

EDiA EM

FB14-20(C)N2T Series

ELECTRIC COUNTERBALANCE

1.4–2.0 TONNES | 48 VOLTS | AC POWER



**WHEN
RELIABILITY IS
EVERYTHING...**

 **MITSUBISHI**
FORKLIFT TRUCKS

EDiA EM

FB14-20(C)N2T Series

INTELLIGENT PERFORMANCE
INCREDIBLE PRODUCTIVITY

ELECTRIC COUNTERBALANCE

1.4– 2.0 tonnes

3 wheels

48 Volts | AC Power

Model	Load capacity
FB14N2T	1400 kg
FB16CN2T	1600 kg
FB16N2T	1600 kg
FB18CN2T	1800 kg
FB18N2T	1800 kg
FB20N2T	2000 kg

Smart. Safe. Agile. **EDiA EM** is a lot of truck in a compact package. Legendary Mitsubishi Forklift Trucks engineering, exceptional ergonomics, and cutting edge technology - like **AutoBoost** and **Sensitive Drive System+ (SDS+)** - combine to make **EDiA** a favourite of drivers and businesses alike.

These electric trucks offer unmatched manoeuvrability for efficient, highly productive working with incredibly tight steer angles - including the option of time-saving 360-degree steering on the three-wheel models.

The intelligent systems at the heart of the truck work to perfectly match the driver, offering precise, consistent performance that's tailored to the individual operator.



reddot award 2019
winner

**JUST DRIVE.
THE MOMENT YOU SLIDE BEHIND
THE WHEEL, EVERYTHING SIMPLY
FEELS RIGHT.**

THE MITSUBISHI EDiA RANGE ELECTRIC COUNTERBALANCE

Everything about **EDiA** inspires confidence. And that's powerful. Because confidence makes you productive. Every feature is designed to help you focus on putting the truck, and the load, in precisely the right place.

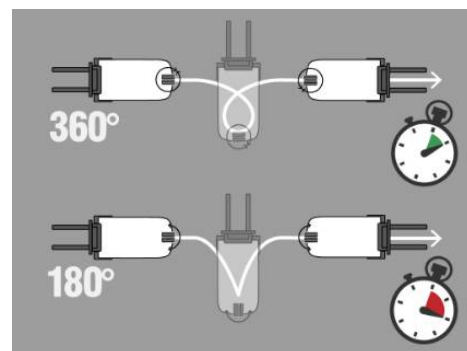
And with low maintenance, class-leading efficiency and our famous reliability you can keep on doing it. Time after time after time. It takes a manufacturer with the experience of Mitsubishi Forklift Trucks to make a forklift feel this much like home.



POPULAR FEATURES

360° 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.



AutoBoost

The truck senses when power is needed, and will automatically activate acceleration and torque boosts.



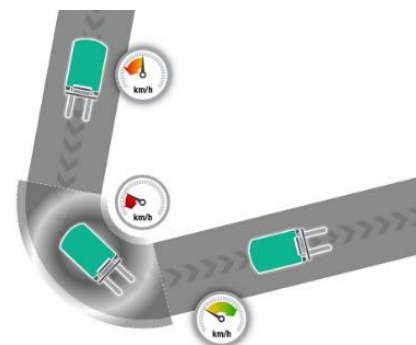
SENSITIVE DRIVE SYSTEM+ (SDS+)

This driver-assist system responds intuitively to the individual operator's input - altering the performance characteristics for greater productivity and safety.



INTELLIGENT CORNERING SYSTEM

Automatically adjusts truck speed according to steer angle for increased operator and site safety, improved productivity and reduced tyre wear.



AUTOMATIC HILL HOLD

AHH prevents rollback even when fully loaded on very steep ramps. This makes for safer and faster loading/unloading. Operator safety is increased while improving productivity and reducing product damage.



RED DOT DESIGN AWARD WINNER

Red Dot is an internationally recognised symbol of outstanding design, marking the best in aesthetics, functionality, and innovation. The truck's next-generation design, combined with a host of outstanding features, and class-leading ergonomics greatly impressed the expert jury.



reddot winner

MINI STEERING WHEEL WITH FLOATING ARMREST

This ergonomically adjustable control setup makes operating far more comfortable for the driver during long shifts. This not only minimises fatigue, keeping them more focused and productive, but reduces the risk of RSI and other strains in the neck and shoulders, a common cause of driver absence which comes with related costs.



LI-ION BATTERY

This option allows for quick charging, while minimising maintenance - avoiding the need for costly extra batteries and time-consuming changeovers. (Option)



PASSIVE SWAY CONTROL

Mast sway movements are dampened by the chassis, enabling operators to lift confidently to high heights.



ELECTRIC DIFFERENTIAL LOCK

When activated, the electric differential lock will give the truck the best possible traction by spinning both front wheels, and can be preset to engage when speed is low or steering angle is limited.



DUAL JOYSTICKS

Offering simultaneous lift and tilt functions, the ergonomic dual joysticks have good grip, especially when used with gloves.



FEATURES

BRAKES



Intelligent Cornering System



The truck senses the angle of a turn and reduces speed early

for maximum stability and accurate, positive cornering.

Automatic Hill Hold



The truck stops automatically when the accelerator is not engaged, preventing rolling on ramps. No need to remember to use a handle or switch.

Electronic magnetic brakes

These don't rely on brake pads, eliminating associated maintenance and the risk of brake dust and contamination.

Energy regen safety lights

When the truck is regenerating energy the truck slows down faster than usual when the throttle is released. Brake lights blink to warn traffic behind of the increased slow down.

DRIVE



AutoBoost



Acceleration and torque boost functions provide more power when

needed, such as on ramps.



Sensitive Drive System+ (SDS+)



Our next-generation driver-assist system for increased safety. Traction and mast performance are independently managed according to steer angle and the velocity of foot and finger controls to match driver reaction speeds.

ECO mode

This mode optimises energy efficiency and gives smoother performance. Ideal for long shifts, training, new users, and part-time users.

PRO mode

This mode maximises performance parameters, giving full control to more experienced operators in intensive situations.

Electric differential lock

When activated, both front wheels spin simultaneously, giving the truck better traction and control in slippery conditions. (Option)

ELECTRICAL AND CONTROL SYSTEMS

Integrated Presence System 2 (IPS2)



Truck and mast will not move if the operator is not seated, and provides a seat belt warning light and parking brake alarm.

Straightforward component layout

Fast, easy access to key areas, reducing downtime and cutting routine servicing bills.

Custom settings

Through the multi-functional configuration software TruckTool, the truck can be fine-tuned by a service engineer to meet any application or scenario.

Sealed connectors

This reduces the need for maintenance and repair.

TruckTool software

The truck can be fine-tuned by a service engineer with custom settings for any application or scenario. Faults and issues can be identified quickly and easily, keeping maintenance time - and costs - to a minimum.

FORKS AND MAST

Adaptive Lift Control (ALC)

Allows truck to remain stable with fewer movements when lowering loads from high heights.



Passive Sway Control

Minimises mast sway, especially in high lifts above 3 m.



Strong, high-visibility mast

Free-lift cylinder structure is optimised with hoses over chains for outstanding visibility.

High-durability hoses

Resistant to wear and wide-ranging temperatures - ensuring minimal downtime and disruption.

Low Noise Lift

Quietest hydraulic pump on the market contributes to low overall noise level (only 65 dBA). (Option)

FRAME AND BODY



Bright LED working lights

Lights on the mast and frame illuminate the load and surrounding area for

good visibility, without causing reflections on the cabin windows.



Safety Zone

Red lights are projected on the floor to the sides and rear of the truck to give nearby

pedestrians a clear idea of the safe distance to keep. (Option)

Sideways battery change

Integrated sliding rollers offer quick and easy battery change for multishift operations. (Option)

HYDRAULICS

Precision tilt and side shift

This provides easy, fine control - making difficult movements safer and faster.



Load sensing hydraulic system

Load handling functions react similarly to different load weights.

OPERATOR COMPARTMENT AND CONTROLS

Highly responsive steering wheel

Automatically optimises power to steering for consistently smooth operations - regardless of speed or work intensity - for maximum control, comfort and safety.



Spacious, open cabin

Operators of various sizes can easily find comfortable driving positions.

Unparalleled 360° visibility

An optimised mast, wheel, dashboard and counterweight design maximises visibility to load, forks, front and rear wheels - giving safe, confident operation in tight spaces.



Optimised pedal position

All pedals are in the most ergonomic position, shaped and angled so each pedal

will feel familiar to use and easy on the ankles.



Clear, informative display

Full colour and easy to read from all angles, even in direct sunlight. Perfectly

positioned for at-a-glance reference, without reducing all-round visibility.



F2 button

This simple thumb control integrates additional key controls without taking your eyes off the load. Options include clamp release and automatic tilt centring.



Narrow inclined dashboard

This enhances the driver's perception of surroundings - giving even greater visibility to the front and sides of the truck.

Fully adjustable driving position

Create the perfect seat, arm and steering wheel position for each operator's unique needs.



Flat floor

No obstructions and plenty of room for the operator.



Multifunctional Ergologic Joystick

This intuitive and highly ergonomic joystick controls seven different

functions, including lifting, lowering, reaching and tilting. (Option)



Extra-large low step

Entry and exit is easy and safe, thanks to a high-grip surface.



Dual joysticks

Dual joysticks offer simultaneous functions for lift and tilt, and settings can be customised to

customer requirements. (Option)

Long handle bar

Aids safer entry/exit.

STEERING SYSTEM

360-degree steering

The operator can keep the truck in constant motion - saving seconds on every turn.



Perfectly weighted steering

Optimal steering wheel size with a light but firm feel gives confidence and manoeuvrability at all speeds.



Mini steering wheel

Allows operators to maintain a relaxed driving position and better view, ideal for longer shifts.

(Option)

OPTIONS INCLUDE

Rapid sideways battery exchange

Chassis-integrated roller bed (for battery SWE)

Built-in Li-ion battery

Manual lever hydraulic control

Dual pedal system

Integrated sideshifter

Integrated fork positioner with sideshift

Load weight indicator

Forward-reverse direction selection lever on steering column

Operator Presence Pedal

Road light kitPIN-code access

Cabin optionsHeater for cabin

Narrow overhead guard for drive-into racking

Cold store option

KEY TECHNOLOGIES

AC POWER

To get the most from operator and machine our centralised system for AC control uses advanced intelligent control, plus the latest MOSFET and heat dissipation technology for maximum performance and energy efficiency.



Offering high power for excellent traction and ramp performance, it provides smooth, quiet and controlled operation, extended shift lengths and reduced maintenance requirements.

Standard on this range

AUTOMATIC HILL HOLD

Developed for safety, **Automatic Hill Hold** automatically stops your truck from rolling while manoeuvring on ramps.



It activates as soon as the operator's foot is removed from the accelerator - without separate switches or handles.

Standard on this range

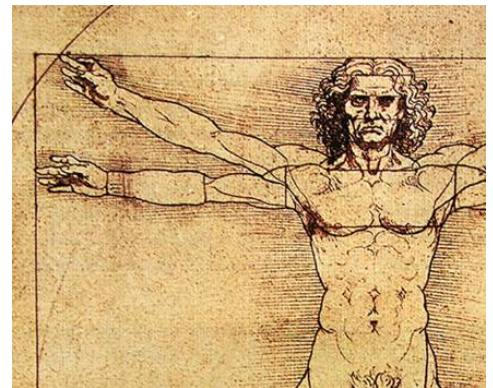


ErgoCentric

ErgoCentric describes our approach to meeting your operator's ergonomic needs.

You'll see this approach throughout the truck, but particularly in the operator's compartment where providing spacious, uncluttered access and maximum visibility are top priorities.

Standard on this range



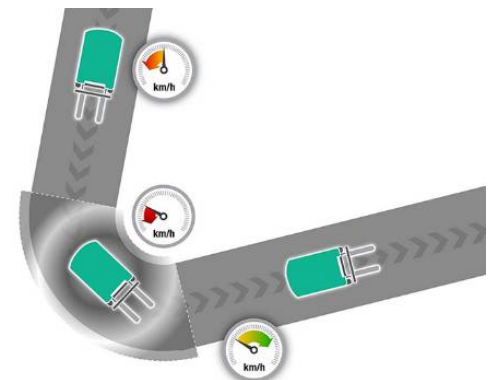
INTELLIGENT CORNERING SYSTEM

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.

Standard on this range



INTEGRATED PRESENCE SYSTEM 2

IPS2 prevents all truck and mast movement if the operator is not seated to prevent accidental lifting, lowering, tilting and travel.

An electronic parking brake is applied automatically if the seat is empty and this can also be done manually via a dashboard button.

In addition, the system automatically gives operators essential warnings and reminders to encourage safety.

Standard on this range



CHOICE OF CONTROLS (EDiA)

The fully adjustable, full-length ergonomic armrest allows for a more natural arm position and offers excellent support, reducing the risk of RSIs associated with intensive operations. A variety of control schemes can be specified to match different applications:

- **Fingertip controls** Ideal for applications where precise control is needed, they can even be operated using protective gloves.
- **Dual joysticks** These offer simultaneous functions for lift and tilt, and their settings can easily be customised to specific requirements.
- **Ergologic joystick** This intuitive and highly ergonomic single joystick can control seven different functions, including lifting, lowering, reaching, and tilting.



Optional on this range

PASSIVE SWAY CONTROL

To ensure maximum productivity at any height, this model is equipped with **Passive Sway Control**.

This feature dampens the elevated load motion that can occur when carrying loads at height.

Standard on this range



LI-ION BATTERY TECHNOLOGY

Tried, tested and proven in the field, lead-acid batteries have been the long-standing 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, it 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 40 per cent more efficient than lead-acid counterparts. Plus, it's virtually error-proof, thanks to its ultra-low-maintenance design which prevent cell damage.



Top features of our Li-ion battery systems include:

- **Exceptional, zero-emissions efficiency** 40% more efficient than lead-acid batteries and free from gases.
- **Ultra-low maintenance design** Just a full charge each week to activate cell balancing, as well as an annual CSV export/update.
- **No space required** With no need for charging areas, there's no cost for set up and you can keep your profitable space just that: profitable.
- **Quick charge capabilities** Just 15 minutes is all your battery needs to keep your truck going a few more hours. (It only takes 1 to 2 hours to fully charge a completely discharged battery.)
- **Higher sustained voltage** This ensures more consistent lifting and driving performance, which is particularly noticeable towards the end of a shift.
- **TriCOM Technology** Helps to deliver exceptionally high system efficiency (up to 97%)

Available as an option on this range

GALLERY



FB14N2T

Model: FB14N2T



Cabin



Choice of performance modes



Cabin (Optional)

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 dealer, 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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QUALITY | RELIABILITY | VALUE FOR MONEY

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