

## Multi directional forklift TFC35 series



**MiMA**  
Min. space Max. performance

## Long Material Handling and Storage Solutions

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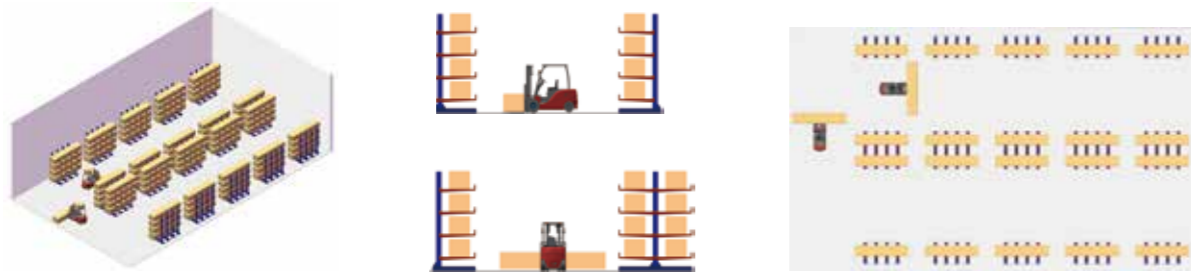


Website

**MiMA**<sup>®</sup>  
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# Narrow Aisle

6 meters long material, rack width can be as low as 2800mm



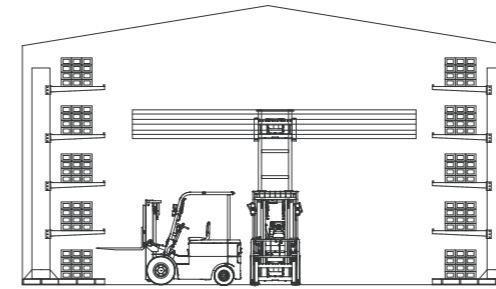
Electric counterbalanced forklift



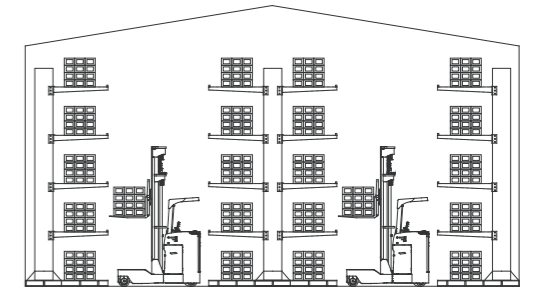
Multi directional forklift

# High Storage Capacity

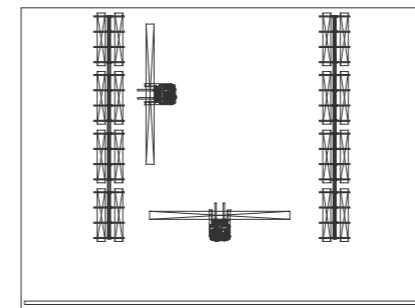
Compared with the traditional rack layout, the storage capacity can be increased by at least 2 times.



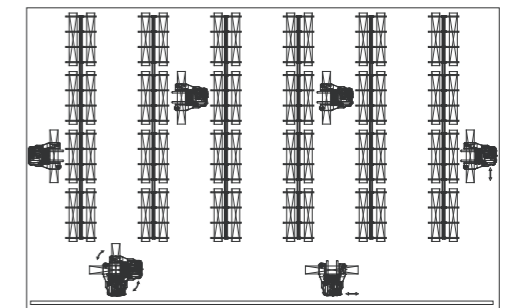
The longer the material length, the larger the aisle demand. It's serious waste of space.



The material length is no effect on the aisle width. The multi directional forklift has a side travel mode.



Long material storage mode  
Counterbalanced forklift



Long material storage mode  
Multi direction forklift

## Multi-directional Forklift VS Counterbalanced Forklift

### Multi directional forklift

- The same storage area, the storage capacity increases by more than 200%
- Rack height has increased by 100% ( $\geq 8M$ )
- Aisle width has decreased by more than 60%  
Note: The longer the material, the more obvious the advantage.
- 👉 Stacking operation without turning, more convenient
- 👉 Long material handling and stacking, more safer

### Electric counterbalanced forklift

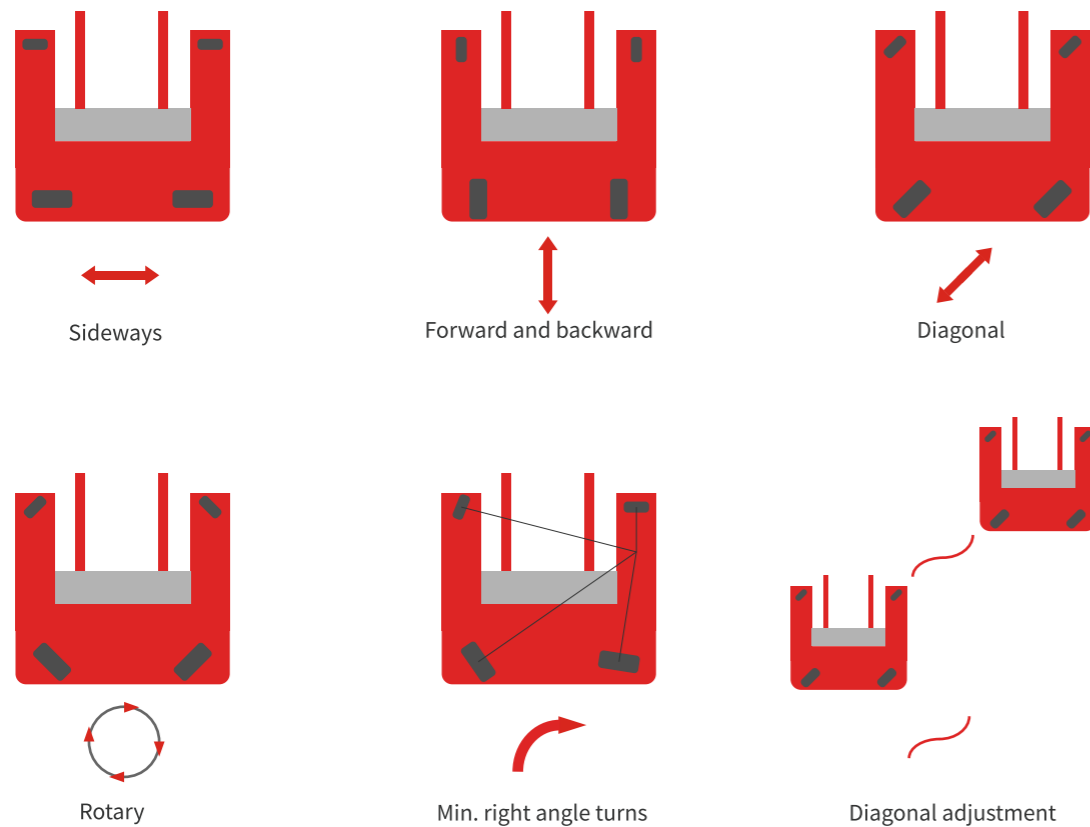
- Very few pallet positions
- Large rack aisle width
- Low rack height,  $\leq 5M$
- Unsafety



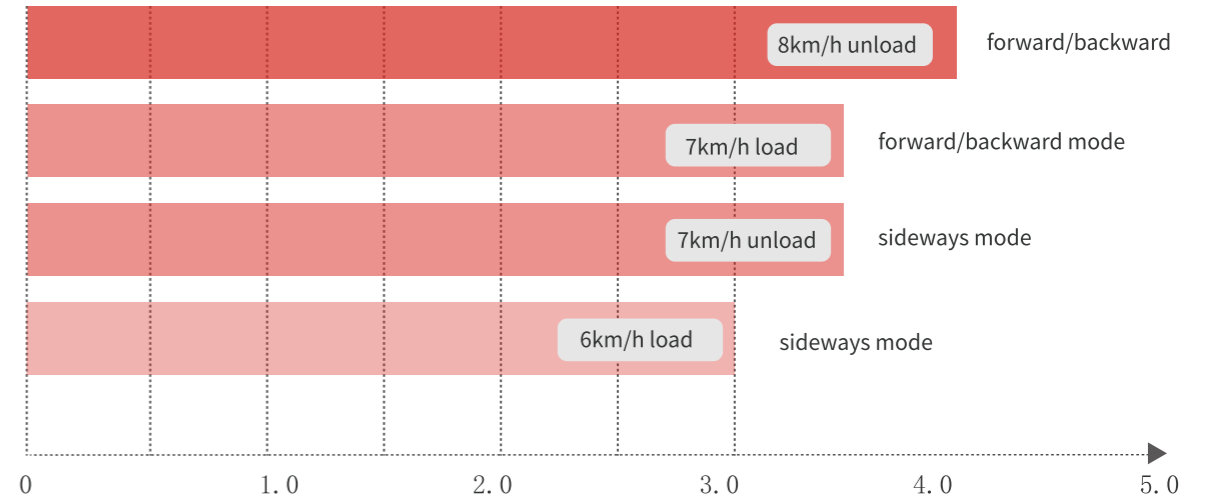
# Multi Driving Modes



TFC35 series with 3,500kg rated capacity and 3,000-8,000mm lifting height. The vehicle has multi driving modes, different modes can be quickly switched with one button. It can be flexibly driven in various indoor/outdoor working conditions, ensuring high efficiency and safety for long material handling.



# High Speed Driving



Two sets of super-power AC drive motors provide abundant power. Two sets of drive assemblies are equipped with electromagnetic brakes, dual brake mode ensures excellent braking performance.

|                               |                         |
|-------------------------------|-------------------------|
| Lifting height                | 3000--8000mm            |
| Rated capacity                | 3500kg                  |
| Load centre                   | 600mm                   |
| Fork tilt, forward/backward   | 2°/4°                   |
| Max.gradeability, load/unload | 8%/8%                   |
| Drive motor                   | AC 8KW×2                |
| Lifting motor                 | 15KW                    |
| Battery                       | 48V560AH                |
| Tire type                     | Solid rubber tires(all) |

# Indoors and Outdoors Using



Solid rubber tire



Dual drive, dual electromagnetic braking

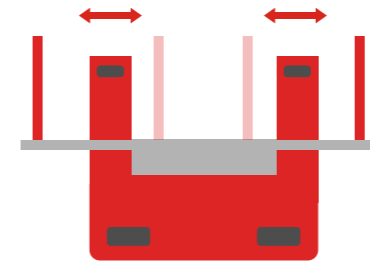
The forklift is equipped with front and rear solid rubber tires, which can adapt to various indoor and outdoor ground conditions. The high chassis design has excellent trafficability. Besides, the forklift adopts a high-power AC drive motor with a better climbing performance.



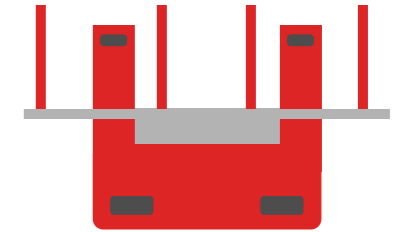
TFC35 series multi directional forklift, the chassis is a dual-drive four-pivot structure with strong power.

TFC35 is equipped with an electric steering system as standard. The mast system adopts a special semi-frame structure design for multi directional forklift, and the fork frame system is also specially designed to ensure the stability of the mast and forks when handling and storing long materials, with stable movements and safer operation.

# Various configuration



Fork Positioner (Standard)



Four forks (option)



Integrated handle Easy operation (Standard)



Smart display (Standard)



270 ° good vision, safe operation



Seated driving, more comfortable



Lead-acid battery/lithium battery



# Specification

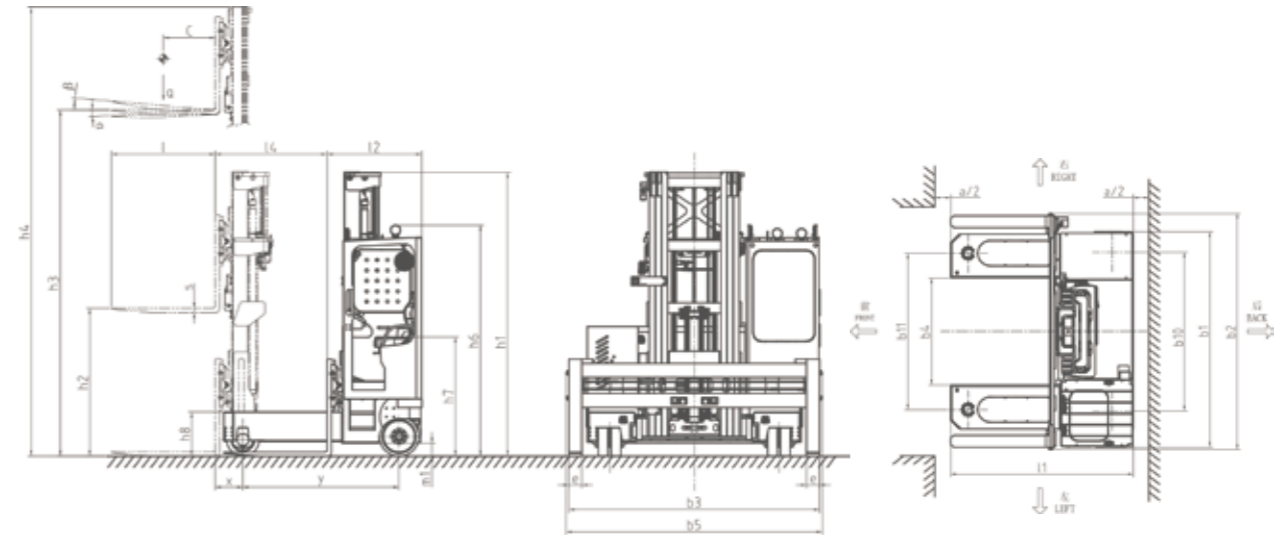
| Standard    |   |                |                   |
|-------------|---|----------------|-------------------|
| 1.1         | Manufacturer  |                | MIMA              |
| 1.2         | Model   |                | TFC35             |
| 1.3         | Series  |                | TFC               |
| 1.4         | Power type  |                | Battery           |
| 1.5         | Operation type                                      |                | Seated            |
| 1.6         | Load capacity                                       | Q (kg)         | 3500              |
| 1.7         | Load centre   | c (mm)         | 600               |
| 1.8         | Front overhang                                      | x (mm)         | 325               |
| 1.9         | Wheelbase   | y (mm)         | 1810              |
| Weights     |   |                |                   |
| 2.1         | Service weight (incl.battery)                       | kg             | 6370 <sup>①</sup> |
| Tyres       |   |                |                   |
| 3.1         | Tyre type   |                | Rubber            |
| 3.2         | Tyre size, front                                    |                | 14×5/φ356×127     |
| 3.3         | Tyre size, rear                                     |                | 16×7/φ406×178     |
| 3.4         | Auxiliary tyre                                      | mm             | -                 |
| 3.5         | Number of wheels, front/rear, X=drive               |                | 4/2X              |
| 3.6         | Tread, drive side                                   | b11 (mm)       | 1712              |
| 3.7         | Tread, load side                                    | b10 (mm)       | 1760              |
| Dimensions  |   |                |                   |
| 4.1         | Mast tilt, forward/backward                         | α/β (°)        | 2/4               |
| 4.2         | Mast closed height                                  | h1 (mm)        | 3043              |
| 4.3         | Free lift height                                    | h2 (mm)        | 1958              |
| 4.4         | Lift height   | h3 (mm)        | 6000              |
| 4.5         | Mast extended height                                | h4 (mm)        | 7135              |
| 4.6         | Overhead guard height                               | h6 (mm)        | 2674 <sup>*</sup> |
| 4.7         | Seat height   | h7 (mm)        | 1365              |
| 4.8         | Leg height  | h8 (mm)        | 470               |
| 4.9         | Overall length                                      | l1 (mm)        | 2300              |
| 4.10        | Length to face of forks                             | l2 (mm)        | 1100              |
| 4.11        | Overall width                                       | b1/b2 (mm)     | 2435/2860         |
| 4.12        | Fork size   | s / e / l (mm) | 50/150/1200       |
| 4.13        | Fork outside width                                  | b5 (mm)        | 610~2800          |
| 4.14        | Inner distance between legs                         | b4 (mm)        | 1150              |
| 4.15        | Forward distance                                    | l4 (mm)        | 1300              |
| 4.16        | Ground clearance, centre of wheelbase               | m1 (mm)        | 124               |
| Performance |   |                |                   |
| 5.1         | Driving speed at forward/backward mode, load/unload | km/h           | 7~8               |
| 5.2         | Driving speed at sideways mode, load/unload         | km/h           | 6~7               |
| 5.3         | Gradeability, load/unload                           | %              | 8/8               |
| 5.4         | Braking type  |                | Electromagnetic   |
| Driving     |   |                |                   |
| 6.1         | Drive motor, S2=60                                  | kW             | 2×8               |
| 6.2         | Lift motor, S3=15%                                  | kW             | 15                |
| 6.3         | Battery voltage/capacity K5                         | (V)/(Ah)       | 48/560            |
| 6.4         | Battery weight                                      | kg             | 910               |
| Others      |   |                |                   |
| 7.1         | Type of drive control                               |                | AC                |
| 7.2         | Sound level at driver's ear                         | dB(A)          | 70                |

Note:①The weight varies with different lifting heights and configurations.②The height without light is 2547mm

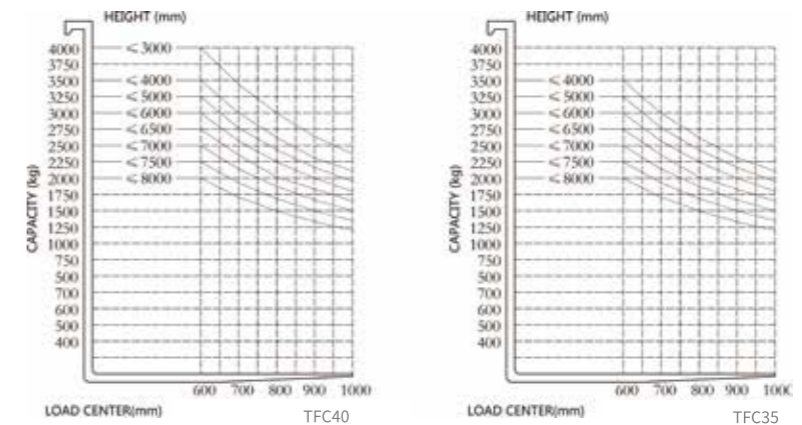
# Mast Specification

| Duplex Mast            |        |         |         |         |         |         |         |
|------------------------|--------|---------|---------|---------|---------|---------|---------|
| Model                  | MQC35  | 35-30   | 35-35   | 35-40   | 35-45   |         |         |
| Lift height            | h3(mm) | 3000    | 3500    | 4000    | 4500    |         |         |
| Mast extended height   | h4(mm) | 4135    | 4635    | 5135    | 5635    |         |         |
| Mast closed height     | h1(mm) | 2542    | 2792    | 3092    | 3392    |         |         |
| Free lift height       | h2(mm) | 0       | 0       | 0       | 0       |         |         |
| Triplex full-free Mast |        |         |         |         |         |         |         |
| Model                  | MQC35  | 35SQ-45 | 35SQ-50 | 35SQ-55 | 35SQ-60 | 35SQ-65 | 35SQ-70 |
| Lift height            | h3(mm) | 4500    | 5000    | 5500    | 6000    | 6500    | 7000    |
| Mast extended height   | h4(mm) | 5635    | 6135    | 6635    | 7135    | 7635    | 8135    |
| Mast closed height     | h1(mm) | 2542    | 2709    | 2876    | 3043    | 3210    | 3377    |
| Free lift height       | h2(mm) | 1457    | 1624    | 1791    | 1958    | 2125    | 2292    |

# Product 2D View



# Product 2D View



# Customers Cases

