

**EDiA EM**

**FB14-20A(C)N(T) Series**

# ELECTRIC-POWERED FORKLIFT TRUCKS

1.4 – 2.0 tonnes

**THE MOST INTELLIGENT...  
THE MOST AGILE**

Meet the EDiA EM. It's the most intelligent truck on the market and one of the most durable. Packed with features, it delivers the manoeuvrability, power and reliability you expect from Mitsubishi Forklift Trucks.

## SPECIFICATIONS

|          |         |
|----------|---------|
| FB14ANT  |         |
| FB16ACNT | FB16ACN |
| FB18ACNT | FB18ACN |
| FB16ANT  | FB16AN  |
| FB18ANT  | FB18AN  |
| FB20ANT  | FB20AN  |

**WHEN  
RELIABILITY IS  
EVERYTHING...**



# EDiA EM

## FB14-20A(C)N(T) Series

### ELECTRIC-POWERED FORKLIFT TRUCKS

1.4 – 2.0 tonnes

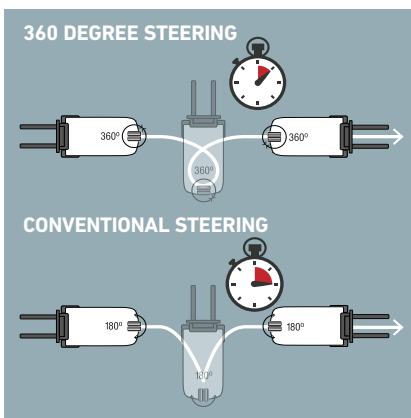


**Designed and engineered to perform, these 48-volt three and four-wheel electrics work intuitively, tailoring their performance to your individual operator.**

EDiA EM's sophisticated software analyses behaviour in real-time and automatically adjusts the truck's behaviour for safe-but-productive performance.

#### OPERATOR COMPARTMENT AND CONTROLS

- **Large, ultra-comfortable operating space** has been enhanced to meet the needs of drivers of all shapes and sizes for fatigue-free operation.
- **Spacious footwell** accommodates size 50+ (EU) shoes ensuring – whatever their size – operators enjoy a natural, ergonomic foot position.
- **Extra-large and low entry step** with offers good grip, ensuring safe, no-slip entry and exit – whatever the footwear.
- **Unparalleled 360° visibility** thanks to optimised mast, wheel, dashboard and counterweight design, maximises visibility to load, forks, front and rear wheels for safe, confident operation in tight spaces.
- **Optimised pedal positioning** encourages a more natural foot position for drivers of all sizes – short and tall included – to keep fatigue at bay.
- **Clear informative full-colour display** is easy to read from any angle (even direct sunlight). It's perfectly positioned for operator reference and doesn't reduce the truck's all-round visibility.



- **Touch-sensitive fingertip controls** are spring-loaded for a natural feeling; the gentler the touch, the finer the control.

#### FRAME AND BODY

- **High visibility design** offers minimal 'death angle' for improved safety, while eliminating unnecessary driver movements to keep drivers fresh.
- **Fast-access battery compartment** offers easy opening for maximum ventilation during charging and quick battery checks and maintenance.

#### MAST AND FORK ASSEMBLY

- **Passive Sway Control** dampens any elevated load motion above 3.5 m by compensating with micro chassis movements.

#### DRIVE

- **High-efficiency motors** offer a high RPM range for precise control when accelerating.
- **Sensitive Drive System (SDS)** smooths start and stop movements, increases agility and adapts to the speed of operators' foot movements.
- **Intelligent curve control** senses the angle of a turn and responds – automatically reducing speed early in the manoeuvre – ensuring maximum stability and accurate, positive cornering.
- **>100° steering axle** with dual-drive motors offers smooth 'on the spot' turning, with no initial 'push'.

#### BRAKES

- **Electronic magnetic brakes** don't rely on brake pads – eliminating associated maintenance and the risk of brake dust and contamination.
- **Automatic parking brake with hill hold** stops the truck automatically when the accelerator is not engaged, and prevents rolling on ramps – no remembering to use a handle or switch.

#### HYDRAULICS

- **Load-sensing hydraulic system** automatically adjusts truck's performance when handling loads at heights above 2.0 m – for consistently safe and efficient operations, standard for masts from 3.5m.

#### STEERING SYSTEM

- **Optimised steering** automatically adjusts power to steering for consistently smooth operations – regardless of speed or work intensity – for maximum control, comfort and safety.
- **Time-saving 360° steering on 3-wheel models** means the operator keeps the truck in constant motion – saving seconds on every turn.



**There is more information on EDiA on [mitforklift.com](http://mitforklift.com)**

For more extensive information please visit our website [mitforklift.com](http://mitforklift.com)



[mft2.eu/ediaem](http://mft2.eu/ediaem)



# EDIA EM

## OPTIONAL LI-ION BATTERY SYSTEMS

### MAKE YOUR FORKLIFT (AND ITS FUEL) GO EVEN FURTHER



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, 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.

- **Exceptional, zero-emissions efficiency** 40% more efficient than lead-acid batteries and free from gases.
- **Ultra-low maintenance design** demands 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** mean that 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** ensures more consistent lifting and driving performance, which is particularly noticeable towards the end of a shift.
- **TriCOM Technology** delivers exceptionally high system efficiency (up to 97%).
- **Water-free design** with no water in the battery and no need to top up, there's no risk of operators damaging cells.
- **Active protection componentry** this continuously monitors the system, highlighting potential issues, including misuse.
- **Short circuit protection** is offered by system safeguards including: deep-discharge and overcharge protection, individual cell temperature and voltage monitoring.
- **On-the-go performance and monitoring** is possible thanks to the system's integrated monitoring system with easy-to-read display unit, as well as an opportunity charger on board.



|                             |     |     |     |
|-----------------------------|-----|-----|-----|
| Battery capacity, Ah        | 260 | 312 | 416 |
| Charger capacity, Ah, 1hour | 200 | 250 | 350 |

There is more information on Li-ion on [mitforklift.com](http://mitforklift.com)

For more extensive information please visit our website [mitforklift.com](http://mitforklift.com)



mft2.eu/ion

# VDI - PERFORMANCE & DIMENSIONS

| CHARACTERISTICS     |                                                                                   |           |       | Mitsubishi Forklift Trucks | Mitsubishi Forklift Trucks | Mitsubishi Forklift Trucks | Mitsubishi Forklift Trucks | Mitsubishi Forklift Trucks | Mitsubishi Forklift Trucks |
|---------------------|-----------------------------------------------------------------------------------|-----------|-------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| 1.1                 | Manufacturer (abbreviation)                                                       |           |       | FB14ANT                    | FB16ACNT                   | FB18ACNT                   | FB16ANT                    | FB18ANT                    | FB20ANT                    |
| 1.2                 | Manufacturer's model designation                                                  |           |       | Electric                   | Electric                   | Electric                   | Electric                   | Electric                   | Electric                   |
| 1.3                 | Power source: (battery, diesel, LP gas, petrol)                                   |           |       | Seated                     | Seated                     | Seated                     | Seated                     | Seated                     | Seated                     |
| 1.4                 | Operator type: pedestrian, (operator)-standing, -seated                           |           |       |                            |                            |                            |                            |                            |                            |
| 1.5                 | Load capacity                                                                     | Q         | kg    | 1400                       | 1600                       | 1800                       | 1600                       | 1800                       | 2000                       |
| 1.6                 | Load center distance                                                              | c         | mm    | 500                        | 500                        | 500                        | 500                        | 500                        | 500                        |
| 1.8                 | Load distance, axle to fork face                                                  | x         | mm    | 343                        | 343                        | 343                        | 343                        | 343                        | 358                        |
| 1.9                 | Wheelbase                                                                         | y         | mm    | 1320                       | 1320                       | 1320                       | 1428                       | 1428                       | 1428                       |
| WEIGHT              |                                                                                   |           |       |                            |                            |                            |                            |                            |                            |
| 2.1                 | Truck weight, without load / including battery (simplex mast, lowest lift height) |           | kg    | 2790                       | 2966                       | 3156                       | 2949                       | 3119                       | 3342                       |
| 2.2                 | Axle loading with maximum load, front / rear (simplex mast, lowest lift height)   |           | kg    | 3688 / 502                 | 4015 / 551                 | 4351 / 605                 | 4020 / 529                 | 4333 / 586                 | 4711 / 631                 |
| 2.3                 | Axle loading without load, front / rear (simplex mast, lowest lift height)        |           | kg    | 1394 / 1396                | 1393 / 1573                | 1401 / 1754                | 1476 / 1474                | 1471 / 1649                | 1509 / 1833                |
| WHEELS, DRIVE TRAIN |                                                                                   |           |       |                            |                            |                            |                            |                            |                            |
| 3.1                 | Tyres: V=solid, L=pneumatic, SE=solid pneumatic - front / rear                    |           |       | SE                         | SE                         | SE                         | SE                         | SE                         | SE                         |
| 3.2                 | Tyre dimensions, front                                                            |           |       | 18 x 7-8                   | 18 x 7-8                   | 18 x 7-8                   | 18 x 7-8                   | 18 x 7-8                   | 200 / 50-10                |
| 3.3                 | Tyre dimensions, rear                                                             |           |       | 140 / 55-9                 | 140 / 55-9                 | 140 / 55-9                 | 140 / 55-9                 | 140 / 55-9                 | 140 / 55-9                 |
| 3.5                 | Number of wheels, front / rear (x=driven)                                         |           |       | 2 x / 2                    | 2 x / 2                    | 2 x / 2                    | 2 x / 2                    | 2 x / 2                    | 2 x / 2                    |
| 3.6                 | Truck width (center of tyres), front                                              | b10       | mm    | 930                        | 930                        | 930                        | 930                        | 930                        | 938                        |
| 3.7                 | Truck width (center of tyres), rear                                               | b11       | mm    | 174                        | 174                        | 174                        | 174                        | 174                        | 174                        |
| DIMENSIONS          |                                                                                   |           |       |                            |                            |                            |                            |                            |                            |
| 4.1                 | Mast tilt, forwards / backwards                                                   | α/β       | °     | 5 / 7.5                    | 5 / 7.5                    | 5 / 7.5                    | 5 / 7.5                    | 5 / 7.5                    | 5 / 7.5                    |
| 4.2                 | Height with mast lowered (see tables)                                             | h1        | mm    | 2125                       | 2125                       | 2125                       | 2125                       | 2125                       | 2125                       |
| 4.3                 | Free lift (see tables)                                                            | h2        | mm    | 80                         | 80                         | 80                         | 80                         | 80                         | 80                         |
| 4.4                 | Lift height (see tables)                                                          | h3        | mm    | 3290                       | 3290                       | 3290                       | 3290                       | 3290                       | 3290                       |
| 4.5                 | Overall height with mast raised                                                   | h4        | mm    | 4335                       | 4335                       | 4335                       | 4335                       | 4335                       | 4335                       |
| 4.7                 | Height to top of overhead guard                                                   | h6        | mm    | 2050                       | 2050                       | 2050                       | 2050                       | 2050                       | 2050                       |
| 4.8                 | Seat height                                                                       | h7        | mm    | 1035                       | 1035                       | 1035                       | 1035                       | 1035                       | 1035                       |
| 4.12                | Tow coupling height                                                               | h10       | mm    | 540                        | 540                        | 540                        | 540                        | 540                        | 540                        |
| 4.19                | Overall length                                                                    | l1        | mm    | 2996                       | 2996                       | 2996                       | 3104                       | 3104                       | 3119                       |
| 4.20                | Length to fork face (includes fork thickness)                                     | l2        | mm    | 1846                       | 1846                       | 1846                       | 1954                       | 1954                       | 1969                       |
| 4.21                | Overall width                                                                     | b1/b2     | mm    | 1090                       | 1090                       | 1090                       | 1090                       | 1090                       | 1140                       |
| 4.22                | Fork dimensions (thickness, width, length)                                        | s / e / l | mm    | 35 x 100 x 1150            | 35 x 100 x 1150            | 35 x 100 x 1150            | 35 x 100 x 1150            | 35 x 100 x 1150            | 35 x 100 x 1150            |
| 4.23                | Fork carriage to DIN 15 173 A/B/no                                                |           |       | 2A                         | 2A                         | 2A                         | 2A                         | 2A                         | 2A                         |
| 4.24                | Fork carriage width                                                               | b3        | mm    | 920                        | 920                        | 920                        | 920                        | 920                        | 920                        |
| 4.31                | Ground clearance under mast, with load                                            | m1        | mm    | 95                         | 95                         | 95                         | 95                         | 95                         | 95                         |
| 4.32                | Ground clearance at center of wheelbase, with load (forks lowered)                | m2        | mm    | 95                         | 95                         | 95                         | 95                         | 95                         | 95                         |
| 4.33                | Working aisle width with 1000 x 1200 mm pallets, crosswise                        | Ast       | mm    | 3173                       | 3173                       | 3173                       | 3281                       | 3281                       | 3295                       |
| 4.34a               | Working aisle width with 800 x 1200 mm pallets, lengthwise                        | Ast       | mm    | 3296                       | 3296                       | 3296                       | 3404                       | 3404                       | 3419                       |
| 4.35                | Turning circle radius                                                             | Wa        | mm    | 1502                       | 1502                       | 1502                       | 1610                       | 1610                       | 1610                       |
| 4.36                | Minimum distance between centers of rotation                                      | b13       | mm    | 0                          | 0                          | 0                          | 0                          | 0                          | 0                          |
| PERFORMANCE         |                                                                                   |           |       |                            |                            |                            |                            |                            |                            |
| 5.1                 | Travel speed, with / without load                                                 |           | km/h  | 16 / 16                    | 16 / 16                    | 16 / 16                    | 16 / 16                    | 16 / 16                    | 16 / 16                    |
| 5.2                 | Lifting speed, with / without load                                                |           | m/s   | 0.55 / 0.62                | 0.52 / 0.62                | 0.46 / 0.62                | 0.52 / 0.62                | 0.46 / 0.62                | 0.62 / 0.42                |
| 5.3                 | Lowering speed, with / without load                                               |           | m/s   | 0.56 / 0.56                | 0.56 / 0.56                | 0.56 / 0.56                | 0.56 / 0.56                | 0.56 / 0.56                | 0.56 / 0.56                |
| 5.5                 | Rated drawbar pull, with / without load                                           |           | N     | 4900 / 5200                | 4900 / 5200                | 4800 / 5100                | 4900 / 5200                | 4800 / 5100                | 4700 / 5100                |
| 5.6                 | Maximum drawbar pull, with / without load (5 min short duty)                      |           | N     | 15000 / 15300              | 14900 / 15200              | 14900 / 15200              | 14900 / 15200              | 14900 / 15200              | 14800 / 15200              |
| 5.7                 | Gradeability, with / without load                                                 |           | %     | 16 / 26                    | 15 / 25                    | 13 / 23                    | 15 / 25                    | 13 / 23                    | 12 / 21                    |
| 5.8                 | Maximum gradeability, with / without load                                         |           | %     | 27 / 35                    | 27 / 35                    | 26 / 35                    | 27 / 35                    | 26 / 35                    | 24 / 35                    |
| 5.9                 | Acceleration time (10 metres) with / without load                                 |           | s     | 4.0 / 3.8                  | 4.1 / 3.8                  | 4.2 / 3.8                  | 4.1 / 3.8                  | 4.2 / 3.8                  | 4.3 / 3.9                  |
| 5.10                | Service brakes (mechanical / hydraulic / electric / pneumatic)                    |           |       | electric                   | electric                   | electric                   | electric                   | electric                   | electric                   |
| ELECTRIC MOTORS     |                                                                                   |           |       |                            |                            |                            |                            |                            |                            |
| 6.1                 | Drive motor capacity (60 min. short duty)                                         |           | kW    | 2 x 5.5                    | 2 x 5.5                    | 2 x 5.5                    | 2 x 5.5                    | 2 x 5.5                    | 2 x 5.5                    |
| 6.2                 | Lift motor output at 15% duty factor                                              |           | kW    | 10                         | 10                         | 10                         | 10                         | 10                         | 10                         |
| 6.3                 | Battery to DIN 43 531 / 35 / 36 A/B/C/no                                          |           |       | DIN 43531 A/no             | DIN 43531 A/no             | DIN 43531 A/no             | DIN 43531 A/no             | DIN 43531 A/no             | DIN 43531 A/no             |
| 6.4                 | Battery voltage/capacity at 5-hour discharge                                      |           | V/Ah  | 500-625                    | 500-625                    | 500-625                    | 625-750                    | 625-750                    | 625-750                    |
| 6.5                 | Battery weight                                                                    |           | kg    | 679                        | 679                        | 679                        | 812                        | 812                        | 812                        |
| 6.6a                | Energy consumption according to EN 16796                                          |           | kWh/h | 3.7                        | 3.9                        | 4.2                        | 3.9                        | 4.2                        | 4.5                        |
| MISCELLANEOUS       |                                                                                   |           |       |                            |                            |                            |                            |                            |                            |
| 8.1                 | Type of drive control                                                             |           |       | AC                         | AC                         | AC                         | AC                         | AC                         | AC                         |
| 10.1                | Maximum operating pressure for attachments                                        |           | bar   | 210                        | 210                        | 210                        | 210                        | 210                        | 210                        |
| 10.2                | Oil flow for attachments                                                          |           | l/min | 30                         | 30                         | 30                         | 30                         | 30                         | 30                         |
| 10.7                | Noise level, value at operator's ear (EN 12053)                                   |           | dB(A) | 65                         | 65                         | 65                         | 65                         | 65                         | 65                         |
| 10.8                | Towing coupling design / DIN type, ref.                                           |           |       | DIN15170-H                 | DIN15170-H                 | DIN15170-H                 | DIN15170-H                 | DIN15170-H                 | DIN15170-H                 |

**EDIA EM**

**ELECTRIC  
COUNTERBALANCE**

**FB14 - 20A(C)NT  
Series**

**3 wheel models**

1.4 - 2.0 tonnes



# MAST PERFORMANCE AND CAPACITY

**EDIA EM**

## FB14 - 20A(C)NT Series

### 3 wheel models

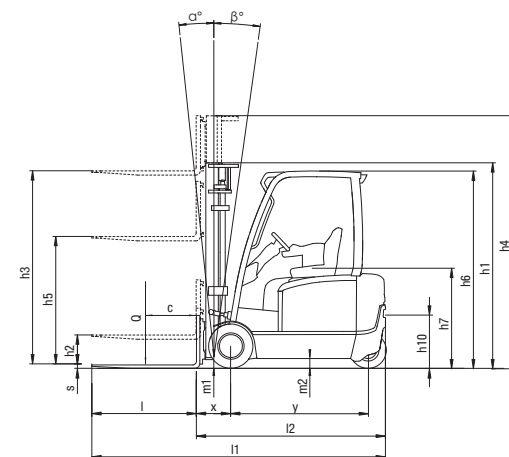


| MAST TYPE | FB14-20A(C)NT |       |       |            |                                 |         | FB14ANT              | FB16ACNT             | FB18ACNT             | FB16ANT              | FB18ANT              | FB20ANT              |
|-----------|---------------|-------|-------|------------|---------------------------------|---------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|           | h3 mm         | h1 mm | h4 mm | h2 / h5 mm | tilt angle fwd /<br>rew degrees |         | Q@<br>c=500 mm<br>kg | Q@<br>c=500 mm<br>kg | Q@<br>c=500 mm<br>kg | Q@<br>c=500 mm<br>kg | Q@<br>c=500 mm<br>kg | Q@<br>c=500 mm<br>kg |
|           |               |       |       |            | STD                             | CABIN   |                      |                      |                      |                      |                      |                      |
| SIMPLEX   | 2000**        | 1480* | 3045  | 80         | 5 / 6                           | N.A.    | 1400                 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 2560**        | 1760* | 3605  | 80         | 5 / 6                           | 5 / 5   | 1400                 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 2760**        | 1860* | 3805  | 80         | 5 / 7.5                         | 5 / 6   | 1400                 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 3000          | 1980* | 4045  | 80         | 5 / 7.5                         | 5 / 6   | 1400                 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 3290          | 2125  | 4335  | 80         | 5 / 7.5                         | 5 / 7.5 | 1400                 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 3530**        | 2245  | 4575  | 80         | 5 / 7.5                         | 5 / 7.5 | 1400                 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 3720          | 2385  | 4765  | 80         | 5 / 7.5                         | 5 / 7.5 | 1400                 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 4090          | 2570  | 5135  | 80         | 5 / 7.5                         | 5 / 7.5 | 1400                 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 4480          | 2775  | 5525  | 80         | 5 / 5                           | 5 / 5   | 1350                 | 1550                 | 1750                 | 1575                 | 1775                 | 2000                 |
|           | 5000          | 3035  | 6045  | 80         | 5 / 5                           | 5 / 5   | 1300                 | 1475                 | 1675                 | 1525                 | 1700                 | 1925                 |
|           | 5500          | 3285  | 6545  | 80         | 5 / 3.5                         | 5 / 3.5 | 1250                 | 1425                 | 1600                 | 1475                 | 1650                 | 1850                 |
| DUPLEX    | 6000          | 3535  | 7045  | 80         | 5 / 3.5                         | 5 / 3.5 | 1200                 | 1375                 | 1450                 | 1425                 | 1500                 | 1775                 |
|           | 2800**        | 1880* | 3845  | 835        | 5 / 6                           | 5 / 6   | 1400                 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 3000          | 1980* | 4045  | 935        | 5 / 6                           | 5 / 6   | 1400                 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 3295          | 2125  | 4340  | 1080       | 5 / 6                           | 5 / 6   | 1400                 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 3515**        | 2245  | 4560  | 1200       | 5 / 6                           | 5 / 6   | 1400                 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 3700          | 2385  | 4745  | 1340       | 5 / 6                           | 5 / 6   | 1400                 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
| TRIPLEX   | 4030          | 2570  | 5075  | 1525       | 5 / 6                           | 5 / 6   | 1350                 | 1550                 | 1750                 | 1575                 | 1775                 | 2000                 |
|           | 3710          | 1780* | 4755  | 735        | 5 / 6                           | 5 / 3.5 | 1400                 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 4010          | 1880* | 5055  | 835        | 5 / 6                           | 5 / 3.5 | 1400                 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 4310          | 1980* | 5355  | 935        | 5 / 6                           | 5 / 5   | 1350                 | 1600                 | 1750                 | 1600                 | 1800                 | 2000                 |
|           | 4750          | 2125  | 5795  | 1080       | 5 / 6                           | 5 / 5   | 1300                 | 1600                 | 1700                 | 1550                 | 1800                 | 2000                 |
|           | 5090          | 2245  | 6135  | 1200       | 5 / 3.5                         | 5 / 3.5 | 1275                 | 1450                 | 1650                 | 1550                 | 1750                 | 1925                 |
|           | 5490          | 2385  | 6535  | 1340       | 5 / 3.5                         | 5 / 3.5 | 1225                 | 1400                 | 1650                 | 1500                 | 1700                 | 1900                 |
|           | 5990          | 2570  | 7035  | 1525       | 5 / 3.5                         | 5 / 3.5 | 1175                 | 1350                 | 1600                 | 1400                 | 1600                 | 1750                 |
|           | 6490          | 2830  | 7535  | 1785       | 5 / 3.5                         | 5 / 3.5 | 1125                 | 1350                 | 1350                 | 1350                 | 1400                 | 1650                 |
|           | 7000          | 3035  | 8045  | 1990       | 5 / 3.5                         | 5 / 3.5 | 1100                 | 1100                 | 1100                 | 1100                 | 1100                 | 1350                 |

\* Lower than overhead guard \*\*CSM

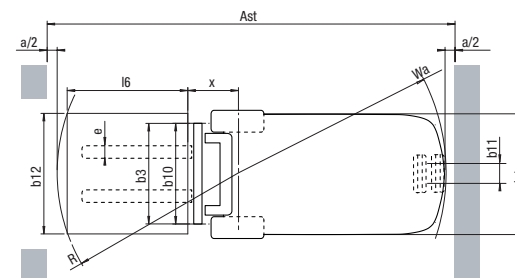
| BATTERY DIMENSIONS             |    | 14ANT       | 16ACNT      | 18ACNT      | 16ANT       | 18ANT       | 20ANT       |
|--------------------------------|----|-------------|-------------|-------------|-------------|-------------|-------------|
| Battery voltage                | V  | 48          | 48          | 48          | 48          | 48          | 48          |
| Capacity at a 5-hour discharge | Ah | 500 / 625   | 500 / 625   | 500 / 625   | 625 / 750   | 625 / 750   | 625 / 750   |
| Battery weight, Min.           | kg | 679 / 812   | 679 / 812   | 679 / 812   | 812 / 900   | 812 / 900   | 812 / 900   |
| Battery weight, Max.           | kg | 1000 / 1000 | 1000 / 1000 | 1000 / 1000 | 1160 / 1160 | 1160 / 1160 | 1160 / 1160 |
| BATTERY BOX DIMENSIONS         |    |             |             |             |             |             |             |
| Length                         | mm | 522         | 522         | 522         | 630         | 630         | 630         |
| Width                          | mm | 830 / 1006  | 830 / 1006  | 830 / 1006  | 830 / 1006  | 830 / 1006  | 830 / 1006  |
| Height                         | mm | 627         | 627         | 627         | 627         | 627         | 627         |
| BATTERY COMPARTMENT SIZE       |    |             |             |             |             |             |             |
| Length                         | mm | 532         | 532         | 532         | 640         | 640         | 640         |
| Width                          | mm | 850 / 1018  | 850 / 1018  | 850 / 1018  | 850 / 1018  | 850 / 1018  | 850 / 1018  |
| Height                         | mm | 690 (660*)  | 690 (660*)  | 690 (660*)  | 690 (660*)  | 690 (660*)  | 690 (660*)  |

\*With battery exchange rolls



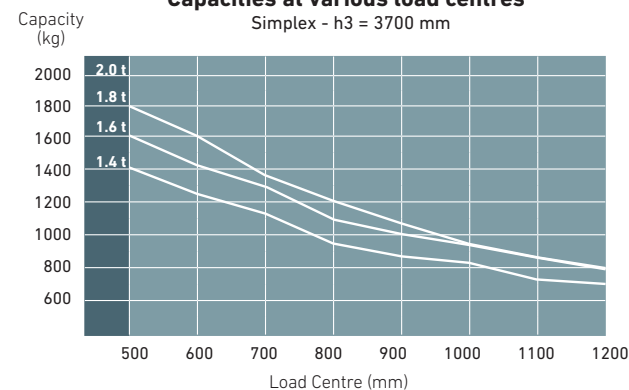
$Ast = Wa + R + a$   
 $Ast$  = Working aisle width  
 $Wa$  = Turning radius  
 $a$  = Safety clearance =  $2 \times 100 \text{ mm}$   
 $R = \sqrt{(l6 + x)^2 + (b12 / 2)^2}$   
 $b12$  = Pallet width (1200 mm)

$h1$  = Height with mast lowered  
 $h2$  = Standard free lift  
 $h3$  = Lift height  
 $h4$  = Height with mast raised  
 $h5$  = Full free lift  
 $Q$  = Lifting capacity, rated load  
 $c$  = Load centre (distance)



### Capacities at various load centres

Simplex - h3 = 3700 mm



# VDI - PERFORMANCE & DIMENSIONS

| CHARACTERISTICS     |                                                                                   |           |       | Mitsubishi Forklift Trucks | Mitsubishi Forklift Trucks | Mitsubishi Forklift Trucks | Mitsubishi Forklift Trucks | Mitsubishi Forklift Trucks |
|---------------------|-----------------------------------------------------------------------------------|-----------|-------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| 1.1                 | Manufacturer (abbreviation)                                                       |           |       | FB16ACN                    | FB18ACN                    | FB16AN                     | FB18AN                     | FB20AN                     |
| 1.2                 | Manufacturer's model designation                                                  |           |       | Electric                   | Electric                   | Electric                   | Electric                   | Electric                   |
| 1.3                 | Power source: (battery, diesel, LP gas, petrol)                                   |           |       | Seated                     | Seated                     | Seated                     | Seated                     | Seated                     |
| 1.4                 | Operator type: pedestrian, (operator)-standing, -seated                           |           |       |                            |                            |                            |                            |                            |
| 1.5                 | Load capacity                                                                     | Q         | kg    | 1600                       | 1800                       | 1600                       | 1800                       | 2000                       |
| 1.6                 | Load center distance                                                              | c         | mm    | 500                        | 500                        | 500                        | 500                        | 500                        |
| 1.8                 | Load distance, axle to fork face                                                  | x         | mm    | 343                        | 343                        | 343                        | 343                        | 358                        |
| 1.9                 | Wheelbase                                                                         | y         | mm    | 1394                       | 1394                       | 1502                       | 1502                       | 1502                       |
| WEIGHT              |                                                                                   |           |       |                            |                            |                            |                            |                            |
| 2.1                 | Truck weight, without load / including battery (simplex mast, lowest lift height) |           | kg    | 2944                       | 3114                       | 2957                       | 3097                       | 3287                       |
| 2.2                 | Axle loading with maximum load, front / rear (simplex mast, lowest lift height)   |           | kg    | 3990 / 554                 | 4311 / 603                 | 4008 / 550                 | 4295 / 603                 | 4668 / 620                 |
| 2.3                 | Axle loading without load, front / rear (simplex mast, lowest lift height)        |           | kg    | 1422 / 1522                | 1422 / 1692                | 1510 / 1448                | 1484 / 1613                | 1525 / 1762                |
| WHEELS, DRIVE TRAIN |                                                                                   |           |       | SE                         | SE                         | SE                         | SE                         | SE                         |
| 3.1                 | Tyres: V=solid, L=pneumatic, SE=solid pneumatic - front / rear                    |           |       | 18 x 7-8                   | 18 x 7-8                   | 18 x 7-8                   | 18 x 7-8                   | 200 / 50-10                |
| 3.2                 | Tyre dimensions, front                                                            |           |       | 16 x 6-8                   | 16 x 6-8                   | 16 x 6-8                   | 16 x 6-8                   | 16x6-8                     |
| 3.3                 | Tyre dimensions, rear                                                             |           |       | 2 x / 2                    | 2 x / 2                    | 2 x / 2                    | 2 x / 2                    | 2 x / 2                    |
| 3.5                 | Number of wheels, front / rear (x=driven)                                         |           |       | 930                        | 930                        | 930                        | 930                        | 938                        |
| 3.6                 | Truck width (center of tyres), front                                              | b10       | mm    | 898                        | 898                        | 898                        | 898                        | 898                        |
| 3.7                 | Truck width (center of tyres), rear                                               | b11       | mm    |                            |                            |                            |                            |                            |
| DIMENSIONS          |                                                                                   |           |       |                            |                            |                            |                            |                            |
| 4.1                 | Mast tilt, forwards / backwards                                                   | α / β     | °     | 5 / 7.5                    | 5/7.5                      | 5/7.5                      | 5/7.5                      | 5/7.5                      |
| 4.2                 | Height with mast lowered (see tables)                                             | h1        | mm    | 2125                       | 2125                       | 2125                       | 2125                       | 2125                       |
| 4.3                 | Free lift (see tables)                                                            | h2        | mm    | 80                         | 80                         | 80                         | 80                         | 80                         |
| 4.4                 | Lift height (see tables)                                                          | h3        | mm    | 3290                       | 3290                       | 3290                       | 3290                       | 3290                       |
| 4.5                 | Overall height with mast raised                                                   | h4        | mm    | 4335                       | 4335                       | 4335                       | 4335                       | 4335                       |
| 4.7                 | Height to top of overhead guard                                                   | h6        | mm    | 2050                       | 2050                       | 2050                       | 2050                       | 2050                       |
| 4.8                 | Seat height                                                                       | h7        | mm    | 1035                       | 1035                       | 1035                       | 1035                       | 1035                       |
| 4.12                | Tow coupling height                                                               | h10       | mm    | 520                        | 520                        | 520                        | 520                        | 520                        |
| 4.19                | Overall length                                                                    | l1        | mm    | 3152                       | 3152                       | 3260                       | 3260                       | 3275                       |
| 4.20                | Length to fork face (includes fork thickness)                                     | l2        | mm    | 2002                       | 2002                       | 2110                       | 2110                       | 2125                       |
| 4.21                | Overall width                                                                     | b1/b2     | mm    | 1090                       | 1090                       | 1090                       | 1090                       | 1140                       |
| 4.22                | Fork dimensions (thickness, width, length)                                        | s / e / l | mm    | 35 x 100 x 1150            | 35 x 100 x 1150            | 35 x 100 x 1150            | 35 x 100 x 1150            | 35 x 100 x 1150            |
| 4.23                | Fork carriage to DIN 15 173 A/B/no                                                |           |       | 2A                         | 2A                         | 2A                         | 2A                         | 2A                         |
| 4.24                | Fork carriage width                                                               | b3        | mm    | 920                        | 920                        | 920                        | 920                        | 920                        |
| 4.31                | Ground clearance under mast, with load                                            | m1        | mm    | 95                         | 95                         | 95                         | 95                         | 95                         |
| 4.32                | Ground clearance at center of wheelbase, with load (forks lowered)                | m2        | mm    | 95                         | 95                         | 95                         | 95                         | 95                         |
| 4.33                | Working aisle width with 1000 x 1200 mm pallets, crosswise                        | Ast       | mm    | 3333                       | 3333                       | 3441                       | 3441                       | 3455                       |
| 4.34a               | Working aisle width with 800 x 1200 mm pallets, lengthwise                        | Ast       | mm    | 3456                       | 3456                       | 3564                       | 3564                       | 3579                       |
| 4.35                | Turning circle radius                                                             | Wa        | mm    | 1662                       | 1662                       | 1770                       | 1770                       | 1770                       |
| 4.36                | Minimum distance between centers of rotation                                      | b13       | mm    | 0                          | 0                          | 0                          | 0                          | 0                          |
| PERFORMANCE         |                                                                                   |           |       |                            |                            |                            |                            |                            |
| 5.1                 | Travel speed, with / without load                                                 |           | km/h  | 17 / 17                    | 17 / 17                    | 17 / 17                    | 17 / 17                    | 17 / 17                    |
| 5.2                 | Lifting speed, with / without load                                                |           | m/s   | 0.52 / 0.62                | 0.46 / 0.62                | 0.52 / 0.62                | 0.46 / 0.62                | 0.62 / 0.42                |
| 5.3                 | Lowering speed, with / without load                                               |           | m/s   | 0.56 / 0.56                | 0.56 / 0.56                | 0.56 / 0.56                | 0.56 / 0.56                | 0.56 / 0.56                |
| 5.5                 | Rated drawbar pull, with / without load                                           |           | N     | 4900 / 5200                | 4800 / 5100                | 4900 / 5200                | 4800 / 5100                | 4700 / 5100                |
| 5.6                 | Maximum drawbar pull, with / without load (5 min short duty)                      |           | N     | 14900 / 15200              | 14900 / 15200              | 15000 / 15300              | 14900 / 15200              | 14800 / 15200              |
| 5.7                 | Gradeability, with / without load                                                 |           | %     | 15 / 25                    | 14 / 23                    | 15 / 26                    | 14 / 23                    | 12 / 21                    |
| 5.8                 | Maximum gradeability, with / without load                                         |           | %     | 27 / 35                    | 26 / 35                    | 27 / 35                    | 26 / 35                    | 24 / 35                    |
| 5.9                 | Acceleration time (10 metres) with / without load                                 |           | s     | 4.1 / 3.8                  | 4.2 / 3.8                  | 4.0 / 3.8                  | 4.2 / 3.8                  | 3.9 / 4.4                  |
| 5.10                | Service brakes (mechanical / hydraulic / electric / pneumatic)                    |           |       | electric                   | electric                   | electric                   | electric                   | electric                   |
| ELECTRIC MOTORS     |                                                                                   |           |       |                            |                            |                            |                            |                            |
| 6.1                 | Drive motor capacity (60 min. short duty)                                         |           | kW    | 2 x 5.5                    | 2 x 5.5                    | 2 x 5.5                    | 2x5.5                      | 2x5.5                      |
| 6.2                 | Lift motor output at 15% duty factor                                              |           | kW    | 10                         | 10                         | 10                         | 10                         | 10                         |
| 6.3                 | Battery to DIN 43 531 / 35 / 36 A/B/C/no                                          |           |       | DIN 43531 A/no             | DIN 43531 A/no             | DIN 43531 A/no             | DIN 43531 A/no             | DIN 43531 A/no             |
| 6.4                 | Battery voltage/capacity at 5-hour discharge                                      |           | V/Ah  | 500-625                    | 500-625                    | 625-750                    | 625-750                    | 625-750                    |
| 6.5                 | Battery weight                                                                    |           | kg    | 679                        | 679                        | 679                        | 812                        | 812                        |
| 6.6a                | Energy consumption according to EN 16796                                          |           | kWh/h | 3.9                        | 4.2                        | 3.9                        | 4.2                        | 4.5                        |
| MISCELLANEOUS       |                                                                                   |           |       |                            |                            |                            |                            |                            |
| 8.1                 | Type of drive control                                                             |           |       | AC                         | AC                         | AC                         | AC                         | AC                         |
| 10.1                | Maximum operating pressure for attachments                                        |           | bar   | 210                        | 210                        | 210                        | 210                        | 210                        |
| 10.2                | Oil flow for attachments                                                          |           | l/min | 30                         | 30                         | 30                         | 30                         | 30                         |
| 10.7                | Noise level, value at operator's ear (EN 12053)                                   |           | dB(A) | 65                         | 65                         | 65                         | 65                         | 65                         |
| 10.8                | Towing coupling design / DIN type, ref.                                           |           |       | DIN15170-H                 | DIN15170-H                 | DIN15170-H                 | DIN15170-H                 | DIN15170-H                 |

**EDIA EM**

**ELECTRIC  
COUNTERBALANCE**

**FB16 - 20A(C)N  
Series**

**4 wheel models**

1.6 - 2.0 tonnes



# MAST PERFORMANCE AND CAPACITY

**EDIA EM**

## FB16 - 20A(C)N Series

### 4 wheel models

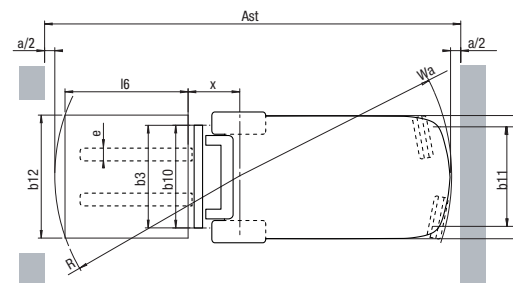
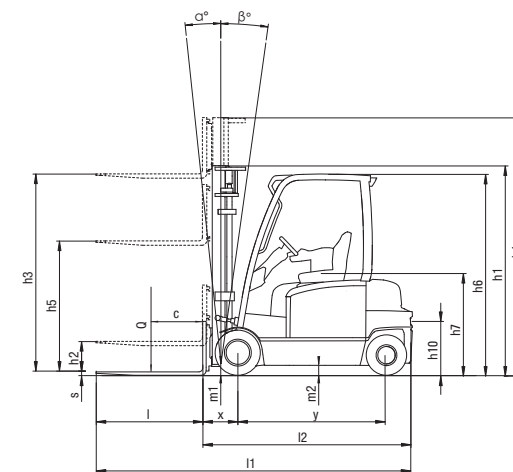


| MAST TYPE | FB16-20A(C)N |       |       |            |                                 |         | FB16ACN              | FB18ACN              | FB16AN               | FB18AN               | FB20AN               |
|-----------|--------------|-------|-------|------------|---------------------------------|---------|----------------------|----------------------|----------------------|----------------------|----------------------|
|           | h3 mm        | h1 mm | h4 mm | h2 / h5 mm | tilt angle fwd /<br>rew degrees |         | Q@<br>c=500 mm<br>kg | Q@<br>c=500 mm<br>kg | Q@<br>c=500 mm<br>kg | Q@<br>c=500 mm<br>kg | Q@<br>c=500 mm<br>kg |
|           |              |       |       |            | STD                             | CABIN   |                      |                      |                      |                      |                      |
| SIMPLEX   | 2000**       | 1480* | 3045  | 80         | 5 / 6                           | N.A.    | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 2560**       | 1760* | 3605  | 80         | 5 / 6                           | 5 / 5   | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 2760**       | 1860* | 3805  | 80         | 5 / 7.5                         | 5 / 6   | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 3000         | 1980* | 4045  | 80         | 5 / 7.5                         | 5 / 6   | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 3290         | 2125  | 4335  | 80         | 5 / 7.5                         | 5 / 7.5 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 3530**       | 2245  | 4575  | 80         | 5 / 7.5                         | 5 / 7.5 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 3720         | 2385  | 4765  | 80         | 5 / 7.5                         | 5 / 7.5 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 4090         | 2570  | 5135  | 80         | 5 / 7.5                         | 5 / 7.5 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 4480         | 2775  | 5525  | 80         | 5 / 5                           | 5 / 5   | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 5000         | 3035  | 6045  | 80         | 5 / 5                           | 5 / 5   | 1525                 | 1725                 | 1600                 | 1775                 | 1950                 |
|           | 5500         | 3285  | 6545  | 80         | 5 / 3.5                         | 5 / 3.5 | 1475                 | 1650                 | 1550                 | 1725                 | 1875                 |
|           | 6000         | 3535  | 7045  | 80         | 5 / 3.5                         | 5 / 3.5 | 1225                 | 1225                 | 1500                 | 1500                 | 1825                 |
| DUPLEX    | 2800**       | 1880* | 3845  | 835        | 5 / 6                           | 5 / 6   | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 3000         | 1980* | 4045  | 935        | 5 / 6                           | 5 / 6   | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 3295         | 2125  | 4340  | 1080       | 5 / 6                           | 5 / 6   | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 3515**       | 2245  | 4560  | 1200       | 5 / 6                           | 5 / 6   | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 3700         | 2385  | 4745  | 1340       | 5 / 6                           | 5 / 6   | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 4030         | 2570  | 5075  | 1525       | 5 / 6                           | 5 / 6   | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
| TRIPLEX   | 3710         | 1780* | 4755  | 735        | 5 / 6                           | 5 / 3.5 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 4010         | 1880* | 5055  | 835        | 5 / 6                           | 5 / 3.5 | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 4310         | 1980* | 5355  | 935        | 5 / 6                           | 5 / 5   | 1600                 | 1800                 | 1600                 | 1800                 | 2000                 |
|           | 4750         | 2125  | 5795  | 1080       | 5 / 6                           | 5 / 5   | 1600                 | 1750                 | 1600                 | 1800                 | 2000                 |
|           | 5090         | 2245  | 6135  | 1200       | 5 / 3.5                         | 5 / 3.5 | 1550                 | 1700                 | 1600                 | 1750                 | 1925                 |
|           | 5490         | 2385  | 6535  | 1340       | 5 / 3.5                         | 5 / 3.5 | 1500                 | 1600                 | 1550                 | 1700                 | 1900                 |
|           | 5990         | 2570  | 7035  | 1525       | 5 / 3.5                         | 5 / 3.5 | 1400                 | 1600                 | 1450                 | 1625                 | 1800                 |
|           | 6490         | 2830  | 7535  | 1785       | 5 / 3.5                         | 5 / 3.5 | 1350                 | 1400                 | 1400                 | 1400                 | 1600                 |
|           | 7000         | 3035  | 8045  | 1990       | 5 / 3.5                         | 5 / 3.5 | 1100                 | 1100                 | 1100                 | 1100                 | 1300                 |

\* Lower than overhead guard \*\*CSM

| BATTERY DIMENSIONS             |    | 16ACN       | 18ACN       | 16AN        | 18AN        | 20AN        |
|--------------------------------|----|-------------|-------------|-------------|-------------|-------------|
| Battery voltage                | V  | 48          | 48          | 48          | 48          | 48          |
| Capacity at a 5-hour discharge | Ah | 500 / 625   | 500 / 625   | 625 / 750   | 625 / 750   | 625 / 750   |
| Battery weight, Min.           | kg | 679 / 812   | 679 / 812   | 812 / 900   | 812 / 900   | 812 / 900   |
| Battery weight, Max.           | kg | 1000 / 1000 | 1000 / 1000 | 1160 / 1160 | 1160 / 1160 | 1160 / 1160 |
| BATTERY BOX DIMENSIONS         |    |             |             |             |             |             |
| Length                         | mm | 522         | 522         | 630         | 630         | 630         |
| Width                          | mm | 830 / 1006  | 830 / 1006  | 830 / 1006  | 830 / 1006  | 830 / 1006  |
| Height                         | mm | 627         | 627         | 627         | 627         | 627         |
| BATTERY COMPARTMENT SIZE       |    |             |             |             |             |             |
| Length                         | mm | 532         | 532         | 640         | 640         | 640         |
| Width                          | mm | 850 / 1018  | 850 / 1018  | 850 / 1018  | 850 / 1018  | 850 / 1018  |
| Height                         | mm | 690 (660*)  | 690 (660*)  | 690 (660*)  | 690 (660*)  | 690 (660*)  |

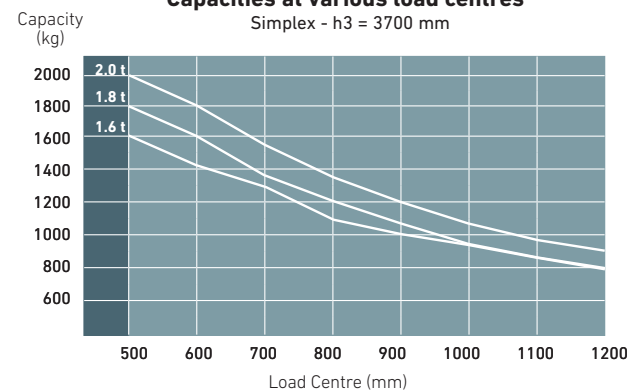
\*With battery exchange rolls



- Ast =  $Wa + R + a$
- Ast = Working aisle width
- Wa = Turning radius
- a = Safety clearance =  $2 \times 100 \text{ mm}$
- R =  $\sqrt{(l6 + x)^2 + (b12 / 2 - b13)^2}$
- b12 = Pallet width (1200 mm)
- h1 = Height with mast lowered
- h2 = Standard free lift
- h3 = Lift height
- h4 = Height with mast raised
- h5 = Full free lift
- Q = Lifting capacity, rated load
- c = Load centre (distance)

### Capacities at various load centres

Simplex - h3 = 3700 mm



# STANDARD EQUIPMENT & OPTIONS

- = Standard
- = Option

|                                                                                                                          | FB14ANT | FB16ACNT | FB18ACNT | FB16ANT | FB18ANT | FB20ANT        | FB16ACN | FB18ACN | FB16AN | FB18AN | FB20AN |
|--------------------------------------------------------------------------------------------------------------------------|---------|----------|----------|---------|---------|----------------|---------|---------|--------|--------|--------|
| 3 WHEEL MODELS                                                                                                           |         |          |          |         |         | 4 WHEEL MODELS |         |         |        |        |        |
| <b>GENERAL</b>                                                                                                           |         |          |          |         |         |                |         |         |        |        |        |
| 3- and 4- Wheel chassis, 48 Volts, front wheel drive                                                                     | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Operator selectable economy or high performance modes ECO/PRO                                                            | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Multifunctional colour display (Hour meter, BDI,...)                                                                     | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Lift tilt interlock and hydraulic and drive interlock / PDS                                                              | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Tiltable steering column                                                                                                 | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Full electrical brakes                                                                                                   | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Battery compartment side door and opening battery hood cover                                                             | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| SST (Seat Switch Timeout: all functions are disabled – truck enters 'stop mode' and park brake is automatically applied) | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Basic overhead guard                                                                                                     | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Trucktool setup and diagnostics                                                                                          | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Rapid sideway battery exchange chassis (SWE)                                                                             | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Chassis-integrated roller bed (FOR BATTERY SWE)                                                                          | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Special (RAL) colour for frame                                                                                           | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| <b>HYDRAULIC</b>                                                                                                         |         |          |          |         |         |                |         |         |        |        |        |
| 3 valve hydraulic fingertip control mounted on adjustable armrest                                                        | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| 4th & 5th hydraulic options                                                                                              | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Manual lever hydraulic control                                                                                           | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Hydraulic accumulator for smoother load handling on rough surfaces                                                       | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| <b>MAST, FORKS AND CARRIAGE</b>                                                                                          |         |          |          |         |         |                |         |         |        |        |        |
| Load Backrest                                                                                                            | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Passive sway control for mast at high lifts                                                                              | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Simplex, Duplex or Triplex masts, from 3m to 7m                                                                          | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Forks 900mm - 2000mm                                                                                                     | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Sideshifter W920mm                                                                                                       | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Integrated Sideshifter W920mm                                                                                            | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Integrated Fork Positioner with sideshift                                                                                | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Load weight indicator, in 50kg increments                                                                                | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Performance reduction from 2m to 3.5m mast (above standard)                                                              | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| <b>DRIVE AND LIFT CONTROLS</b>                                                                                           |         |          |          |         |         |                |         |         |        |        |        |
| Variable speed control on all hydraulic functions                                                                        | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Curve control                                                                                                            | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Armrest direction control                                                                                                | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Automatic tilt centering via the F2 button on fingertip controller                                                       | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Tilt centering second function. Two pcs. of angle memories                                                               | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Forward-reverse direction selection lever on steering column                                                             | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Dual pedal system - forward and reverse                                                                                  | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |
| Operator presence pedal                                                                                                  | ●       | ●        | ●        | ●       | ●       | ●              | ●       | ●       | ●      | ●      | ●      |

**EDIA EM**

**FB14-20 A(C)N(T) Series**

**ELECTRIC-POWERED  
FORKLIFT TRUCKS**

1.4 – 2.0 tonnes



Basic overhead guard.



Multifunctional colour display (Hour meter, BDI,...).



LED working lights, 2 front and 1 rear.



Manual lever hydraulic control.



Dual pedal system - forward and reverse.



Deluxe cabin

# STANDARD EQUIPMENT & OPTIONS

- = Standard
- = Option

|                                                                                                   | FB14ANT | FB16ACNT | FB18ACNT | FB16ANT | FB18ANT | FB20ANT | FB16ACN        | FB18ACN | FB16AN | FB18AN | FB20AN |
|---------------------------------------------------------------------------------------------------|---------|----------|----------|---------|---------|---------|----------------|---------|--------|--------|--------|
| 3 WHEEL MODELS                                                                                    |         |          |          |         |         |         | 4 WHEEL MODELS |         |        |        |        |
| ELECTRIC                                                                                          |         |          |          |         |         |         |                |         |        |        |        |
| LED working lights, 2 front and 1 rear                                                            | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Automated reversing light                                                                         | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Automatic light switch                                                                            | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Amber strobe light                                                                                | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Road light kit                                                                                    | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Electronic back-up smart alarm                                                                    | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| "Blue Point" safety light, located rear and/or front                                              | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Pin code access                                                                                   | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| 5V USB connector output 2x 2.5A (max. 4.4A)                                                       | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| 240W, 12V Power supply for accessories                                                            | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| OHG AND CABIN                                                                                     |         |          |          |         |         |         |                |         |        |        |        |
| Grammer MSG65 vinyl with seat belt switch                                                         | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Grammer MSG65 or MSG75 with options vinyl / cloth / heater / backrest extension / Armrest (MSG65) | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Swivel seat                                                                                       | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Plexi roof cover                                                                                  | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Panel cabin: Front screen with wiper + roof with crane opening                                    | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Panel cabin: Economy. Front screen without wiper, plexi roof cover                                | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Panel cabin steel doors                                                                           | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Panel cabin rear screen                                                                           | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| PVC doors                                                                                         | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Heater for cabin                                                                                  | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Interior package, including radio with speakers, roof lining, reading light.                      | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Deluxe cabin, including wind screen with wiper, roof, steel doors, heater and interior lining.    | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Rear view mirror, Basic / Outside / Wide view                                                     | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| List bracket - A4                                                                                 | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Storage plastic locker                                                                            | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Sun visor                                                                                         | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Accessory rack                                                                                    | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| RAM-Mounts dummy, D-series                                                                        | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| RAM-Mounts computer rack, C-series                                                                | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| RAM-Mounts scanner rack, C-series                                                                 | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Powder fire extinguisher                                                                          | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Narrow Overhead guard for drive in racking                                                        | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| TYRES                                                                                             |         |          |          |         |         |         |                |         |        |        |        |
| Solid pneumatic tyres                                                                             | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Solid non-marking tyres                                                                           | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| ENVIRONMENT                                                                                       |         |          |          |         |         |         |                |         |        |        |        |
| Hot area hydraulic oil, VG46                                                                      | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Cold area hydraulic oil, VG15                                                                     | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Hydraulic oil food grade                                                                          | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Bio grade oil                                                                                     | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |
| Cold store option, (to -35C)                                                                      | ●       | ●        | ●        | ●       | ●       | ●       | ●              | ●       | ●      | ●      | ●      |

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1.4 – 2.0 tonnes

# WHEN RELIABILITY IS EVERYTHING...



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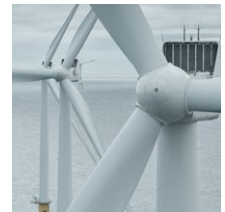
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[mitforklift@mcfe.nl](mailto:mitforklift@mcfe.nl)

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