

# SENSIA Reach Trucks

and Multi-Way Reach Trucks

1.4 – 2.5 tonnes



quality | reliability | value for money

 **MITSUBISHI**  
FORKLIFT TRUCKS

# Act on instinct.

Working fast in a tight space. A tricky load from 13 metres racking. A high-pressure deadline with no room for error. One thing's for certain: driving a reach truck takes concentration.

That's why Mitsubishi designed **SENSiA** – a high performance truck where every aspect helps the operator to stop thinking about the controls, and focus on the job in hand. Literally.

In **SENSiA**, our industry-leading fingertip controls take another leap forward: responding naturally to the pressure of your touch. Progressive steering feels perfect at every speed, while acceleration, mast and cornering are familiar and smooth. It's simply instinctive.

Yes, the truck's state-of-the-art AC drive motor and hydraulics deliver impressive speed and lifting power in a compact, stable body. Yes, **SENSiA** has Mitsubishi's legendary build quality. And yes, this is our best mast yet.

But at Mitsubishi, we know a reach truck is only as productive as its driver. So we also built a spacious, easy-access cabin that's free from distractions, ensured great all-round visibility, and created a choice of custom drive modes to suit the operator's task, experience and skill.

The result? Drivers of every level feel confident and positive. They're free to concentrate. And that makes them efficient, productive, and safe.



## Total Driver Control

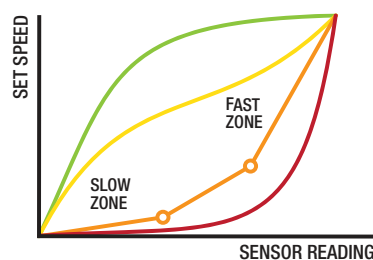
# SENSiA

A high performance reach truck is only as good as its driver. SENSiA responds naturally to the operator's touch – helping them make the most of its smoothness, manoeuvrability and power.



## Sensitive Drive System

On SENSiA, the accelerator pedal and fingertip control unit each benefit from our unique Sensitive Drive System (SDS). Popular with drivers for its intuitive 'feel', SDS senses whether the truck is being operated assertively or cautiously – and then delivers a smoothly modulated performance for that specific situation.



- Fast response to full speed
- Medium speed response profile
- Slow speed response profile
- Typical controller curve



# We asked companies across Europe what makes a great reach truck.

## This is the result.

In our biggest ever reach truck study, Mitsubishi talked to managers and operators at companies across eight different European countries.

They told us something crucial.

More than any other kind of materials handling equipment, reach trucks are a partnership of driver and machine. Skilled operators are an important investment, and managers work hard to protect them from the physical and mental stresses of a challenging job.

And we designed **SENSiA** to help.



The average reach truck operator mounts and dismounts the truck up to 100 times per day. So we made that easier and more comfortable: a lower seat position, ergonomic hand bars and a wide, no-slip step – with an adjustable steering console that folds neatly out of the way.

Then, once they're in the truck, we made everything comfortable, spacious and easy to adjust – to help them concentrate on the job, not the truck.

Finally, we introduced now-noise technology, so the sound at their ear level is no louder than a normal conversation.

With **SENSiA**, the driver can be as fresh and productive at the end of their shift as they were at the start.







## No costly distractions



Inside the wide open, easy-access cabin, everything is carefully designed to help the driver stay comfortable, focused and efficient – even during the longest shifts.

Pedals are shaped, positioned and angled to minimise ankle stress, while full adjustment of the ergonomic armrest and full suspension seat gives operators full control over their own driving position.

No annoyances. No aches. Just pure productivity.



# More power means more storage.

With powerful, AC motors, class-leading hydraulics and revolutionary mast design, **SENSiA** has the strength to lift bigger loads, to higher heights, than most other trucks its size.

Or, to put it another way, you can have a smaller truck than you thought.

That means aisles can be smaller, operating spaces tighter, and you can make the best use of the precious space you have available.

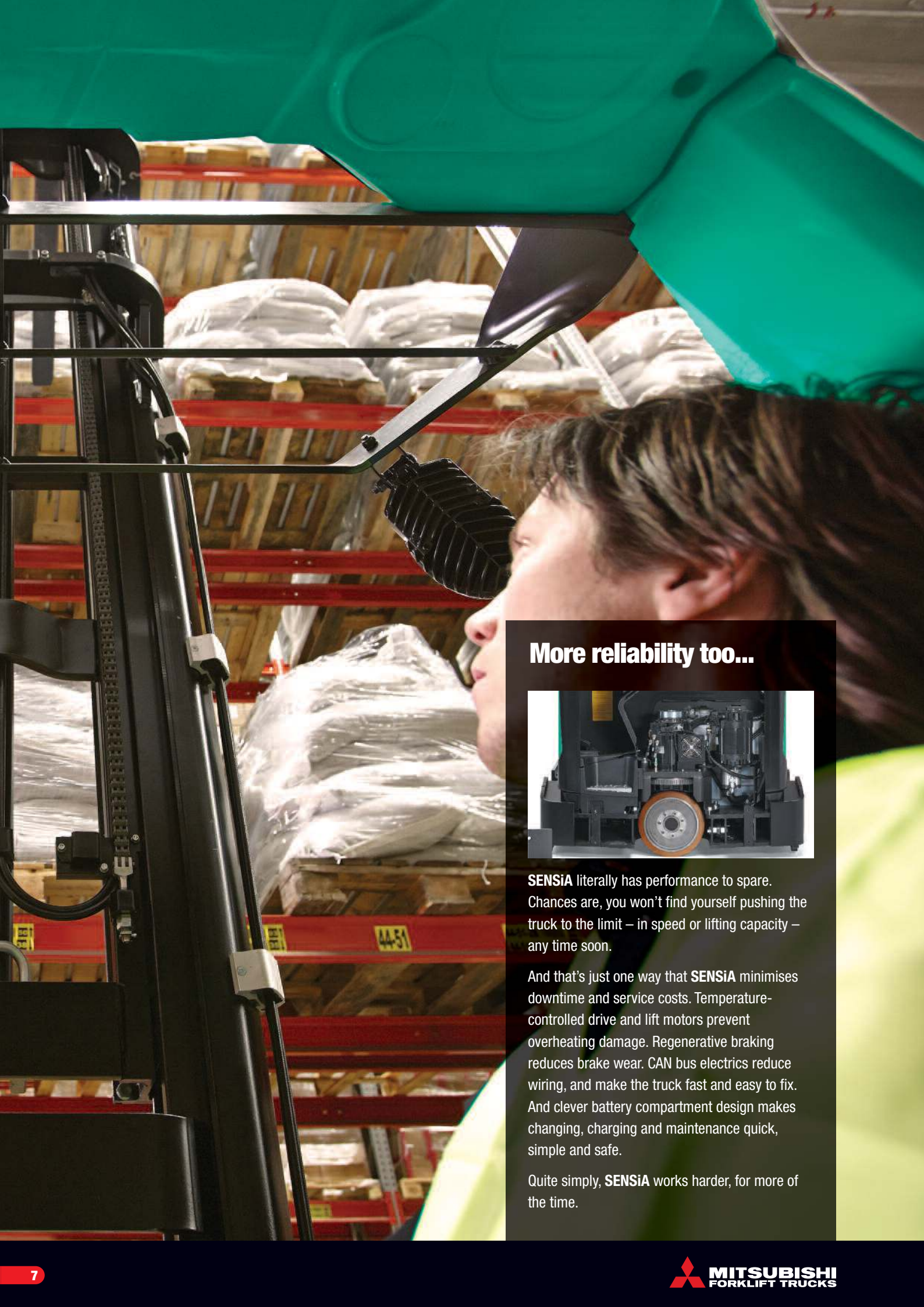
Of course, if that's not going to slow your operators down, you also need a truck that's nimble, and easy to manoeuvre with absolute precision. Oh, and great all-round visibility is a must, to give the clearest possible view of the truck, the load and the space available.

That's why **SENSiA** has unlimited, 360-degree electric steering, with a firm, progressive feel... and exceptional visibility through the revolutionary Visionmast, clear-view fork carriage and overhead guard and the open, uncluttered cabin. At any time, the operator knows exactly what's going on.

And the mast design doesn't just give great visibility. It's the strongest and most stable we've ever made – further enhanced with a choice of active (ASC) and passive sway control (PSC) systems for fast, accurate work at height... and the confidence to deliver.







## More reliability too...



**SENSiA** literally has performance to spare. Chances are, you won't find yourself pushing the truck to the limit – in speed or lifting capacity – any time soon.

And that's just one way that **SENSiA** minimises downtime and service costs. Temperature-controlled drive and lift motors prevent overheating damage. Regenerative braking reduces brake wear. CAN bus electrics reduce wiring, and make the truck fast and easy to fix. And clever battery compartment design makes changing, charging and maintenance quick, simple and safe.

Quite simply, **SENSiA** works harder, for more of the time.



# It's simply second nature.

When the pressure's on, the last thing an operator needs is to be battling with difficult reach truck controls. You need a truck that understands exactly what you want to do – and helps you deliver.

**SENSiA** responds to the driver's every touch, through revolutionary, patented fingertip controls with modulated pressure response. Like the truck can read your mind.

A clever F2 thumb button doubles the number of integrated functions – like optional side shift and tilt centring and pre-height selection – that can be used without even moving your hand.

And that's not all.

**SENSiA** lets managers match the truck's drive settings to the driver and task. PRO mode maximises performance



in the hands of an expert; ECO mode makes things simpler for inexperienced or part-time operators, while also prolonging battery life for a longer shift. And it's child's play for a service engineer to dial in custom settings of your own.

The full-colour driver display is visible from all angles, even in direct sunlight, and gives drivers simple, intuitive access to guidance, settings, warnings and alarms – reinforcing good practice, even at the busiest times.

It all adds up to efficient, mistake-free handling. Exactly when you need it.







## Smoothly does it...



Unlike most reach trucks, **SENSiA** has an extremely smooth transition – with no noticeable “knock” – between its mast stages; perfect for taking valuable or fragile loads safely to a height.

Drive movements are incredibly smooth, too, thanks to the Sensitive Drive System (SDS), while firm, progressive steering means **SENSiA** can be both nimble in the racking and reassuringly stable at speed.

There's no waiting for mast sway, either. You've a choice of **Passive Sway Control** and our award-winning **Active Sway Control** option, to get the load where it needs to be – quickly, and in once piece.







## Taking care of your driver... and your business



Clear, informative display



Low non-slip step



Tilting battery cover



Ergonomic hand bars

A warehouse can only perform as effectively as its trucks and their drivers. That's why every Mitsubishi reach truck is specially engineered to take any operator's performance to the next level.

With class-leading travel speeds of up to 14 km/h, **SENSiA** reach trucks are easily tailored to your needs with a choice of two performance modes. While experienced drivers will fully exploit the high-performance capability of the Professional (PRO) mode, new or inexperienced warehouse staff will respond to the Ecologic (ECO) mode which has been configured to work naturally and economically in any environment. For more specific needs, the truck's settings can be customised by a service engineer.












Generous on operator space and comfort, **SENSiA** drives productivity higher through its futuristic fingertip control system – the most sensitive and accurate in the world. With its progressive, modulated fingertip response curves, it delivers a 'feel' and an accuracy that put drivers in total control. Together with the ergonomic armrest, **SENSiA** ensures operators stay focused, safe and productive – even through the longest shifts.

- **Patented fingertip control system with modulated response curves** is optimised for natural movement – for precise, effortless control.
- **Revolutionary Visionmast** offers unrivalled forward vision and superb lifting ability.
- **Powerful AC drive motor** provides high torque, even at fast speeds, for rapid acceleration and smooth, quiet, controlled, efficient operation – and lowers service costs.
- **Choice of two driving modes (ECO and PRO)** tailors the truck's performance profile to your precise needs.
- **PRO mode** with high performance settings gives experienced operators complete control of the truck's efficiency and performance.

### options include

- Extra hydraulic valve and hosing to fork carriage
- Telescopic forks
- Camera with monitor
- Side shift and tilt centering
- Quick battery locking system, foot operated

### capacities

<b>RB14N2S</b>  1.4 t	<b>RB14N2HS</b>  1.4 t	<b>RB16N2S</b>  1.6 t	<b>RB16N2HS</b>  1.6 t
<b>RB16N2</b>  1.5 t	<b>RB16N2H</b>  1.6 t	<b>RB16N2C</b>  1.6 t	<b>RB16N2HC</b>  1.6 t
<b>RB20N2H</b>  2.0 t	<b>RB20N2X</b>  2.0 t	<b>RB25N2X</b>  2.5 t	











Folding steering wheel console



Ergonomic armrest controls



Comfortable pedal layout



Easy-access cabin

- **ECO driving mode** encourages natural, efficient operations – reducing charging costs.
- **High energy drive motors** and hydraulic systems deliver exceptional shift length between charges or changes.
- **Unlimited 360-degree electric steering** gives precise control with minimal effort.
- **High efficiency regenerative braking** means effective control and reduced brake wear.
- **Sensitive Drive System (SDS)** offers precise control of mast and truck behaviours for accurate, smooth and stable performance.
- **Passive Sway Control (PSC)** significantly reduces the risk of sway to safeguard lives and loads.
- **Award-winning, patented Active Sway Control (ASC)** available as an option offers further protection, reducing delays caused by mast sway, and ensures accurate, smooth and stable performance.
- **Maintenance interval calculator** encourages correct servicing, for optimum component life and minimum downtime.
- **Temperature control** in drive and lift motors and controllers – prevents damage from overheating.
- **Battery rollers** make changes quick, easy and safe.
- **Spacious and comfortable cabin, clear view and fast, accurate fork positioning** increases productivity and reduces risks of driver fatigue – even on the longest shifts.
- **Easy-access cabin** with ergonomic hand bars and low non-slip step provides safe and effortless entry.
- **Folding steering wheel console** with adjustment for column length and angle, lifts up for easy access and ensures optimum position for each driver.
- **Full-suspension, fully adjustable seat** keeps driver safe, comfortable and alert through the longest shifts. (Luxury seat with lumbar support, electrical height adjustment and air or mechanical suspension is available as option.)
- **Ergonomic armrest** matches driver's natural operating position and is fully adjustable – reducing fatigue.
- **Easy-to-understand display communicates key information to driver** including guidance, warnings and alarms – encouraging good practice.
- **Load wheel brakes** give extra braking power (H and X models only).



SENSIA







Pedestrian warning system



Super-clear heated windows



Easy-access controls



Ergonomic cabin



# SENSiA cold store cabin total comfort and control at $-35^{\circ}\text{C}$

Working in the sub-zero world of a cold store demands the very highest standards of visibility, reliability and comfort.

That's why our SENSiA Cold Store models have been designed to work productively and reliably – even in temperatures as low as  $-35^{\circ}\text{C}$ .

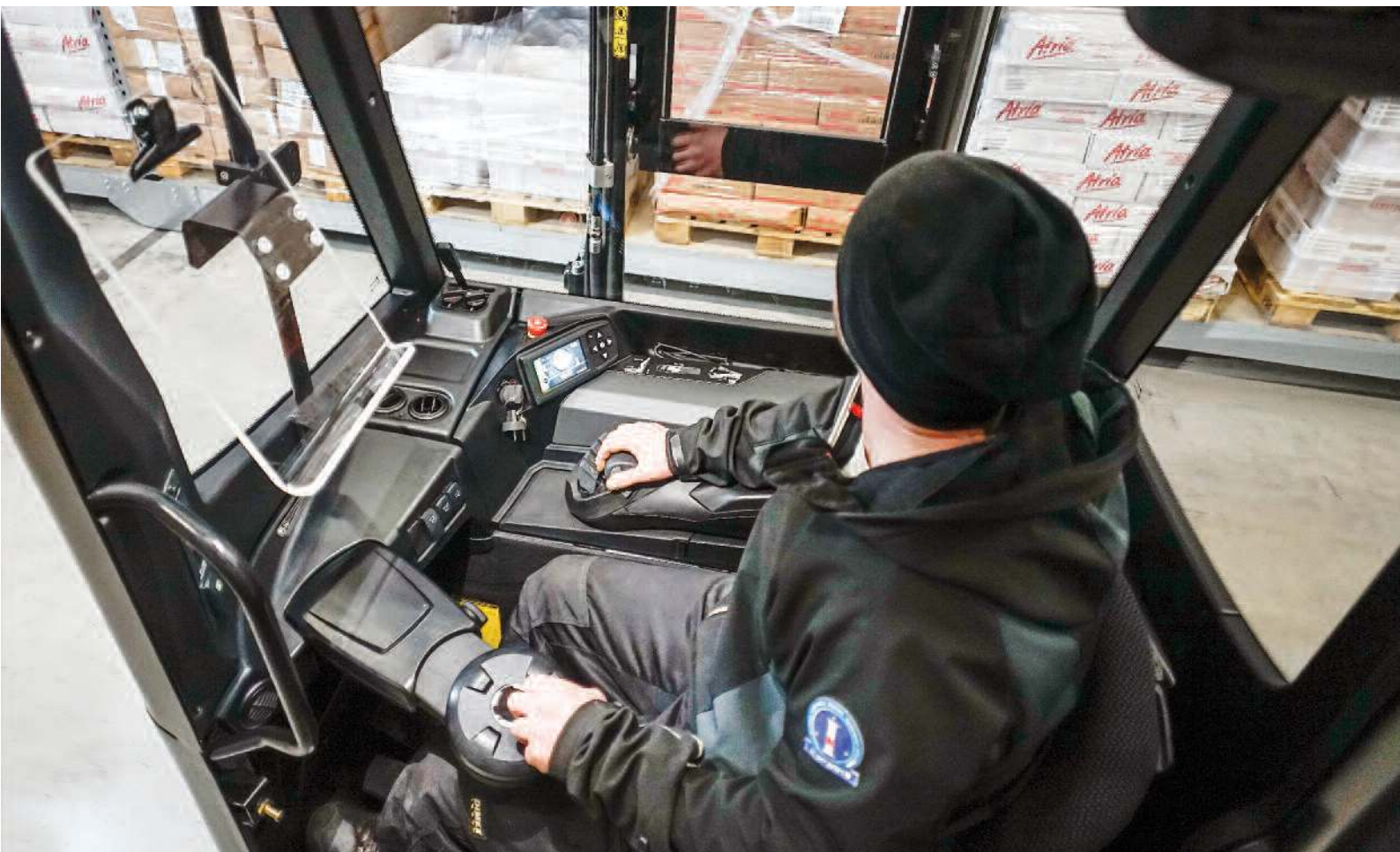
We started with the truck itself. From its cold-resistant cabling and waterproofed electrics to thermostatically controlled heaters for critical components and optimised hydraulics, SENSiA delivers – even in the harshest environments.

But a reach truck can only be as productive as its operator. So our well-insulated cold store cabins, available on all standard-sized SENSiA models, do much more than keep operators warm very efficiently.



Spacious by design, SENSiA's controls are within easy reach reducing the risk of fatigue. Offering 360-degree visibility, our rugged steel-frame cabins feature a hi-vis polycarbonate roof for an excellent upward view while protecting the operator against falling debris.

- **Energy-efficient cabin** is well insulated and features 1700 W heater, for operator comfort throughout long shifts.
- **Heated windows** protect against frost, misting and condensation for excellent visibility and safe, productive performance.
- **Rugged steel collision guard** reinforces protection to bodywork and door for optimal safety.
- **Spacious cabin** keeps controls within easy reach for maximum productivity.
- **Two-way intercom (option)** enables communication with the driver, without opening the cabin door.





**Pinpoint precision...  
in every direction**





# RBMK series

## Multi-way reach trucks

2.0 – 2.5 tonnes



Swing-open cab design



Featherlight hydraulic controls

These highly specialised trucks are designed to tackle the problem of handling long loads – such as pipes or timber – in very narrow aisles or other confined spaces. Their movement can be forward, backward, sideways, diagonal or rotational, as well as up and down. Together with convenient controls and full 360° turning of each wheel, this allows infinitely precise steering of the truck and pinpoint positioning of the load.

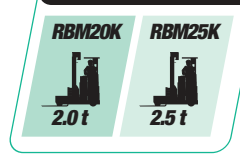
To optimise manoeuvrability, each support wheel has its own independent steering motor and braking system. Full programmability ensures that travel speed, acceleration and braking are suited to the application and operator.

- **Rapid lift and lower speeds** increase productivity.
- **High-frequency control unit for pump** ensures smooth, jolt-free performance for each individual hydraulic action.

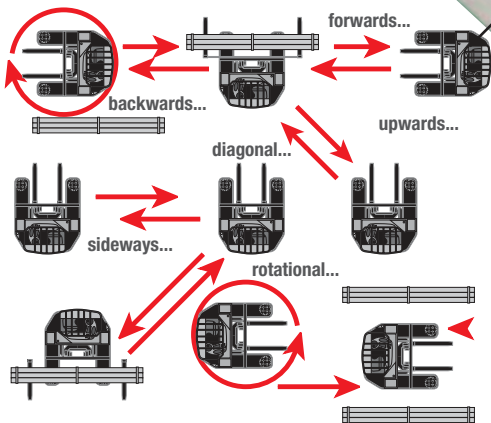
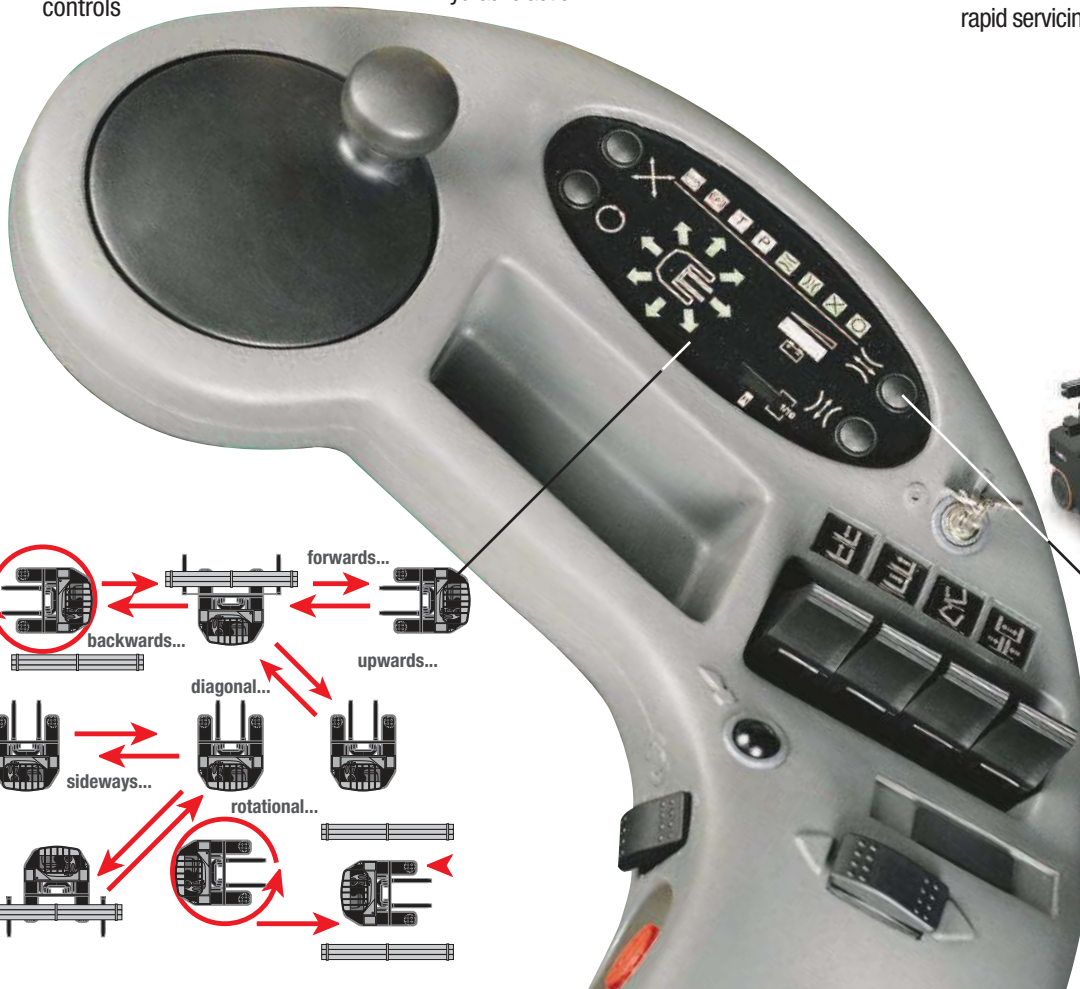
### options include

- Lift height indicator
- Lift height pre-selector
- Hinged elbow support
- Radio and loudspeakers
- Warning light
- Seat headrest

### capacities



- **Hydraulic fork spreader** is fitted as standard for efficient long-load handling.
- **Limitless 360° electric steering and feather-light hydraulic controls** ensure effortless operation, however long the shift.
- **Spacious, ergonomic cabin and smooth performance** allow operator to work in quiet comfort.
- **Clear-view mast with fork tilt and fork positioner** allows high visibility and precise positioning of loads.
- **Strong regenerative braking** speeds up work cycles, extends battery life and protects components from premature wear.
- **Built-in diagnostics and fault memory** mean fast troubleshooting and minimum downtime.
- **Swing-open cab design** gives total access for rapid servicing and repair.



### modes

- Normal Travel
- Sideways Travel
- Diagonal Travel
- Rotation



# 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 our 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



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.

WEBM1786 (05/16) © 2016 MCFE Printed in The Netherlands  
mitforklift@mcf.nl www.mitforklift.com