

MOVE THE WORLD FORWARD  MITSUBISHI  
HEAVY  
INDUSTRIES  
GROUP

AXIA



# STACKERS

WHEN  
**RELIABILITY** IS  
EVERYTHING...

 **MITSUBISHI**  
FORKLIFT TRUCKS



# SMARTER DESIGN

## AXiA is certainly no one-trick pony.

**Built for swift travel over longer distances, our stackers are an excellent, cost-effective choice for fast and safe pallet handling.**

Whether you're doing demanding handling in the warehouse or intense work in the loading bay, **AXiA** is with you every step of the way.

Packed with features, **AXiA** is the ideal combination of strength, speed, and smart thinking to keep everything as efficient as can be.

We don't do gimmicks. We don't add features to look good on a spec sheet. We focus on real-world problems and real-world operations.

Intuitive controls and performance that can be quickly matched to a user's skill level?

Naturally.

Working in narrow spaces? That's why we've made **AXiA** models as compact as possible with a tight turning radius.

And they may be compact, but they're tough enough to stick with you through any number of challenging shifts.

Worried about downtime? A sealed, water-resistant chassis and easy access maintenance points mean that repairs (should they be needed) and servicing are speedy and straightforward with minimal hassle.

Some may say that versatility means making compromises. Not with **AXiA**. It may be versatile, but you'll never find it coming up short.







AXiA ES • SBP16N3I



# STACKERS

**Compact, robust, and extremely versatile, stackers are a practical, cost-effective choice for swift travel over longer distances and when working in tight spaces.**

Stackers are broadly similar to powered pallet trucks and can often share similar chassis and features, but the addition of a mast extends their capabilities upwards, meaning they can be used for horizontal transport of loads as well as vertical stacking.

The extensive range includes pedestrian-operated, stand-in and, sit-on models — all with compact dimensions and unrivalled, intuitive performance and excellent value.

With capacities up to 2 tonnes, stand-in and sit-on stacker models are a lower-cost option when lifting up to 7m as reach trucks can often be over-specified for these jobs.



AXiA EX • SBR16N2



AXiA EX • SBR20N2



AXiA ES  
SBP10-16N3(I)(R)(S) & SBP12N2C Series



AXiA EX  
SBS16-20N2 Series





AXiA EX · SBR20N2



## ERGOSTEER TILLER HEAD

Best-in-class, weather-protected and impact resistant. Large, easy-to-reach rocker buttons are placed at a patented ergonomic distance for reduced fatigue and safer operation. IP65-rated.

### FEATURED ON

AXiA ES  
AXiA EM



### FEATURED ON

AXiA EX Stand-in  
AXiA EX Sit-on



## INTELLIGENT CORNERING SYSTEM



Helps prevent dangerously fast cornering using intelligent speed reduction from the moment the truck enters the turn, rather than kicking in harshly midway.

Sensing the angle of a turn, speed is dynamically reduced at the start of and throughout the turn for smoother, safer, and more consistent cornering.

## 360-DEGREE STEERING

Allows smooth turning without the 'pause' of a 3-point turn. It not only saves time in each and every turn — which adds up over the length of a shift - but puts less force on the load. This makes for quicker, safer, and more stable operation.





# LI-ION BATTERY SYSTEMS

Tried, tested and proven in the field, lead acid batteries have been the long-standing top choice for companies employing electric lift trucks. However, with long charging times, demanding maintenance requirements, the need for extra batteries and high risk of operator misuse, they can be a challenge. Fortunately, there's a new battery system on the block: Li-ion from Mitsubishi Forklift Trucks.

Designed to meet your business' demands - including multi-shift (24/7) operations — without the need for spare batteries, our high-performance Li-ion battery system is up to 30% more efficient than lead acid counterparts. Plus, it's virtually errorproof, thanks to its ultra-low-maintenance design.



## ENHANCED STABILITY SYSTEM (ESS)

As well as the high-stability chassis design, additional systems are in place to automatically reduce acceleration during sharper turns and reduce drive speed when forks are above 1.7m.

### FEATURED ON

AXiA EX Stand-in  
AXiA EX Sit-on



AXiA ES • SBP12N3



# LOWER COSTS, SAFER WORKING

If you are looking to optimise your warehouse space, stand-in and sit-on stackers are a versatile, cost-effective choice.

## THE CONCEPT

- **Compact:** minimal dimensions, tight turning radius, and a well-protected driver.
- **Ergonomic:** for shorter transports a standing driver is mobile and more active. For longer trips, sitting helps to take the strain. The right truck for the job means less risk of injury or fatigue.
- **Low Cost:** Faster than a conventional stacker — more pallets moved per hour and a lower Total Cost of Operation.



AXiA EX • SBS16N2



## EFFICIENT PERFORMANCE IN EFFICIENT SPACES

With a 10% more efficient use of floor space and lift heights up to 7m, a warehouse designed around sit-on or stand-in stackers will save you around a third in costs per pallet position vs a warehouse layout designed for pedestrian stackers. As aisles can be both narrower and taller, space can be fully optimised with much higher pallet density. The compact design may even allow for two-way traffic in aisles, which even gives an advantage over reach trucks working in similar spaces.



# STAND-IN/SIT-ON VS PLATFORM/PEDESTRIAN STACKERS

**Stand-in and sit-on stackers have notable advantages in production environments due to a higher travel and lifting speed and small turning circle. Factoring in operator costs, moving more pallets per hour will significantly reduce the total cost of operation.**

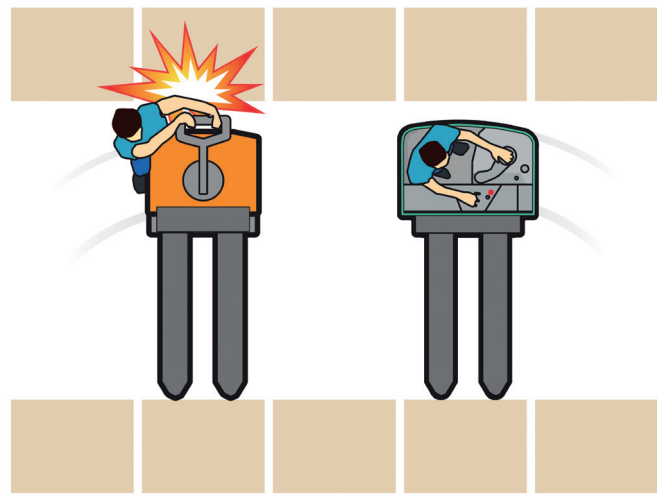
And accident statistics for pedestrian stackers can be worryingly high. With heavy loads and an operator on foot — unprotected — there is often a risk of a serious leg or foot injury. With stand-in and sit-on stackers completely enclosing the operator, they are far more shielded from injury and impacts.

In many operations, reach trucks can be an over-specified solution. When you step back and look at what is actually needed you may find that even a light reach truck may be more than is required and in a lot of cases a stand-in or sit-on stacker could prove to be a better option, particularly if storage heights in the warehouse don't exceed 7m.

6-7m is an ideal storage height for a warehouse in terms of volume, handling time, and the driver's ability to retrieve pallets from the top shelf. When your work is in these conditions, a reach truck may

be 25–50% more expensive for the same handling results. Overall it makes for a smarter, safer choice, with a lower TCO and faster ROI than the alternatives.

This illustration shows the advantages of these stackers in narrow aisles. A pedestrian stacker would require the operator to move out the way or risk getting caught between the rear of the truck and the racking behind.



## ERGONOMICS

AXiA EX stackers are designed for intensive and varied handling, often on a shift basis. To support this, flexible ergonomics are at the core of the design, making them quick and simple for operators of all sizes to set their own ergonomic ideal. All controls are intuitive and easily accessible from a normal, relaxed driving position. The optional Ergo Forks Trailing Control on stand-in models allows the driver to face the direction of travel when working with forks trailing instead of having to twist their body at an angle.





AXIA ES · SBP12N3



# AXiA ES

## SBP10-16N3(I)(R)(S) & SBP12N2C Series

Pedestrian Stackers

1.0–1.6 tonnes



Easy-to-operate tiller arm



Initial lift



Folding platform & side stabilisers



Wide straddle

The compact AXiA ES stacker range has the shortest chassis on the market, allowing it to work in extremely narrow aisles so you can get the most out of your storage space. Unaffected by dirt, debris, dust and water thanks to its sealed protective chassis and waterproof components (rated to IP54), the AXiA ES will work dependably indoors or out with minimum maintenance.

AXiA ES offers two operating modes. ECO mode is suitable for new operators as it limits speed for smooth movement. PRO mode supports faster speeds for optimum performance and productivity.

Controls are located on both the left and right sides of the market-leading ErgoSteer tiller head, making the truck safer and easier to operate, with less fatigue over a shift.

- **Parking brake**  
Automatically activated when necessary for extra safety on ramps.
- **Powerful AC drive motor**  
Excellent traction and ramp performance, smooth, quiet, controlled operation, extended shift length and lower maintenance requirements.

MODEL	CAPACITY	MODEL	CAPACITY
SBP10N3	1000 kg	SBP14N3R	1400 kg
SBP10N3R	1000 kg	SBP14N3IR	1400 kg
SBP12N3	1200 kg	SBP16N3	1600 kg
SBP12N3I	1200 kg	SBP16N3I	1600 kg
SBP12N3R	1200 kg	SBP16N3R	1600 kg
SBP12N3IR	1200 kg	SBP16N3IR	1600 kg
SBP12N2C	1250 kg	SBP16N3S	1600 kg
SBP14N3	1400 kg	SBP16N3SR	1600 kg
SBP14N3I	1400 kg		

- **Sealed transmission**  
Shock-resistant, quiet and requires little maintenance.
- **Programmable controller**  
Acceleration, speed and braking can be adjusted to suit the application and operator's preferences.
- **Battery discharge indicator**  
Fitted as standard for battery protection and preventing deep discharge.
- **Battery rollers**  
Changing batteries is quicker, easier, and safer.
- **Li-ion battery**  
Fast charging — removing the need for extra batteries. (Optional)
- **Robust forks**  
Strong welded construction with rounded tips for effortless pallet entry.



AXiA ES • SBP12N3







AXiA ES · SPB16N3R



# AXIA ES

## SBP10-16N3(I)(R)(S) & SBP12N2C Series

Pedestrian Stackers

1.0–1.6 tonnes



Side stabilisers



Multifunctional display  
(SBP12N2C)



Tiller head



Castor wheels

- **Tapered forks**  
Access to pallets in racks or block stacks is easier, quicker and safer.
- **Low centre of gravity**  
Operation is safer and more stable.
- **Low to the ground**  
Ground clearance is only 20mm so there is no risk of foot trapping.
- **Operate in low temperatures**  
Can be used for cold storage applications in temperatures as low as -10°C with sealed components impervious to condensation.
- **Sealed chassis**  
Internal components are protected against water, dirt, dust and debris, reducing downtime and servicing.
- **Water-resistant design**  
Water is kept away from key electrical parts for safety and longer part life.
- **Choice of two pre-set operating modes (ECO and PRO)**  
Enabled via key switch to enhance safety, energy efficiency and productivity.
- **Side stabilisers**  
Aids the truck in lifting higher capacities at higher lift heights. (Option)
- **Ergonomic ErgoSteer tiller head**  
Best-in-class, weather-protected and impact-resistant tiller head with large, easy-to-reach buttons placed at a patented ergonomic distance for reduced fatigue and safer operation. IP65 rated.
- **Left-handed or right-handed controls**  
The tiller arm's versatile design allows for operation from either side.
- **Micro-computer**  
Includes hour meter, battery indicator and cut out.
- **Small turning circle**  
Combine this with the compact chassis and operation is possible in tight areas allowing for optimised use of warehouse space.
- **RapidAccess features**  
These allow quick and easy entry to all areas for checks and maintenance.



AXIA ES • SBP12N3





AXiA EM • SBV16N3



# AXiA EM

## SBV/SBF12-16N3(R)(S)(I) Series

Platform Stackers  
1.25–1.60 tonnes



Ergonomic ErgoSteer tiller head



Foldable side bars (Option)



Initial lift

The compact and versatile AXiA EM 1.25 and 1.60 tonne platform stacker series is the perfect choice for high level stacking applications, order picking, and transport operations in narrow spaces.

The series is available in foldable platform models with optional sidebars for use in narrow spaces, fixed platform rear entry models for fast operations where maximum operator protection is required, and fixed platform side entry models for easy on-off access on both sides for picking applications.

AXiA EM has a sturdy 4-point chassis where the drive system is designed to increase traction and stabilisation proportional to the load. This keeps the truck consistently stable for safe, productive performance and confident operation.

Plus, a choice of modes (Easy, ECO & PRO) allows users of all skill levels to work to the best of their abilities.

- **Ergonomic ErgoSteer tiller head**

Best-in-class, impact-resistant tiller head with large, easy-to-reach buttons placed at a patented ergonomic distance for reduced fatigue and safer operation. IP65 rated.

MODEL	CAPACITY	MODEL	CAPACITY
SBV12N3	1250 kg	SBV16N3	1600 kg
SBF12N3R	1250 kg	SBF16N3R	1600 kg
SBF12N3S	1250 kg	SBF16N3S	1600 kg
SBV12N3I	1250 kg	SBV16N3I	1600 kg
SBF12N3IR	1250 kg	SBF16N3IR	1600 kg
SBF12N3IS	1250 kg	SBF16N3IS	1600 kg

- **Compact, robust chassis**

Built for intensive operations, with great inherent strength and high residual capacities. Narrow and compact, the truck excels in small spaces.

- **Controlled Cornering System**

The truck senses both the velocity of the steering and the angle of a turn and reduces speed early for maximum stability and accurate, positive cornering.

- **Choice of three operating modes (PRO, ECO and Easy)**

Different driver modes: PRO for advanced drivers, ECO for low energy consumption, Easy for sensitive goods or beginners.

- **Initial Lift**

This allows for better ground clearance on ramps, inclines, and uneven floors, and allows for double pallet handling. (I models only)



AXiA EM • SBV16N3







AXIA EM • SBV16N3



## SBV/SBF12-16N3(R)(S)(I) Series

Platform Stackers  
1.25–1.60 tonnes



Conventional tiller arm



Power steering



Pivot steering

- **Conventional tiller arm**  
The standard mechanical steering option offers easy steering for low-intensity work. The design of the linkage system allows for a more compact, optimised arm than most stackers.
- **Power steering**  
Power steering allows for a short tiller arm with a reduced steering angle for comfortable, precise control and smooth cornering. (Option)
- **Pivot steering**  
Electric-powered steering without arm offers less operator fatigue in combination with the ergonomic platform. (Option)
- **High stability design**  
Traction, dampening and stability are all optimised to work in close harmony and produce unequalled drivability and stability — particularly beneficial when stacking.
- **Foldable side bars**  
High, cushioned ergonomic side bars can be moved up or down and can be quickly switched to suit different operations. (Option)

- **Adjustable EasyRide electric damping**  
Unique electric damping capability allows operator to adjust the platform to their weight or preference — ideal for applications on ramps, uneven floors, and working over long distances. (Option on platform trucks).
- **Built-in Li-ion battery**  
Fast opportune charging removes the need for extra batteries and allows 24/7 operation. (Option)
- **Operator Presence Sensor**  
This locks all movement of the truck and its mast if the operator is not present.
- **Creep speed function and tiller-up drive**  
Both help to maximise safety and control in confined spaces.



AXiA EM • SBF16N3IS





AXiA EX • SBR16N21



Ergonomic handle with drive control



Adjustable steering wheel



Comfortable armrest



Writing desk



# AXIA EX

## SBR12-20N2(I)(S) Series

Stand-in stacker  
1.2–2.0 tonnes



Side stabilisers



Dashboard protection accessory rack (mini)



Adjustable armrest storage



Monitor

If you are looking to maximise the efficiency of your warehouse space, stand-in stackers may be the perfect choice for you. With minimal dimensions, tight turning, fast drive and lift performance, and excellent operator protection, they're an affordable and flexible alternative to VNA or reach truck solutions. By keeping the driver completely — and safely protected — within the truck, they can manoeuvre in much smaller aisle width.

Designing a warehouse around stand-in stackers is up to 35% more efficient from a space point of view compared to pedestrian stackers, typically lowering the cost per pallet position by a third. The compact profile also potentially allows for two-way traffic in aisles vs a reach truck, allowing for increased productivity.

And standing is the most efficient position for an operator from a working point of view, easily allowing them to frequently step on and off throughout a shift. There is ample space to work while still offering excellent all-round protection while working, and by being entirely within the truck they are better protected against collisions.

MODEL	CAPACITY	MODEL	CAPACITY
SBR12N2	1250 kg	SBR16N2I	1600 kg
SBR12N2I	1250 kg	SBR20N2	2000 kg
SBR16N2	1600 kg	SBR20N2I	2000 kg

- 360-degree steering (option)**  
 The operator can keep the truck in constant motion - saving seconds on every turn.
- Intelligent Cornering System**  
 The truck senses the angle of a turn and reduces speed early for maximum stability and accurate, positive cornering.
- Automatic Speed Reduction**  
 Drive speed is automatically limited when forks are above 1.7m to allow higher capacities above that height.
- 8 km/h standard speed (option 10 km/h)**  
 Higher productivity is available if needed.
- Built-in Li-ion battery (junior chassis only)**  
 Fast opportune charging removes the need for extra batteries and allows 24/7 operation.
- Ergo Forks Trailing Control (option)**  
 When working with forks trailing, an additional speed control allows an operator to stand in a more comfortable and ergonomic forward-facing position while travelling.







AXiA EX SBS16N2



Side Stabilizers



Panoramic ProVision roof



Adjustable floor plate



Mini steering wheel with floating armrest



# AXiA EX

## SBS16-20N2 Series

Sit-on stacker  
1.6–2.0 tonnes



Level assistance system (LAS)



Battery extraction



12V DC Power Socket



Initial lift

The AXiA EX sit-on stacker is a flexible and cost-effective choice for stacking and internal transport in warehousing, manufacturing, and anywhere else safe, productive stacking is required. Platform stackers are more commonly used for these tasks but with an aisle width (AST) requirement of 2.8m (vs 2.5m on the AXiA EX) and lift heights of only 5.4m (vs 7m for the AXiA EX), it's easy to see where the sit-on stacker presents an opportunity to make much better use of space.

Many businesses will also use reach trucks for stacking tasks where even a light reach truck may be over-specified for the job and require an AST of 2.7m or more. If the work requires lifting to 7m or less, the AXiA sit-on stacker makes for an excellent low-cost alternative. The optional side stabilizers allow for easier lifting of heavy loads to height, with capacities not far from more expensive reach trucks.

- **High-efficiency regenerative braking**  
This gives more effective control and reduces brake wear.
- **Intelligent Cornering System**  
The truck senses the angle of a turn and reduces speed early for maximum stability and accurate, positive cornering.

MODEL	CAPACITY	MODEL	CAPACITY
SBS16N2	1500 kg	SBS20N2	2000 kg
SBS16N2I	1500 kg	SBS20N2I	2000 kg

- **Automatic Speed Reduction**  
Drive speed is automatically limited when forks are above 1.7m to allow higher capacities above that height.
- **High travel speeds**  
Boosted productivity with optional top speed of up to 12 km/h (load trailing)
- **Built-in Li-ion battery**  
Fast opportune charging removes the need for extra batteries and allows 24/7 operation. (Junior chassis only).
- **Enhanced Stability System (ESS)**  
4-point chassis for maximum stability, drive speed is reduced when forks are lifted over 1.7m, and acceleration is reduced when steering angle exceeds 45 degrees.
- **Initial Lift**  
Can be used as a double pallet handler. (Option)
- **360-degree steering**  
The operator can keep the truck in constant motion - saving seconds on every turn. (Option)
- **Mini steering wheel with floating armrest**  
Ergonomically adjustable to reduce strain and lower risk of RSI.
- **High-efficiency regenerative braking**  
This gives more effective control and reduces brake wear.



# 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 Forklift Trucks distributor find you the perfect fit today.



## Diesel forklift trucks



GRENDiA ES

Powerful, reliable and precise, our 1.5 to 10.0 tonne **GRENDiA** and **TREXiA** trucks are friendly to everyone: the environment, your operators and your fuel economy, too.



GRENDiA EX

## LPG forklift trucks



GRENDiA ES

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



GRENDiA ES

## Electric 3-wheel forklift trucks



EDiA EM

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



EDiA EM

## Electric 4-wheel forklift trucks



EDiA EX

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



EDiA XL





See Mitsubishi Forklift Trucks in action for yourself



[www.mft2.eu/youtube](http://www.mft2.eu/youtube)

## Powered Pallet Trucks



PREMiA ES

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



PREMiA EM

## Stackers



AXiA ES

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



AXiA EX

## Reach and Multi-Way Trucks



SENSiA EX

Our **SENSiA** range of reach and multi-way trucks deliver the height of productivity.



SENSiA ES

## Order Pickers



VELiA ES

Working at heights up to 10.5 metres, our **VELiA** order pickers deliver highly efficient performance at all levels.



VELiA EX



# WHEN RELIABILITY IS EVERYTHING...

Like any product bearing the Mitsubishi Forklift Trucks name, our materials handling equipment benefits from the tremendous heritage, huge resources and cutting-edge technology of one of the world's largest corporations – Mitsubishi Heavy Industries Group.

Engineering spacecraft, jet planes, power plants and more, MHI specialises in those technologies where performance, dependability and superiority decide your success or failure...

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

## YOU'LL NEVER WORK ALONE

As your local authorised distributor, we are here to keep your trucks working — through our extensive experience, our technical excellence and our commitment to customer care.

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

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



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.

We follow a policy of continual product improvement. For this reason, some materials, options and specifications could change without notice.

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WEBM2335 (04/23)



Mitsubishi Logisnext Europe B.V.  
Hefbrugweg 77, 1332 AM Almere,  
The Netherlands  
Tel +31 36 54 94 311

[info@mitforklift.com](mailto:info@mitforklift.com) | [www.mitforklift.com](http://www.mitforklift.com)

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