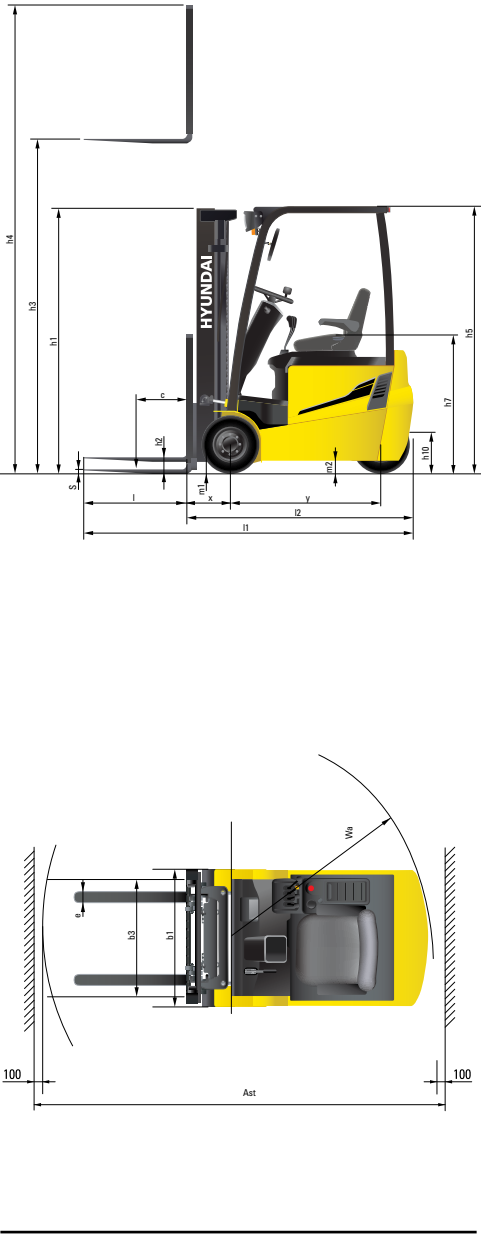


Dimension



Specification

| Identification   |                                                                           |              |                 |                 |
|------------------|---------------------------------------------------------------------------|--------------|-----------------|-----------------|
| 1.1              | Manufacturer                                                              | HYUNDAI      |                 |                 |
| 1.2              | Manufacturer's type designation                                           | 15BT-9       | 18BT-9          | 20BT-9          |
| 1.3              | Drive : electric (battery or mains), diesel, petrol, fuel gas, manual     | Electric     | Electric        | Electric        |
| 1.4              | Type of operation : hand, pedestrian, standing, seated, order-picker      | Seated       | Seated          | Seated          |
| 1.5              | Load capacity / rated load                                                | Q kg         | 1,500           | 1,800           |
| 1.6              | Load center distance                                                      | c mm         | 500             | 500             |
| 1.8              | Load distance, center of front axle to fork                               | x mm         | 360             | 360             |
| 1.9              | Wheelbase                                                                 | y mm         | 1,335           | 1,420           |
| 1,420            |                                                                           |              |                 |                 |
| Weights          |                                                                           |              |                 |                 |
| 2.1              | Service weight                                                            | kg           | 3,125           | 3,365           |
| 2.2              | Axle loading, loaded front / rear                                         | kg           | 4,127 / 498     | 4,600 / 565     |
| 2.3              | Axle loading , unloaded front / rear                                      | kg           | 1,661 / 1,464   | 1,710 / 1,655   |
| 1,684 / 1,816    |                                                                           |              |                 |                 |
| Wheels, Chassis  |                                                                           |              |                 |                 |
| 3.1              | Tires : solid rubber(V), superelastic(SE), pneumatic(P), polyurethane(PE) | SE           | SE              | SE              |
| 3.2              | Tires size, front(φ x width)                                              | 18 x 7-8     | 200 / 50-10     | 200 / 50-10     |
| 3.3              | Tires size, rear(φ x width )                                              | 15 x 4.5-8   | 15 x 4.5-8      | 15 x 4.5-8      |
| 3.5              | Wheels, number front rear(x = driven wheels)                              | 2 x /2       | 2 x /2          | 2 x /2          |
| 3.6              | Track width, front                                                        | mm           | 895             | 905             |
| 3.7              | Track width, rear                                                         | mm           | 170             | 170             |
| Basic Dimensions |                                                                           |              |                 |                 |
| 4.1              | Mast / fork carriage tilt forward / backward                              | degrees      | 5 / 7           | 5 / 7           |
| 4.2              | Lowered mast height                                                       | h1 mm        | 1,970           | 1,979           |
| 4.3              | Free lift height                                                          | h2 mm        | 35              | 40              |
| 4.4              | Lift height                                                               | h3 mm        | 3,300           | 3,300           |
| 4.5              | Extended mast height                                                      | h4 mm        | 4,020           | 4,020           |
| 4.7              | Overhead guard (cab) height                                               | h5 mm        | 2,065           | 2,065           |
| 4.8              | Seat height / Standing height                                             | h7 mm        | 927             | 927             |
| 4.12             | Coupling height                                                           | h10 mm       | 410             | 410             |
| 4.19             | Overall length                                                            | l1 mm        | 2,785           | 2,875           |
| 4.20             | Length to face of forks                                                   | l2 mm        | 1,885           | 1,975           |
| 4.21             | Overall width                                                             | b1 mm        | 1,074           | 1,105           |
| 4.22             | Fork dimensions                                                           | l / e / s mm | 900 x 100 x 35  | 900 x 100 x 35  |
| 4.23             | Fork carriage ISO 2328, class / type A, B                                 |              | 2A              | 2A              |
| 4.24             | Fork - carriage width                                                     | b3 mm        | 980             | 980             |
| 4.31             | Ground clearance, loaded, under mast                                      | m1 mm        | 85              | 94              |
| 4.32             | Ground clearance, centre of wheelbase                                     | m2 mm        | 90              | 100             |
| 4.33             | Aisle width for pallets 1,000 x 1,200 crossways                           | Ast mm       | 3,226           | 3,316           |
| 4.34             | Aisle width for pallets 800 x 1,200 lengthways                            | Ast mm       | 3,350           | 3,440           |
| 4.35             | Turning radius                                                            | Wa mm        | 1,540           | 1,630           |
| Performance Data |                                                                           |              |                 |                 |
| 5.1              | Travel speed, loaded/ unloaded                                            | km/h         | 16 / 17         | 16 / 17         |
| 5.2              | Lift speed, loaded/ unloaded                                              | mm/s         | 410 / 600       | 410 / 600       |
| 5.3              | Lowering speed, loaded/unloaded                                           | mm/s         | 500 / 450       | 500 / 450       |
| 5.6              | Max. drawbar pull, loaded/ unloaded S2 5min                               | N            | 15,102 / 14,759 | 15,190 / 14,710 |
| 5.8              | Max. gradient performance, loaded S2 5min                                 | %            | 29.5            | 27.5            |
| 5.10             | Service brake                                                             |              | Hydraulic       | Hydraulic       |
| E - Motor        |                                                                           |              |                 |                 |
| 6.1              | Dirve motor rating S2 60min                                               | kW           | 4.7x2           | 4.7x2           |
| 6.2              | Lift motor rating at S3 20%(S2 10min)                                     | kW           | 14.0            | 14.0            |
| 6.4              | Battery voltage, nominal capacity K5                                      | V/Ah         | 48 / 510        | 48 / 585        |
| 6.5              | Battery weight (Min.)                                                     | kg           | 710             | 835             |
|                  | Battery compartment dimensions l/w/h                                      | mm           | 983 / 553 / 636 | 983 / 638 / 636 |
| Other Details    |                                                                           |              |                 |                 |
| 8.1              | Type of drive control                                                     |              | AC              | AC              |

15/18/20BT-9

Electric Counterbalance Trucks

MOVING YOU FURTHER

HYUNDAI HEAVY INDUSTRIES

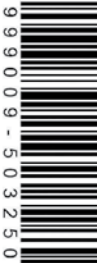


HYUNDAI | FORKLIFT  
HEAVY INDUSTRIES CO.,LTD.

Head Office (Sales Office)  
14th Fl., Hyundai Bldg. 75, Yulgok-ro, Jongno-gu, Seoul 110-796, Korea  
TEL (82) (2) 746-4609, 4753 / FAX (82) (2) 746-7444, 7445

Americas Operation : Hyundai Construction Equipment Americas, Inc.  
6100 ATLANTIC BOULEVARD NORCROSS GA 30071 U.S.A  
TEL (1) 847-678-823-7802 / FAX (1) 847-678-823-7778

Europe Operation : Hyundai Heavy Industries Europe N.V.  
VOSSENDAAL 11, 2440 GEEL, BELGIUM  
TEL (32) 14-56-2200 / FAX (32) 14-59-3405



PLEASE CONTACT

# Your satisfaction is our priority!

Hyundai introduces a new line of **9-series** battery forklift trucks.

The newly designed 3 wheel counterbalance trucks provide every operator comfortable driving, increased productivity and easy maintenance.

## Compact forklift with proven AC technology

- Maximum performance
- Comfortable operating room
- Battery side loading system
- Curve control system
- Fingertip controlled mini levers available (optional)
- Weight indicator (optional)
- Safety system that prevents over loading (optional)



Some of the photos may include optional equipment.



# High Efficiency & Optimal Performance

Efficient, smooth running and compact design provide you with enhanced performance and highest productivity.

15/18/20BT-9



### More efficient operating control levers (Optional)

Electronic directional control and secondary horn are mounted to the hydraulic lift lever for quick and precise maneuvering.



### Finger tip control levers (Optional)

The finger tip control lever allows more precise control and fatigue-free working. The ergonomically designed armrest can be adjusted up, down, forward and backward for various operator's body type.



Some of the photos may include optional equipment.



Some of the photos may include optional equipment.

### Curve control

Curve Control limits travel speed based on turning radius, reducing speed for a smooth, precise turning operation for the driver.



Driving Speed

Limit the speed

### Designed for compact aisle width and turning radius

The combination of 3-wheel design and dual drive motors offer central pivot turning. This allows the driver to work in very confined spaces.



### Advanced drive and lift performance with proven durability and low maintenance

The enclosed drive and pump motor with AC technology combine power, high maintenance intervals and excellent durability. The brushless AC motors offer improved efficiency and reduction maintenance cost.



### Auto fork leveling system (Optional)

In order to improve productivity the auto fork leveling system will automatically stop the tilt movement when the mast is in a straight position.

### Max. Gradeability (loaded)

| Model  | %    |
|--------|------|
| 15BT-9 | 29.5 |
| 18BT-9 | 27.5 |
| 20BT-9 | 24.5 |

### Max. Travel Speed (unloaded)

| Model  | km / h |
|--------|--------|
| 15BT-9 | 17     |
| 18BT-9 | 17     |
| 20BT-9 | 17     |

### Anti roll back system, travel speed and gradeability

Anti Roll-back system offers protection against the machine rolling back on a ramp in combination with exceptional ramp start capabilities.

# Advanced **Safety**

The safely designed driver's space makes your operating more comfortable.

**15/18/20BT-9**



## Excellent visibility for safe operation

Optimized lift cylinder arrangement provides operator with wider visibility. The panoramic mirror expands the driver's view when backing up.

Some of the photos may include optional equipment.

## Fork safety features

When the forks are being lowered, a down-control valve maintains the controlled speed. The down-safety valve prevents forks from dropping down in case of sudden damage of hydraulic line.

## OPSS(Operator Presence Sensing System)

When the operator is not in the seat all mast and drive movements are impossible.

Lift Lock   Tilt Lock   Drive Lock



Some of the photos may include optional equipment.



## Strong overhead guard

Exceeding CEE and ANSI regulations, the overhead guard offers great protection combined with excellent all around visibility.



## Safety lamps & rear reflectors

LED combination lights and halogen headlights offer the driver visibility in all circumstances. Rear reflectors mounted on the counterweight enhance safety for the driver and the application.



# Optimised Ergonomics & Fast and Easy Maintenance



An ideal arrangement of components ensures easy access and convenience for maintenance.

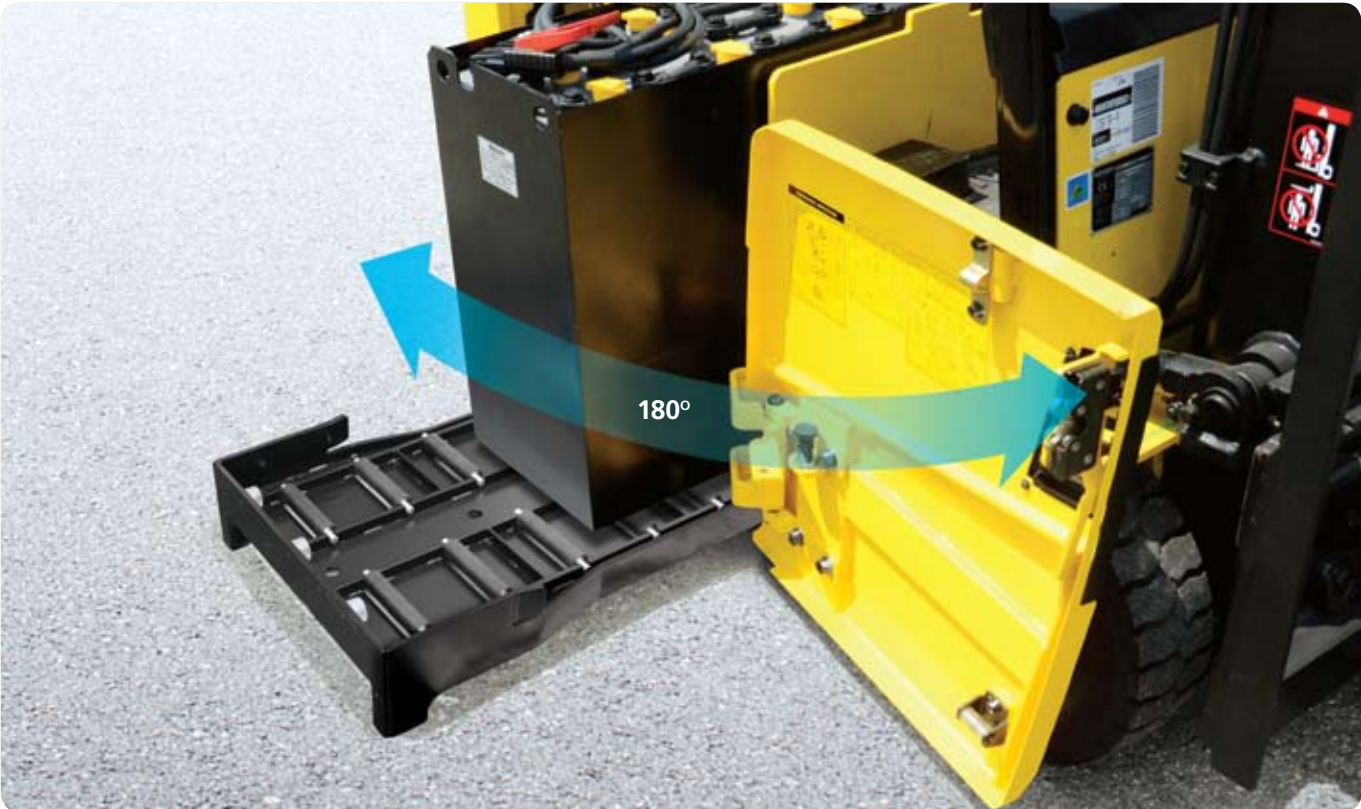
**15/18/20BT-9**



## Spacious operator cabin

The BT is designed as a small, compact design, yet the operator compartment has ample room for virtually any operator.

Some of the photos may include optional equipment.



## Easy battery replacement

The battery compartment is equipped with a side battery removal assembly for easy removal and replacement.

Some of the photos may include optional equipment.



## Optimized pedal position and floor mat

The position of accelerator and throttle have been optimized through human engineering.



## Low entrance height

In order to get in and out of the cabin in an easy and safe way the height of the entrance step is only 400mm high.



## Adjustable steering wheel

To achieve a comfortable drive position, the angle of the steering column can easily be adjusted through a lever on the right-hand side of the steering column.



## Grammer seat (Optional)

An easily adjustable suspension seat, based on a human engineering design, provides greater comfort reducing operator fatigue.



## Advanced LCD Monitor

The LCD color monitor with 3.5 inch graphic smart display allows the operator to easily and efficiently control the machine. The monitor provides information about speed & accelerator lever, steer angle & travel direction, battery discharge indicator, hour meter & working mode. The optional load indicator displays the load weight in the monitor. The operator can select various performance modes to meet all working conditions. It is available multi-languages (maximum 11) for operator.



**H (High) mode N (Normal) mode E (Economic) mode Turtle mode** (maintain 7 km/h travel speed when lifting)

## Brake oil reservoir with level sensor

The enhanced brake oil reservoir, located in the upper left dash is equipped with an electronic level sensor and easily visible through the monitor.





New 9 Series

15/18/20BT-9

Mast Specification (15/18BT-9)

| Mast Type                  |          | Maximum Fork Height (mm) | Overall Height (Lowered) (mm) | Free Lift Height (mm) |                       | Tilt Angle (deg) Fwd / Bwd | Load Capacity without side shift at (500mm LC)(kg) |        | Load Capacity with side shift at (500mm LC)(kg) |        | Truck Weight (Unloaded) (kg) |        |
|----------------------------|----------|--------------------------|-------------------------------|-----------------------|-----------------------|----------------------------|----------------------------------------------------|--------|-------------------------------------------------|--------|------------------------------|--------|
|                            |          |                          |                               | With Load Backrest    | Without Load Backrest |                            |                                                    |        |                                                 |        |                              |        |
|                            |          | 15/18BT-9                | 15/18BT-9                     | 15/18BT-9             | 15/18BT-9             | 15/18BT-9                  | 15BT-9                                             | 18BT-9 | 15BT-9                                          | 18BT-9 | 15BT-9                       | 18BT-9 |
| 2- Stage Limited free lift | V250     | 2,525                    | 1,720                         | 35                    | 35                    | 5 / 7                      | 1,500                                              | 1,800  | 1,440                                           | 1,730  | 2,953                        | 3,239  |
|                            | V270     | 2,725                    | 1,820                         | 35                    | 35                    | 5 / 7                      | 1,500                                              | 1,800  | 1,440                                           | 1,730  | 2,966                        | 3,252  |
|                            | V300     | 3,025                    | 1,970                         | 35                    | 35                    | 5 / 7                      | 1,500                                              | 1,800  | 1,440                                           | 1,730  | 2,985                        | 3,271  |
|                            | * V330   | 3,325                    | 2,120                         | 35                    | 35                    | 5 / 7                      | 1,500                                              | 1,800  | 1,440                                           | 1,730  | 3,006                        | 3,292  |
|                            | V350     | 3,525                    | 2,220                         | 35                    | 35                    | 5 / 7                      | 1,500                                              | 1,800  | 1,440                                           | 1,730  | 3,019                        | 3,305  |
|                            | V370     | 3,725                    | 2,320                         | 35                    | 35                    | 5 / 7                      | 1,500                                              | 1,800  | 1,440                                           | 1,730  | 3,031                        | 3,317  |
|                            | V400     | 4,025                    | 2,470                         | 35                    | 35                    | 5 / 7                      | 1,450                                              | 1,750  | 1,400                                           | 1,680  | 3,056                        | 3,342  |
|                            | V450     | 4,525                    | 2,820                         | 35                    | 35                    | 5 / 5                      | 1,400                                              | 1,700  | 1,400                                           | 1,640  | 3,123                        | 3,409  |
|                            | V500     | 5,025                    | 3,070                         | 35                    | 35                    | 5 / 5                      | 1,350                                              | 1,600  | 1,340                                           | 1,540  | 3,157                        | 3,443  |
|                            | V550     | 5,525                    | 3,320                         | 35                    | 35                    | 5 / 5                      | 1,300                                              | 1,550  | 1,250                                           | 1,500  | 3,177                        | 3,463  |
| 2- Stage full free lift    | VF300    | 3,025                    | 1,970                         | 972                   | 1,460                 | 5 / 5                      | 1,500                                              | 1,800  | 1,440                                           | 1,730  | 3,024                        | 3,310  |
|                            | VF330    | 3,325                    | 2,120                         | 1,122                 | 1,610                 | 5 / 5                      | 1,500                                              | 1,800  | 1,440                                           | 1,730  | 3,045                        | 3,331  |
|                            | VF350    | 3,525                    | 2,220                         | 1,222                 | 1,710                 | 5 / 5                      | 1,500                                              | 1,800  | 1,440                                           | 1,730  | 3,061                        | 3,347  |
| 3 - Stage full free lift   | TF/TS370 | 3,735                    | 1,770                         | 772                   | 1,260                 | 5 / 5                      | 1,475                                              | 1,750  | 1,420                                           | 1,680  | 3,101                        | 3,387  |
|                            | TF/TS400 | 4,035                    | 1,870                         | 872                   | 1,360                 | 5 / 5                      | 1,450                                              | 1,700  | 1,390                                           | 1,630  | 3,121                        | 3,407  |
|                            | TF/TS430 | 4,335                    | 1,970                         | 972                   | 1,460                 | 5 / 5                      | 1,400                                              | 1,650  | 1,340                                           | 1,590  | 3,141                        | 3,427  |
|                            | TF/TS450 | 4,535                    | 2,070                         | 1,072                 | 1,560                 | 5 / 5                      | 1,375                                              | 1,625  | 1,320                                           | 1,560  | 3,160                        | 3,446  |
|                            | TF/TS470 | 4,735                    | 2,120                         | 1,122                 | 1,610                 | 5 / 5                      | 1,350                                              | 1,600  | 1,300                                           | 1,530  | 3,171                        | 3,457  |
|                            | TF/TS500 | 5,035                    | 2,220                         | 1,222                 | 1,710                 | 5 / 5                      | 1,300                                              | 1,550  | 1,250                                           | 1,490  | 3,191                        | 3,477  |
|                            | TF/TS550 | 5,535                    | 2,420                         | 1,422                 | 1,910                 | 5 / 5                      | 1,250                                              | 1,450  | 1,200                                           | 1,390  | 3,230                        | 3,516  |
|                            | TF/TS600 | 6,035                    | 2,620                         | 1,622                 | 2,110                 | 5 / 5                      | 1,175                                              | 1,175  | 1,130                                           | 1,130  | 3,294                        | 3,580  |
|                            | TF/TS650 | 6,535                    | 2,820                         | 1,822                 | 2,310                 | 5 / 5                      | 900                                                | 1,050  | 850                                             | 1,010  | 3,338                        | 3,624  |
|                            | TF/TS700 | 7,035                    | 3,020                         | 2,022                 | 2,510                 | 5 / 5                      | 650                                                | 800    | 610                                             | 760    | 3,377                        | 3,663  |

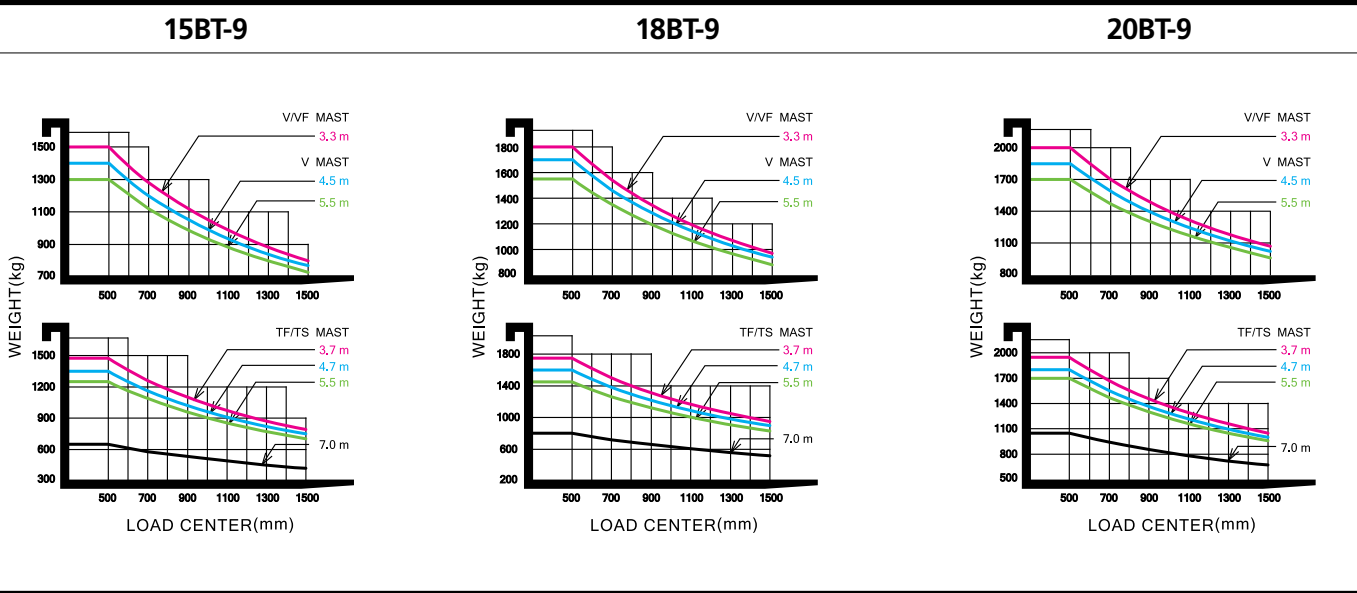
Mast Specification (20BT-9)

| Mast Type                  |          | Maximum Fork Height (mm) | Overall Height (Lowered) (mm) | Free Lift Height (mm) |                       | Tilt Angle (deg) Fwd / Bwd | Load Capacity without side shift at (500mm LC)(kg) |        | Load Capacity with side shift at (500mm LC)(kg) |        | Truck Weight (Unloaded) (kg) |        |
|----------------------------|----------|--------------------------|-------------------------------|-----------------------|-----------------------|----------------------------|----------------------------------------------------|--------|-------------------------------------------------|--------|------------------------------|--------|
|                            |          |                          |                               | With Load Backrest    | Without Load Backrest |                            |                                                    |        |                                                 |        |                              |        |
|                            |          | 20BT-9                   | 20BT-9                        | 20BT-9                | 20BT-9                | 20BT-9                     | 20BT-9                                             | 20BT-9 | 20BT-9                                          | 20BT-9 | 20BT-9                       | 20BT-9 |
| 2- Stage Limited free lift | V250     | 2,530                    | 1,729                         | 40                    | 40                    | 5 / 7                      | 2,000                                              |        | 1,920                                           |        | 3,418                        |        |
|                            | V270     | 2,730                    | 1,829                         | 40                    | 40                    | 5 / 7                      | 2,000                                              |        | 1,920                                           |        | 3,431                        |        |
|                            | V300     | 3,030                    | 1,979                         | 40                    | 40                    | 5 / 7                      | 2,000                                              |        | 1,920                                           |        | 3,450                        |        |
|                            | * V330   | 3,330                    | 2,129                         | 40                    | 40                    | 5 / 7                      | 2,000                                              |        | 1,920                                           |        | 3,471                        |        |
|                            | V350     | 3,530                    | 2,229                         | 40                    | 40                    | 5 / 7                      | 2,000                                              |        | 1,920                                           |        | 3,484                        |        |
|                            | V370     | 3,730                    | 2,329                         | 40                    | 40                    | 5 / 7                      | 2,000                                              |        | 1,920                                           |        | 3,496                        |        |
|                            | V400     | 4,030                    | 2,479                         | 40                    | 40                    | 5 / 7                      | 1,950                                              |        | 1,880                                           |        | 3,521                        |        |
|                            | V450     | 4,530                    | 2,829                         | 40                    | 40                    | 5 / 5                      | 1,850                                              |        | 1,780                                           |        | 3,588                        |        |
|                            | V500     | 5,030                    | 3,079                         | 40                    | 40                    | 5 / 5                      | 1,800                                              |        | 1,730                                           |        | 3,622                        |        |
|                            | V550     | 5,530                    | 3,329                         | 40                    | 40                    | 5 / 5                      | 1,700                                              |        | 1,640                                           |        | 3,642                        |        |
| 2- Stage full free lift    | VF300    | 3,030                    | 1,979                         | 986                   | 1,474                 | 5 / 5                      | 2,000                                              |        | 1,920                                           |        | 3,489                        |        |
|                            | VF330    | 3,330                    | 2,129                         | 1,136                 | 1,624                 | 5 / 5                      | 2,000                                              |        | 1,920                                           |        | 3,510                        |        |
|                            | VF350    | 3,530                    | 2,229                         | 1,236                 | 1,725                 | 5 / 5                      | 2,000                                              |        | 1,920                                           |        | 3,526                        |        |
| 3 - Stage full free lift   | TF/TS370 | 3,740                    | 1,779                         | 786                   | 1,274                 | 5 / 5                      | 1,950                                              |        | 1,880                                           |        | 3,566                        |        |
|                            | TF/TS400 | 4,040                    | 1,879                         | 886                   | 1,374                 | 5 / 5                      | 1,900                                              |        | 1,830                                           |        | 3,586                        |        |
|                            | TF/TS430 | 4,340                    | 1,979                         | 986                   | 1,474                 | 5 / 5                      | 1,850                                              |        | 1,790                                           |        | 3,606                        |        |
|                            | TF/TS450 | 4,540                    | 2,079                         | 1,086                 | 1,574                 | 5 / 5                      | 1,825                                              |        | 1,770                                           |        | 3,625                        |        |
|                            | TF/TS470 | 4,740                    | 2,129                         | 1,136                 | 1,624                 | 5 / 5                      | 1,800                                              |        | 1,740                                           |        | 3,636                        |        |
|                            | TF/TS500 | 5,040                    | 2,229                         | 1,236                 | 1,724                 | 5 / 5                      | 1,750                                              |        | 1,690                                           |        | 3,656                        |        |
|                            | TF/TS550 | 5,540                    | 2,429                         | 1,436                 | 1,924                 | 5 / 5                      | 1,700                                              |        | 1,640                                           |        | 3,695                        |        |
|                            | TF/TS600 | 6,040                    | 2,629                         | 1,636                 | 2,124                 | 5 / 5                      | 1,500                                              |        | 1,500                                           |        | 3,759                        |        |
|                            | TF/TS650 | 6,540                    | 2,829                         | 1,836                 | 2,324                 | 5 / 5                      | 1,300                                              |        | 1,250                                           |        | 3,803                        |        |
|                            | TF/TS700 | 7,040                    | 3,029                         | 2,036                 | 2,524                 | 5 / 5                      | 1,050                                              |        | 1,010                                           |        | 3,842                        |        |

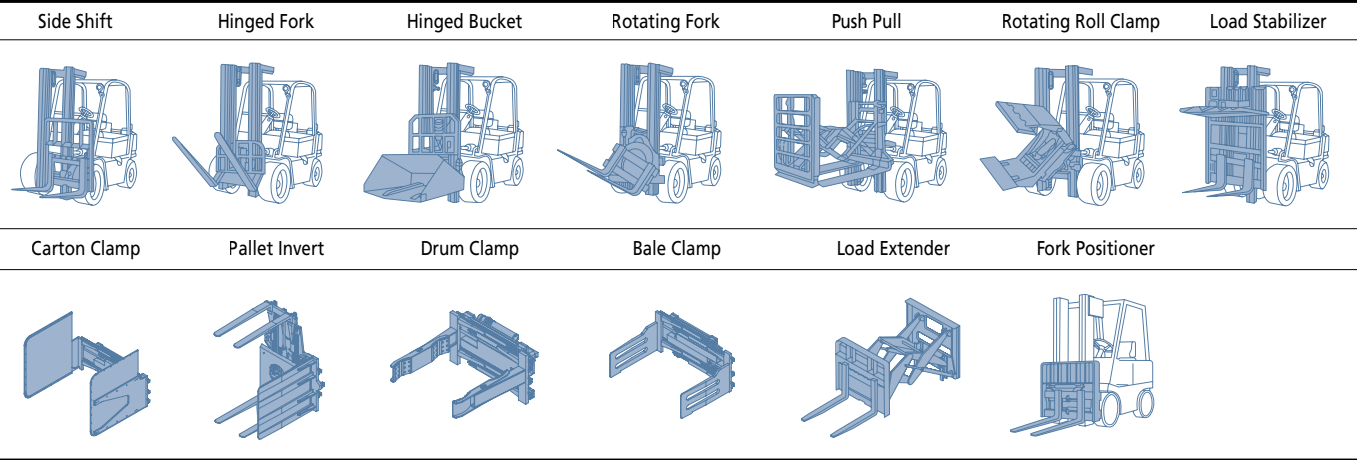
※ TS-Mast : Wide Visible 3-Stage Full Free Lift Mast with 2 Free Lift Cylinders.

\* Standard

Load Capacity



Various Attachments



Optional Items

- |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• <b>Fork (mm)</b> 15 / 18BT-9 : 35X100X750, 850, 900(STD), 1050, 1200, 1350, 1500<br/>20BT-9 : 40X100X900(STD), 950, 1000, 1050, 1150, 1200, 1350, 1500, 1600</li><li>• <b>Overshoe (mm)</b> : 1300 / 1500 / 1700</li><li>• <b>Integral Sideshift</b></li><li>• <b>Tire</b> : SOLID(STD) / Non-marking / Cushion tire /<br/>Wide tire [15BT-9 : Front tire (200 / 50-10), 18/20BT-9 : Rear tire (15X5.5-9)]</li><li>• <b>Seat</b> : Grammer</li><li>• <b>Finger Tip Control</b></li><li>• <b>Cold Storage</b></li></ul> | <ul style="list-style-type: none"><li>• <b>M.C.V</b> : 2-Spool (STD), 3-Spool, 4-Spool</li><li>• <b>Auto Fork Leveling</b></li><li>• <b>Beacon Lamp</b></li><li>• <b>Load Indicator</b></li><li>• <b>Work Lamp</b></li><li>• <b>OPSS</b> : Mast</li><li>• <b>UL</b> : ES, EE</li><li>• <b>Cabin</b></li></ul> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|