions.



## Electric 4 Wheel Counterbalance Trucks



Our four-wheel electric trucks are exceptionally powerful and easily cope with the toughest tasks and longest shifts – wherever you need it to be.





See Mitsubishi in action  
for yourself:



[www.mitforklift.com/videos](http://www.mitforklift.com/videos)

## Powered Pallet Trucks



These non-stop performers offer a huge range of transfer possibilities: from short shuttle work to applications which go the distance.



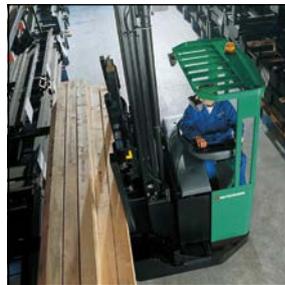
## Stackers



Compact and easy to use, our versatile stackers ensure high productivity – whatever the setting.



## Reach and Multi-Way Trucks



This versatile range of specialist trucks delivers the heights of productivity, reliability and manoeuvrability.



## Order Pickers



Working at heights up to 11.5 metres, our order pickers deliver highly efficient performance at all levels.



# You'll never work alone.

Mitsubishi materials handling equipment benefits from the huge resources, and cutting-edge technology of one of the world's largest corporations.

So when we promise you **quality, reliability** and **value for money**, you know it's a guarantee we have the power to deliver.

Every truck in our comprehensive, award-winning range is built keep on working for you... day after day... year after year... whatever the conditions... whatever the job.

As your local authorised dealer, we take that promise personally.

We are here to keep your trucks working - through out extensive experiences, our technical excellence and our commitment to customer care.

We are local experts, backed by efficient channels to the entire Mitsubishi Forklift Trucks organisation.

No matter where you are, we are close by - with the capability to meet your needs.

Only Mitsubishi gives you this combination of global engineering excellence and outstanding local support... only Mitsubishi offers you such a quality product at such an affordable price... and only Mitsubishi places reliability as high as you do in its priorities.



## Award-winning designs



reddot design award



Fork Lift Truck Association



Fork Lift Truck Association



Fork Lift Truck Association



Fork Lift Truck Association

The term 'Integrated Presence System' (IPS) is intended as a trading style, only to describe a number of design features on the Mitsubishi trucks to which IPS is applied. It does not imply that the truck can be driven without appropriate operator training and without due care and attention. The manufacturer (MCFE, Almere, the Netherlands) cannot accept any responsibility for any accidents or damage caused by incorrect or dangerous use of its equipment.

Performance specifications may vary depending on standard manufacturing tolerances, vehicle condition, types of tyres, floor or surface conditions, applications or operating environment. Trucks may be shown with non-standard options. Specific performance requirements and locally available configurations should be discussed with your distributor of Mitsubishi forklift trucks. Mitsubishi follows a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.

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