



# 1 Electirc forklift



**I 1.5t four wheel  
single driving motor  
counterbalance electric forklift**



**II 1.6-2t three wheels dual driving  
motors counterbalance electric forklift**



**III 1.6-2t four wheels dual driving  
motors counterbalance electric forklift**



**IV 2.0-3.5t four wheel single  
driving motor counterbalance  
electric forklift**



**V 5-6t four wheel dual driving  
motors counterbalance electric forklift**



**VI Full electric pallet stacker**



**VII Full electric pallet trucker**

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## Diesel + LPG forklift

**VIII 2t-3.5t Chinese/Japanese engine  
diesel forklift**



**IX 2t-3.5t Chinese/Japanese engine LPG  
forklift**



## I 1.5T Four wheel single driving motor counterbalance electric forklift

### Standard configuration:

two-stage 3m mast 1070mm fork,

Domestically famous walking and lifting motor,

Lead acid or lithium battery, intelligent charger,

pneumatic tire, front operation,



#### OPTION 01



Domestically famous walking and lifting motor

#### OPTION 02



Suspended seats with OPS system

#### OPTION 03



Exported electric control

#### OPTION 04



Large capacity domestically famous batteries 80V404AH (Torch)

#### OPTION 05



domestically famous CST solid tire

#### OPTION 06



multifunctional display screen

#### OPTION 07



LED light

#### OPTION 08



Wide operating space, front operating system

**Model: EF315**



|                |                                                           |           |        |             |
|----------------|-----------------------------------------------------------|-----------|--------|-------------|
| Characteristic | Rated lifting weight                                      |           | kg     | 1500        |
|                | Load center distance                                      |           | mm     | 500         |
|                | Overhang                                                  |           | mm     | 340         |
|                | Front overhang                                            |           | mm     | 434         |
|                | Wheelbase                                                 |           | mm     | 1400        |
|                | Total weight (With battery)                               |           | kg     | 3380        |
| Size           | Total length (To vertical surface of fork)                |           | mm     | 2174        |
|                | Total width                                               |           | mm     | 1080        |
|                | Height of overhead guard                                  |           | mm     | 2027        |
|                | Standard mast height that does not rise                   |           | mm     | 1990        |
|                | Standard mast Maximum stretch height                      |           | mm     | 4060        |
|                | Standard mast inclination( Lean forward/Reclining)        |           | deg    | 6/9         |
|                | Ground clearance of frame                                 |           | mm     | 115         |
|                | Ground clearance of standard mast                         |           | mm     | 100         |
|                | Standard mast Free lifting height                         |           | mm     | 120         |
|                | Turning radius (Smallest outside)                         |           | mm     | 1900        |
|                | Maximum fork height (Rated lifting weight)                |           | mm     | 3000        |
|                | Minimum theoretical width of right-angle channel          |           | mm     | 2065        |
|                | Minimum theoretical width of right-angle stacking channel |           | mm     | 3330        |
|                | The smallest x The largest                                |           | mm     | 100x1040    |
| performance    | Maximum travel speed (No load)                            |           | km/h   | 15          |
|                | Lifting speed (fully loaded/No load)                      |           | mm/s   | 340\420     |
|                | speed of decent(fully loaded/No load)                     |           | mm/s   | 500\500     |
|                | Largest traction(fully loaded/No load)                    |           | N      | 10600\11060 |
|                | Maximum grade (fully loaded)                              |           | %      | 15          |
| Tires          | Front wheel                                               |           |        | 21x8-9      |
|                | Rear wheel                                                |           |        | 16x6-8      |
| power system   | Battery                                                   | LEAD ACID | v/ah   | 48/300-450  |
|                |                                                           | LITHIUM   | v/ah   | 48/200-300  |
|                | Travel power of walking motor                             |           | Kw/rpm | 8           |
|                | Lifting motor rated power                                 |           | Kw/rpm | 11          |
|                | Controller form                                           |           |        | AC          |

## II 1.6-2T Three wheels dual driving motors counterbalance electric forklift

### Standard configuration:

two-stage 3m mast, 1070mm fork, imported double driving motor, imported double transission, imported hydraulic parts, imported gearbox, Lead acid or lithium battery, intelligent charger, solid tire, Suspension seat, Side operation.



#### OPTION 01



imported German  
SCHABMULLER double  
drive motor

#### OPTION 02



imported electric control

#### OPTION 03



side operation and  
Suspended seats

#### OPTION 04



Large capacity domestically  
famous batteries

#### OPTION 05



domestically famous CST  
solid tire

#### OPTION 06



Three fulcrums

#### OPTION 07



KDS lifting motor and Eckerle  
lifting pump

#### OPTION 08



imported Italian PMP  
gearbox

**Model: EF416E EF418E EF420E**



|              |                                                        |           |        | EF416E      | EF418E      | EF420E      |
|--------------|--------------------------------------------------------|-----------|--------|-------------|-------------|-------------|
| feature      | Rated lifting weight                                   |           | kg     | 1600        | 1800        | 2000        |
|              | Load center distance                                   |           | mm     | 500         | 500         | 500         |
|              | Back Overhang distance                                 |           | mm     | 190         | 190         | 190         |
|              | Front overhang distance                                |           | mm     | 340         | 340         | 340         |
|              | Axis distance                                          |           | mm     | 1500        | 1500        | 1500        |
|              | Total weight (no load)                                 |           | kg     | 3210        | 3350        | 3520        |
| size         | Total length (To vertical surface of fork)             |           | mm     | 2030        | 2035        | 2035        |
|              | Total width                                            |           | mm     | 1080        | 1140        | 1140        |
|              | Height of overhead guard                               |           | mm     | 2040        | 2040        | 2040        |
|              | No lifting height of Standard mast                     |           | mm     | 2010        | 2010        | 2010        |
|              | Maximum fork height at rated lifting                   |           | mm     | 3000        | 3000        | 3000        |
|              | maximum stretch height of mast                         |           | mm     | 4080        | 4080        | 4080        |
|              | Standard door inclination (Lean forward/backward)      |           | deg    | 7/7         | 7/7         | 7/7         |
|              | Clearance between frame and ground                     |           | mm     | 100         | 100         | 100         |
|              | Clearance between standard mast and ground             |           | mm     | 80          | 80          | 80          |
|              | Standard Mast Lifting height                           |           | mm     | 140         | 140         | 140         |
|              | Turning radius(minimum outside)                        |           | mm     | 1700        | 1700        | 1700        |
|              | Minimum theoretical width of right-angle channel       |           | mm     | 2170        | 2170        | 2170        |
|              | Minimum theoretical width of right-angle stack channel |           | mm     | 3725        | 3725        | 3725        |
|              | Range of fork spacing (maximum x minimum)              |           | mm     | 200x970     | 200x970     | 200x970     |
| performance  | Maximum travel speed (unloaded)                        |           | Km/h   | 18/17.5     | 18/17.5     | 18/17.5     |
|              | Lifting speed (load/unloaded)                          |           | Mm/s   | 500/600     | 400/550     | 400/550     |
|              | speed of decline (unloaded)                            |           | Mm/s   | 500/500     | 500/500     | 500/500     |
|              | main traction force                                    |           | N      | 12500/12300 | 12200/12150 | 12100/12000 |
|              | Maximum grade (loaded)                                 |           | %      | 25          | 24          | 22          |
| Tires        | Front wheel                                            |           |        | 18x7-8      | 18x7-8      | 18x7-8      |
|              | Rear wheel                                             |           |        | 16x6-8      | 16x6-8      | 16x6-8      |
| power system | Battery                                                | Lead acid | v/ah   | 48/200-540  | 48/200-540  | 48/200-540  |
|              |                                                        | Lithium   | v/ah   | 48/200-400  | 48/200-400  | 48/200-400  |
|              | walking motor rated power                              |           | Kw/rpm | 4.8x2       | 4.8x2       | 4.8x2       |
|              | Lifting motor rated power                              |           | Kw/rpm | 11          | 11          | 11          |
|              | Controller form                                        |           |        | AC          | AC          | AC          |

### III 1.6-2T four wheels dual driving motors counterbalance electric forklift

#### Standard configuration:

two-stage 3m mast, 1070mm fork, imported double driving motor, imported double transission, imported hydraulic parts, imported gearbox, Lead acid or lithium battery, intelligent charger, solid tire, Suspension seat, Side operation.



#### OPTION 01



imported German  
SCHABMULLER double  
drive motor

#### OPTION 02



imported electric control

#### OPTION 03



Suspended seats

#### OPTION 04



Large capacity domestically  
famous batteries

#### OPTION 05



domestically famous CST  
solid tire

#### OPTION 06



side operation

#### OPTION 07



KDS lifting motor and Eckerle  
lifting pump

#### OPTION 08



imported Italian PMP  
gearbox

**Model: EF416 EF418 EF420**



|                        |                                                        |                                      |             | EF416       | EF418       | EF420      |         |
|------------------------|--------------------------------------------------------|--------------------------------------|-------------|-------------|-------------|------------|---------|
| feature                | Rated lifting weight                                   |                                      | kg          | 1600        | 1800        | 2000       |         |
|                        | Load center distance                                   |                                      | mm          | 500         | 500         | 500        |         |
|                        | Back Overhang distance                                 |                                      | mm          | 250         | 250         | 250        |         |
|                        | Front overhang distance                                |                                      | mm          | 355         | 355         | 355        |         |
|                        | Axis distance                                          |                                      | mm          | 1500        | 1500        | 1500       |         |
|                        | Total weight with battery (no load)                    |                                      | kg          | 3250        | 3380        | 3550       |         |
|                        | Total length (To vertical surface of fork)             |                                      | mm          | 2090        | 2095        | 2095       |         |
|                        | Total width                                            |                                      | mm          | 1080        | 1140        | 1140       |         |
| size                   | Height of overhead guard                               |                                      | mm          | 2040        | 2040        | 2040       |         |
|                        | No lifting height of Standard mast                     |                                      | mm          | 2010        | 2010        | 2010       |         |
|                        | Maximum fork height at rated lifting                   |                                      | mm          | 3000        | 3000        | 3000       |         |
|                        | maximum stretch height of mast                         |                                      | mm          | 4080        | 4080        | 4080       |         |
|                        | Standard door inclination (Lean forward/backward)      |                                      | deg         | 7/7         | 7/7         | 7/7        |         |
|                        | Clearance between frame and ground                     |                                      | mm          | 100         | 100         | 100        |         |
|                        | Clearance between standard mast and ground             |                                      | mm          | 80          | 80          | 80         |         |
|                        | Standard Mast Lifting height                           |                                      | mm          | 140         | 140         | 140        |         |
|                        | Turning radius(minimum outside)                        |                                      | mm          | 1970        | 1970        | 1970       |         |
|                        | Minimum theoretical width of right-angle channel       |                                      | mm          | 2170        | 2170        | 2170       |         |
|                        | Minimum theoretical width of right-angle stack channel |                                      | mm          | 3725        | 3725        | 3725       |         |
|                        | Range of fork spacing (maximum x minimum)              |                                      | mm          | 200x970     | 200x970     | 200x970    |         |
|                        | performance                                            | Maximum travel speed (load/unloaded) |             | Km/h        | 17.5/18     | 17.5/18    | 17.5/18 |
|                        |                                                        | Lifting speed (load/unloaded)        |             | Mm/s        | 450/550     | 450/550    | 380/550 |
|                        |                                                        | speed of decline (load/unloaded)     |             | Mm/s        | 500/500     | 500/500    | 500/500 |
| main traction force    |                                                        | N                                    | 12500/12300 | 12200/12150 | 12100/12000 |            |         |
| Maximum grade (loaded) |                                                        | %                                    | 25          | 24          | 22          |            |         |
| Tires                  | Front wheel                                            |                                      |             | 20x5-10     | 20x5-10     | 20x5-10    |         |
|                        | Rear wheel                                             |                                      |             | 18x7-8      | 16x6-8      | 18x7-8     |         |
| power system           | Battery                                                | Lead acid                            | v/ah        | 48/200-540  | 48/200-540  | 48/200-540 |         |
|                        |                                                        | Lithium                              | v/ah        | 48/200-400  | 48/200-400  | 48/200-400 |         |
|                        | walking motor rated power                              |                                      | Kw/rp<br>m  | 4.8X2       | 4.8X2       | 4.8X2      |         |
|                        | Lifting motor rated power                              |                                      | Kw/rp<br>m  | 11          | 11          | 11         |         |
|                        | Controller form                                        |                                      |             | AC          | AC          | AC         |         |

## IV 2.0-3.5T Economic four wheel single driving motor counterbalance electric forklift

**Standard configuration:**  
two-stage 3m mast 1070mm fork,  
Domestically famous walking and lifting motor,  
Lead acid or lithium battery, intelligent charger,  
pneumatic tire, front operation,



**OPTION 01**



famous walking and lifting  
motors

**OPTION 02**



Suspended seats with OPS  
system

**OPTION 03**



Famous electric control

**OPTION 04**



Large capacity domestically  
famous batteries 80V200-400AH

**OPTION 05**



domestically famous tire

**OPTION 06**



Switching between  
Chinese and English  
display screen

**OPTION 07**



Side opening charging port

**OPTION 08**



Side opening charging port

**Model: EF320 EF325 EF330 EF335**



| Characteristic                   | Model                                                     |                                                    |                                     | EF 320        | EF 325        | EF 330        | EF 335        |
|----------------------------------|-----------------------------------------------------------|----------------------------------------------------|-------------------------------------|---------------|---------------|---------------|---------------|
|                                  | Rated lifting capacity                                    |                                                    | kg                                  | 2000          | 2500          | 3000          | 3500          |
|                                  | Load center                                               |                                                    | mm                                  | 500           | 500           | 500           | 500           |
| Size                             | Standard 2 stage mast                                     | lifting height                                     | mm                                  | 3000          | 3000          | 3000          | 3000          |
|                                  |                                                           | Free lifting height                                | mm                                  | 150           | 150           | 150           | 150           |
|                                  | Fork                                                      | Thickness × width × length                         | mm                                  | 45×125×1220   | 45×125×1220   | 45×125×1220   | 50×125×1220   |
|                                  | Fork spacing range                                        | minimum × maximum                                  | mm                                  | 250×1100      | 250×1100      | 250×1100      | 250×1100      |
|                                  | Gantry inclination angle                                  | Tilting forward/backward                           | deg                                 | 6\12          | 6\12          | 6\12          | 6\12          |
|                                  | Dimensions                                                | Total length (To the vertical surface of the fork) | mm                                  | 2530          | 2580          | 2680          | 2730          |
|                                  |                                                           | Width                                              | mm                                  | 1260          | 1260          | 1260          | 1260          |
|                                  |                                                           | Minimum height of gantry                           | mm                                  | 1990          | 1990          | 2230          | 2230          |
|                                  |                                                           | Maximum extension height of the gantry             | mm                                  | 4060          | 4060          | 4265          | 4365          |
|                                  |                                                           | Overhead guard height                              | mm                                  | 2250          | 2250          | 2250          | 2250          |
|                                  | Minimum theoretical width of right angle channel          |                                                    | mm                                  | 2065          | 2065          | 2380          | 2400          |
|                                  | Minimum theoretical width of right angle stacking channel |                                                    | mm                                  | 3530          | 3530          | 4380          | 4400          |
|                                  | Turning radius                                            | minimum outside                                    | mm                                  | 2065          | 2065          | 2480          | 2500          |
|                                  | Performance                                               | Speed                                              | Maximum travel speed(load/unloaded) | km\h          | 15/15         | 15/15         | 18/15         |
| Lifting speed (load/unloaded)    |                                                           |                                                    | mm\s                                | 350/420       | 350/420       | 330/430       | 330/430       |
| speed of decline (load/unloaded) |                                                           |                                                    | mm\s                                | 500/500       | 500/500       | 500/500       | 500/500       |
| Maximum traction force           |                                                           | load/unloaded                                      | N                                   | 12900/12390   | 12300/12000   | 13200/13500   | 14000/14600   |
| Max Gradeability                 |                                                           | load/unloaded                                      | %                                   | 15/20         | 15/20         | 15/20         | 15/20         |
|                                  | Total weight                                              | No-load (with battery)                             | kg                                  | 3920          | 4080          | 4200          | 4390          |
| Frame                            | Tire (Pneumatic/solid)                                    | front wheel                                        |                                     | 21x8-9        | 21x8-9        | 28×9-15       | 28×9-15       |
|                                  |                                                           | Rear-wheel                                         |                                     | 16x6-8        | 16x6-8        | 6.50-10       | 6.50-10       |
|                                  | Wheelbase                                                 | Distance                                           | mm                                  | 1500          | 1500          | 1750          | 1750          |
|                                  | Front overhang                                            |                                                    | mm                                  | 300           | 300           | 500           | 500           |
|                                  | Rear overhang                                             |                                                    | mm                                  | 465           | 465           | 450           | 500           |
|                                  | Ground clearance                                          | Frame                                              | mm                                  | 115           | 115           | 120           | 120           |
|                                  |                                                           | Gantry                                             | mm                                  | 100           | 100           | 140           | 140           |
| Dynamical system                 | battery                                                   | Lead acid                                          | v/ah                                | 80V/200-540AH | 80V/200-540AH | 80V/200-540AH | 80V/200-540AH |
|                                  |                                                           | Lithium                                            | v/ah                                | 80V/200-500AH | 80V/200-500AH | 80V/200-500AH | 80V/200-500AH |
|                                  |                                                           | Rated power                                        | kw\rpm                              | 12            | 12            | 16.6          | 16.6          |
|                                  |                                                           | Rated power                                        | kw\rpm                              | 16            | 16            | 21            | 21            |

## V 5-6T four wheel dual driving motors counterbalance electric forklift

**Standard configuration: two-stage 3m mast, standard 1070mm fork, imported double walking motors, imported lifting motors, imported double gearboxes, imported electronic control, imported hydraulic parts, Lead acid or lithium battery, intelligent fast charger, solid tire, Gramer Suspension seat, finger control system**



**OPTION 01**



Superec double drive motor

**OPTION 02**



imported electric control

**OPTION 03**



Fingertip operating system  
Imported from Germany

**OPTION 04**



Large capacity domestically famous batteries

**OPTION 05**



Domestically famous CST solid tire

**OPTION 06**



imported Grammer seat

**OPTION 07**



imported German SCHABMULLER lifting motor

**OPTION 08**



imported Italian PMP gearbox

**Model: EF450 EF460**



| characteristic | Rated lifting weight                                      |           | kg     | 5000          | 6000          |
|----------------|-----------------------------------------------------------|-----------|--------|---------------|---------------|
|                | Load center distance                                      |           | mm     | 500           | 500           |
|                | Overhang                                                  |           | mm     | 409           | 409           |
|                | Front overhang                                            |           | mm     | 565           | 565           |
|                | Wheelbase                                                 |           | mm     | 2000          | 2000          |
|                | total weight (No load With battery)                       |           | kg     | 8000          | 8000          |
| size           | Total length (To vertical surface of fork)                |           | mm     | 2975          | 2975          |
|                | Total width                                               |           | mm     | 1496          | 1496          |
|                | Height of overhead guard                                  |           | mm     | 2300          | 2300          |
|                | Standard mast height that does not rise                   |           | mm     | 2300          | 2300          |
|                | Standard mast Maximum stretch height                      |           | mm     | 4110          | 4110          |
|                | Maximum fork height (Rated lifting weight)                |           | mm     | 3000          | 3000          |
|                | Standard mast inclination( Lean forward/Reclining)        |           | deg    | 6/6           | 6/6           |
|                | Ground clearance of frame                                 |           | mm     | 140           | 140           |
|                | Standard mast Free lifting height                         |           | mm     | 170           | 170           |
|                | Turning radius (Smallest outside)                         |           | mm     | 150           | 150           |
|                | Minimum theoretical width of right-angle channel          |           | mm     | 2650          | 2650          |
|                | Minimum theoretical width of right-angle stacking channel |           | mm     | 2650          | 2650          |
|                | Fork pitch range                                          |           | mm     | 4750          | 4750          |
|                | The smallest x The largest                                |           | mm     | 300x1350      | 300x1350      |
| performance    | Maximum travel speed (No load)                            |           | Km/h   | 18/16         | 18/16         |
|                | Lifting speed (fully loaded/No load)                      |           | Mm/s   | 400/500       | 400/500       |
|                | speed of decent(fully loaded/No load)                     |           | Mm/s   | 450/450       | 450/450       |
|                | Largest traction(fully loaded/No load)                    |           | N      | 25720\23950   | 25720\23950   |
|                | Maximum grade (fully loaded)                              |           | %      | 20            | 20            |
| Tires          | Front wheel                                               |           |        | 28x12.5-15    | 28x12.5-15    |
|                | Rear wheel                                                |           |        | 21x8-9        | 21x8-9        |
| Power system   | Battery                                                   | Lead acid | v/ah   | 80v/400-720ah | 80v/400-720ah |
|                |                                                           | Lithium   | v/ah   | 80v/400-600ah | 80v/400-600ah |
|                | Rated power of walking motor                              |           | Kw/rpm | 2x12          | 2x12          |
|                | Rated power of lifting motor                              |           | Kw/rpm | 25. 5         | 25. 5         |
|                | Controller form                                           |           |        | Ac            | Ac            |

# VI Full electric pallet stacker

Standard configuration:

TWO LEVEL STANDARD MAST 3000MM,

LOAD LIFTING CAPACITY, EQUIPPED WITH 210AH POWER BATTERY  
50 AH EXTERNAL HORIZONTAL CHARGER, VERTICAL WALKING AC MOTOR,  
DC LIFTING MOTOR

LOAD 2000KG WITH 210AH POWERBATTERY 50A EXTERNAL  
HORIZONTAL CHARGERVERTICAL WALKING AC MOTOR DC LIFTING MOTOR

## PRODUCT DETAILS

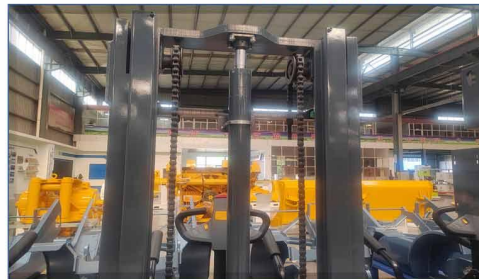
THE HANDLE ADOPTS LIN COMMUNICATION WIRING,  
MAKING WIRING SIMPLE AND MAINTENANCE MORE CONVENIENT

01.



TWO LEVEL STANDARD GANTRY, STANDARD LIFTING CAPACITY OF 3000MM,  
LOAD LIFTING CAPACITY, EQUIPPED WITH 210AH POWER BATTERY,  
50A EXTERNAL HORIZONTAL CHARGER, VERTICAL WALKING AC MOTOR,  
DC LIFTING MOTOR

02.

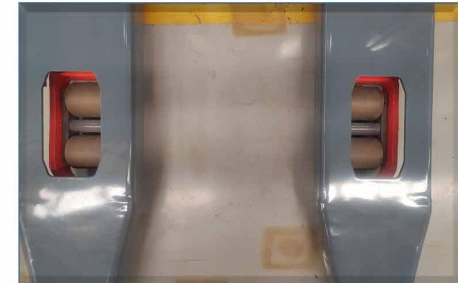


03.



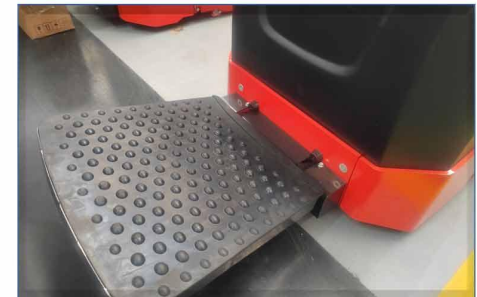
STRONG ACCELERATION, QUICK CHANGE OF DRIVING DIRECTION, ANTI SLIP  
PHENOMENON ON SLOPES, NO CARBON  
BRUSHES - MAINTENANCE FREE DRIVE MOTOR

04.



THE STATION DRIVING PALLET CARTIS FLEXIBLE IN OPERATION,  
AND COMFORTABLE IN WALKING AND FAST AND STABLE IN STATION DRIVING

05.



Model: ES315

## VI Full electric pallet stacker



| characteristic | model                                                                                   |           | ES315       |
|----------------|-----------------------------------------------------------------------------------------|-----------|-------------|
|                | Power type                                                                              |           | Battery     |
|                | Driving style                                                                           |           | stand       |
|                | Rated load                                                                              | Q(kg)     | 1500        |
|                | Load center distance                                                                    | C(mm)     | 600         |
|                | Front overhang                                                                          | x(mm)     | 737         |
|                | wheelbase                                                                               | y(mm)     | 1390        |
| weight         | Vehicle weight (including battery)                                                      | kg        | 1100        |
|                | Bridge load at full load, drive side/load bearing side                                  | kg        | 1052/1548   |
|                | Bridge load when unloaded, drive side/load bearing side                                 | kg        | 495/305     |
| tires          | Tire type, drive side/load bearing side                                                 |           | PU          |
|                | Tire size, load-bearing side                                                            | mm        | Φ80×70      |
|                | Tire size, drive side                                                                   | mm        | Φ230×75     |
|                | Stable wheel size                                                                       | mm        | Φ125×50     |
|                | Number of wheels, front/rear (x=drive wheels)                                           |           | 4/1x+2      |
|                | Track width, drive side                                                                 | b10(mm)   | 630/770     |
|                | Track width, load-bearing side                                                          | b11(mm)   | 490/380     |
| size           | Gate frame closing height                                                               | h1(mm)    | 2025        |
|                | Free lifting height                                                                     | h2(mm)    | /           |
|                | Lifting height                                                                          | h3(mm)    | 3000        |
|                | The maximum height of the gantry during lifting                                         | h4(mm)    | 3506        |
|                | Handle height min/max                                                                   | h14(mm)   | 1100/1390   |
|                | The minimum ground clearance of the fork surface                                        | h13(mm)   | 90          |
|                | Vehicle length pedal retracted                                                          | l1(mm)    | 2110        |
|                | Vehicle width                                                                           | b1/b2(mm) | 850/1000    |
|                | Fork size                                                                               | l/e/s(mm) | 1150/190/56 |
|                | Outer distance of fork                                                                  | b5(mm)    | 680/570     |
|                | Gate frame ground clearance                                                             | m1(mm)    | 30          |
|                | Channel width (1000 x 1200 pallets) load center C500mm pedal retracted                  | Ast(mm)   | 2490        |
|                | Right angle stacking channel width (pallet 800x1200)Load center C600mm, pedal retracted | Ast(mm)   | 2450        |
|                | Turning radius pedal retracted                                                          | Wa(mm)    | 1655        |

## Standard configuration:



|             |                                                     |          |                                   |
|-------------|-----------------------------------------------------|----------|-----------------------------------|
| performance | Driving speed, full/empty                           | km/h     | 5.0/6.0                           |
|             | Lifting speed, full/empty load                      | mm/s     | 90/130                            |
|             | Descent speed, full/empty                           | mm/s     | 110/130                           |
|             | Maximum climbing ability, full/empty load (S2-5min) | %(tanθ ) | ≤8/≤10                            |
| drive       | Braking method                                      |          | electromagnetism                  |
|             | Drive motor power (S2-60min)                        | kw       | 1.5                               |
|             | Power of lifting motor (S3-15%)                     | kw       | 2                                 |
|             | Lithium Battery, voltage/rated capacity             | V/Ah     | 24/160                            |
|             | Battery weight                                      | kg       | 200                               |
|             | steering system                                     |          | Electronic steering               |
| other       | Battery replacement method                          |          | Side pull type                    |
|             | Door frame series                                   |          | Single cylinder double door frame |

# VI Full electric pallet stacker

Standard configuration:

LOAD LIFTING CAPACITY, EQUIPPED WITH 210AH POWER BATTERY  
50 AH EXTERNAL HORIZONTAL CHARGER, VERTICAL WALKING AC MOTOR,  
DC LIFTING MOTOR



01.

THE HANDLE ADOPTS LIN  
COMMUNICATION WIRING,  
MAKING WIRING SIMPLE AND  
MAINTENANCE MORE CONVENIENT

04.

LOAD 2000KG WITH  
210AH POWER  
BATTERY 50A EXTERNAL  
HORIZONTAL CHARGER  
VERTICAL WALKING AC  
MOTOR DC LIFTING MOTOR



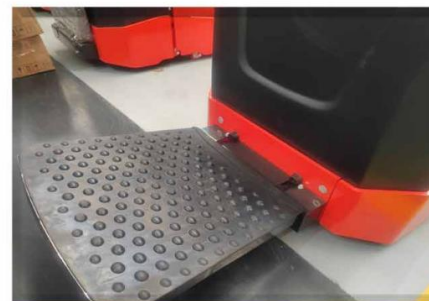
02.

STRONG ACCELERATION, QUICK  
CHANGE OF DRIVING DIRECTION,  
ANTI SLIP PHENOMENON ON  
SLOPES, NO CARBON  
BRUSHES - MAINTENANCE  
FREE DRIVE MOTOR



03.

THE STATION  
DRIVING PALLET CART  
IS FLEXIBLE IN OPERATION,  
SAFE AND COMFORTABLE  
IN WALKING AND FAST AND  
STABLE IN STATION DRIVING



**Model: EP320**



| characteristic | model                                                                                   |           | EP320       |
|----------------|-----------------------------------------------------------------------------------------|-----------|-------------|
|                | Power type                                                                              |           | Battery     |
|                | Driving style                                                                           |           | stand       |
|                | Rated load                                                                              | Q(kg)     | 2000        |
|                | Load center distance                                                                    | C(mm)     | 600         |
|                | Front overhang                                                                          | x(mm)     | 865         |
|                | wheelbase                                                                               | y(mm)     | 1345        |
| weight         | Vehicle weight (including battery)                                                      | kg        | 630         |
|                | Bridge load at full load, drive side/load bearing side                                  | kg        | 920/1756    |
|                | Bridge load when unloaded, drive side/load bearing side                                 | kg        | 547/129     |
| tires          | Tire type, drive side/load bearing side                                                 |           | PU          |
|                | Tire size, load-bearing side                                                            | mm        | Φ80×70      |
|                | Tire size, drive side                                                                   | mm        | Φ230×75     |
|                | Stable wheel size                                                                       | mm        | Φ125×50     |
|                | Number of wheels, front/rear (x=drive wheels)                                           |           | 4/1x+2      |
|                | Track width, drive side                                                                 | b10(mm)   | 476         |
|                | Track width, load-bearing side                                                          | b11(mm)   | 510         |
| size           | Vehicle height                                                                          | h1(mm)    | 1430        |
|                | Lifting height                                                                          | h3(mm)    | 200         |
|                | Fork height,lowered                                                                     | h13(mm)   | 85          |
|                | stand height                                                                            | h4(mm)    | 155         |
|                | Handle height min/max                                                                   | h5(mm)    | 1080-1340   |
|                | Over weight                                                                             | b1(mm)    | 730         |
|                | Vehicle length pedal retracted                                                          | l1(mm)    | 1900-2310   |
|                | Outer distance of fork                                                                  | b2(mm)    | 680         |
|                | Fork size                                                                               | l/e/s(mm) | 1150/190/56 |
|                | Gate frame ground clearance                                                             | m1(mm)    | 35          |
|                | Channel width (1000 x 1200 pallets) load center C500mm pedal retracted                  | Ast(mm)   | 22050/2500  |
|                | Right angle stacking channel width (pallet 800x1200)Load center C600mm, pedal retracted | Ast(mm)   | 22100/2550  |
|                | Turning radius pedal retracted                                                          | Wa(mm)    | 1730/2065   |



|             |                                                     |          |                                      |
|-------------|-----------------------------------------------------|----------|--------------------------------------|
| performance | Driving speed, full/empty                           | km/h     | 6/6                                  |
|             | Lifting speed, full/empty load                      | mm/s     | 40/55                                |
|             | Descent speed, full/empty                           | mm/s     | 35/35                                |
|             | Maximum climbing ability, full/empty load (S2-5min) | %(tanθ ) | ≤6/≤15                               |
| drive       | Braking method                                      |          | electromagnetism                     |
|             | Drive motor power (S2-60min)                        | kw       | 1.5                                  |
|             | Power of lifting motor (S3-15%)                     | kw       | 2.2                                  |
|             | Lithium Battery, voltage/rated capacity             | V/Ah     | 24/210                               |
|             | Battery weight                                      | kg       | 200                                  |
|             | steering system                                     |          | Electronic steering                  |
| other       | Battery replacement method                          |          | Side pull type                       |
|             | Door frame series                                   |          | Single cylinder<br>double door frame |

## VIII 2t-3.5t Chinese/Japanese engine diesel forklift

Standard configuration:

two-stage 3m mast 1070mm fork, Chinese or Japanese engine pneumatic, front Operation.

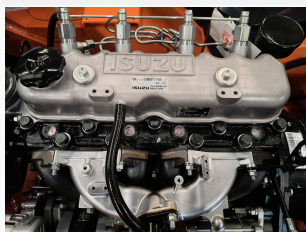


Main Performance and Technical Parameters of DF20-35

| No. | Item                                      | Unit | Parameter |
|-----|-------------------------------------------|------|-----------|
| 1   | Rated lifting capacity                    | kg   | 2000-3500 |
| 2   | load center                               | mm   | 500       |
| 3   | Maximum lifting height                    | mm   | 3000      |
| 4   | Maximum descent speed at full load        | mm/s | 450       |
| 5   | Maximum lifting speed at full load        | mm/s | 430       |
| 6   | Maximum driving speed without load        | km/h | 20        |
| 7   | Maximum driving speed at full load        | km/h | 18.5      |
| 8   | Grade ability                             | %    | 20        |
| 9   | minimum turning radius                    | mm   | 2420      |
| 10  | Gate frame inclination angle (front/rear) | °    | 6 12      |
| 11  | Minimum ground clearance (door frame)     | mm   | 145       |
| 12  | wheelbase                                 | mm   | 1700      |
| 13  | Front wheelbase                           | mm   | 1000      |
| 14  | Rear wheelbase                            | mm   | 980       |
| 15  | Full length (without fork)                | mm   | 2716      |
| 16  | Full width                                | mm   | 1225      |
| 17  | Full height                               | mm   | 2192      |
| 18  | Total Weight                              | kg   | 4310      |

# Important Accessories

## OPTION 01



Famous brand engine

## OPTION 02



Suspended seats with safe belt

## OPTION 03



Brand Multi way Valve

## OPTION 04



Energy saving LED lights

## OPTION 05



domestically famous tire

## OPTION 06



Switching between Chinese and English display screen

## OPTION 07



Oil filler

## OPTION 08



Wide field of view back pipe mast

# IX 2t-3.5t Chinese/Japanese engine LPG forklift

Standard configuration:

two-stage 3m mast 1070mm fork, Chinese or Japanese engine pneumatic, LPG system, front Operation.

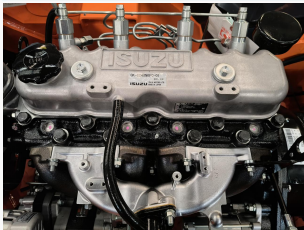


Main Performance and Technical Parameters of DF20-35

| No. | Item                                      | Unit | Parameter |
|-----|-------------------------------------------|------|-----------|
| 1   | Rated lifting capacity                    | kg   | 2000-3500 |
| 2   | load center                               | mm   | 500       |
| 3   | Maximum lifting height                    | mm   | 3000      |
| 4   | Maximum descent speed at full load        | mm/s | 450       |
| 5   | Maximum lifting speed at full load        | mm/s | 430       |
| 6   | Maximum driving speed without load        | km/h | 20        |
| 7   | Maximum driving speed at full load        | km/h | 18.5      |
| 8   | Grade ability                             | %    | 20        |
| 9   | minimum turning radius                    | mm   | 2420      |
| 10  | Gate frame inclination angle (front/rear) | °    | 6 12      |
| 11  | Minimum ground clearance (door frame)     | mm   | 145       |
| 12  | wheelbase                                 | mm   | 1700      |
| 13  | Front wheelbase                           | mm   | 1000      |
| 14  | Rear wheelbase                            | mm   | 980       |
| 15  | Full length (without fork)                | mm   | 2716      |
| 16  | Full width                                | mm   | 1225      |
| 17  | Full height                               | mm   | 2192      |
| 18  | Total Weight                              | kg   | 4310      |

# Important Accessories

## OPTION 01



Famous brand engine

## OPTION 02



Suspended seats with safe belt

## OPTION 03



Brand Multi way Valve

## OPTION 04



Energy saving LED lights

## OPTION 05



domestically famous tire

## OPTION 06



Switching between Chinese and English display screen

## OPTION 07



LPG

## OPTION 08



Wide field of view back pipe mast



3171

|                                                                                                                                                                                   |                                                                                    |                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                                                                                  |                                                                                    |  |
| <b>国家化学品分类鉴别与评估重点实验室 (山东)</b>                                                                                                                                                     |                                                                                    |                                                                                   |
| <b>检测报告</b>                                                                                                                                                                       |                                                                                    |                                                                                   |
| 编号: 17090010040000000000                                                                                                                                                          | 委托单位: 天津中研院                                                                        | 检测日期: 20170901                                                                    |
| 地址: 烟台路 300000                                                                                                                                                                    | 检测地点: 天津中研院                                                                        | 报告编号: 17090010040000000000                                                        |
| 地址 (Add): 山东省烟台市芝罘区南京路 99 号                                                                                                                                                       | 电子邮箱: <a href="mailto:sd@cnas.org.cn">sd@cnas.org.cn</a>                           | 检测人: 张永强                                                                          |
| 样品名称                                                                                                                                                                              | 中文名称                                                                               | 英文名称                                                                              |
| 委托单位                                                                                                                                                                              | 山东华泰集团股份有限公司                                                                       |                                                                                   |
| 生产单位                                                                                                                                                                              | 烟台华泰集团股份有限公司                                                                       |                                                                                   |
| 分析/检测/评价                                                                                                                                                                          | 危险性评价/理化性质                                                                         | 样品来源/数量                                                                           |
| 检测依据                                                                                                                                                                              | 联合国《关于危险货物运输的建议书 规章范本》(第二十三修订版)<br>联合国《全球化学品统一分类和标签制度》(第十修订版)<br>《危险化学品目录》(2015 版) |                                                                                   |
| 检测结果                                                                                                                                                                              | 规格书: RDV 4046A 32320Wh<br>一、基本信息<br>1. 组分 (企业申报): /<br>2. 样品特征: 红褐色固体 (无数据 2 项)。   |                                                                                   |
| <b>二、鉴定结论</b>                                                                                                                                                                     |                                                                                    |                                                                                   |
| 1. 正式检测项目: 危险化学品鉴别、技术数据 (鉴别): /<br>2. 综合检测项目: /?/?/<br>3. 检测项目数量: /?<br>4. 建议检测项目: /?<br>5. 检测费用: / 元/项<br>6. 收费标准: 危险化学品鉴别 (2015 版) 按照《化学品鉴别、评估》<br>注: 委托方须支付检测材料费, 以上费用均由委托方支付。 |                                                                                    |                                                                                   |
| 授权签字人:                                                                                                                                                                            | _____                                                                              | 印鉴:                                                                               |
| 签发日期: 2017-09-01                                                                                                                                                                  |                                                                                    |                                                                                   |
| *****                                                                                                                                                                             |                                                                                    |                                                                                   |

## Identification and Classification Report for Transport of Goods

[illegible]

## Type test certificate

|                                                                                    |  |                                                                                      |  |
|------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------|--|
| <div>TX</div>                                                                      |  | <h1>特 种 设 备<br/>型式试验合格证</h1>                                                         |  |
|                                                                                    |  | No. TX 5110-030-2021 0004                                                            |  |
| 制造单位:                                                                              |  | 山东恒基集团股份有限公司                                                                         |  |
| 制造地址:                                                                              |  | 山东省菏泽市郓城县工业园区金河路东段苏庄桥<br>西 300 米路南                                                   |  |
| 产品品种:                                                                              |  | 叉车                                                                                   |  |
| 型号规格:                                                                              |  | EF 型 6.0t                                                                            |  |
| 总图图号:                                                                              |  | EF460-0000000000                                                                     |  |
| 型式试验报告编号:                                                                          |  | CJ2021FNG00004                                                                       |  |
| 覆盖范围:                                                                              |  | 同一品种同一型号的产品其主要参数由高向低覆盖                                                               |  |
| 经对样机技术文件审查及检验与试验, 确认符合《场(厂)内专<br>用机动车辆安全技术监督规程》(TSG N0001-2017)中型式试验的要求。           |  |                                                                                      |  |
| 发证日期:                                                                              |  | 2021 年 03 月 31 日                                                                     |  |
| 福建省特种设备检验检测院                                                                       |  |  |  |
| 注: (一) 本证以对样机试验的认可, 对样机本身的质量与使用寿命, 不做任何保证。<br>(二) 证中封套有安全责任保证产品符合标准规定和保证产品与样机的一致性。 |  |                                                                                      |  |



A photograph showing two red Toyota forklifts parked on a dirt surface in front of a large industrial building. The forklift on the left is a standard model, while the one on the right is a counterbalanced model with a yellow mast and a yellow counterweight. Both are marked with the Toyota logo. A yellow pallet is visible between them.A yellow forklift is shown loading a white semi-trailer with a flatbed trailer. The forklift is positioned on the flatbed, and its mast is raised, carrying a white box. The semi-trailer is parked on a paved lot, and a large white building is visible in the background. The sky is clear and blue.



# THANKS

2025-01-01

