



# Your satisfaction is our priority!

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

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

## Compact forklift with proven AC technology

- Maximum performance
- Comfortable operating room
- Curve control system
- Load indicator (optional)
- Camera(optional)
- Height indicator (optional)



■ Some of the photos may include optional equipment.

# Superior Power & Optimal Performance

Smooth running, efficient and ergonomically designed, 15/18/20/23BRP-9 series are built to meet your needs.

**15/18/20/23BRP-9**

■ Some of the photos may include optional equipment.



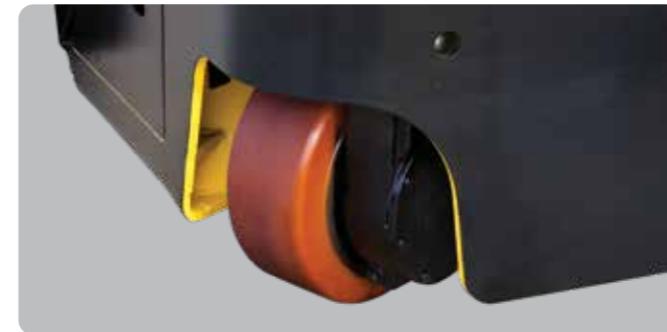
## Minimum Turning Radius

Compact design suitable for narrow aisle operation guarantees work efficiency and maximum space utilization.



## Versatile Reach Stroke

Multi-roller reach assembly provides a smooth, controlled and safe load handling system, and shows unsurpassed versatility during extended reach.



## Automatic Center Position at Starting

When the key is turned to the on position, the steering sensor detects the position of the drive wheel and automatically returns the wheel to the center position.

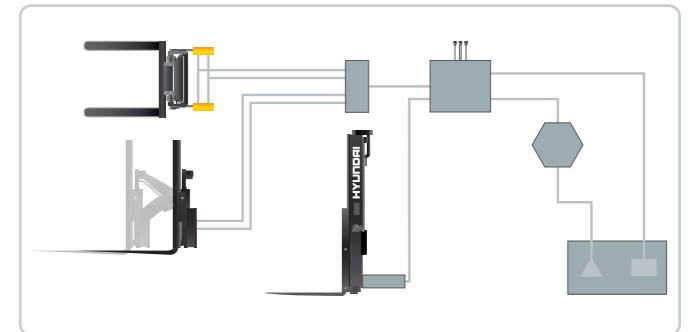


## Energy Efficiency

H(High) mode : 100%  
N(Normal) mode : 110%  
E(Economic) mode : 120%

## High Technology ZAPI Controller

The efficient, almost noiseless, 8kHz(high frequency) controller provides smooth quite operation and protection for low & high voltage, overheating and fault recording.



## State-of-the-art Hydraulic System

The latest large-capacity hydraulic system reacts quickly during operation and the low noise control valve increases both efficiency and durability.



## Drive Motor & Pump Motor

AC motors are designed for optimum reliability and efficiency while providing low noise levels. The AC motors are equipped with temperature sensors to ensure long motor life.

## Excellent Gradeability Operation & Anti Roll Back

A powerful drive motor and four wheel configuration provide for exceptional stability and excellent gradeability. When restarting after stop on a slope, an anti-roll back function ensure operational safety.

	Travel Speed (MAX)	Gradeability (MAX)	
		unloaded	loaded
15BRP-9	11.8 Km/h	22%	13%
18BRP-9	11.8 Km/h	15%	13%
20BRP-9	11.8 Km/h	15%	12%
23BRP-9	11.8 Km/h	20%	11%

# Optimised Ergonomics & Advanced Safety

A design based on human engineering relieves fatigue and increases operator's efficiency.

**15/18/20/23BRP-9**



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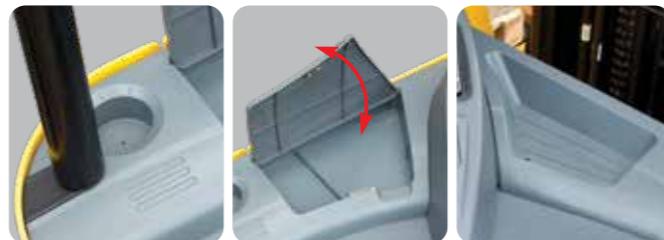
## Steering Control

A steering control coupled with our Electric Power Steering system gives the operator exceptionally smooth and controlled steering for tight spaces.



## Joystick Lever

Minimal operator effort is required for precise, safe and productive control. The lever's contoured design and cushion armrest provide added comfort during operation.



## Cup Holder, Console Box & Storage Space

Additional storage compartments are located inside the operating space for operator's convenience.



## New High Visibility for Safe Operation

The operator is able to work with increased safety and accuracy due to a wider mast view.



## Strong Overhead Guard

The safety overhead guard meets ISO 6055 and ANSI regulations and protects the operator during hazardous work.



## Ergonomic Backrest

A large and soft cushion pad is applied for operator's safety and comfort.



## Non Slip Floor Mat

A heavy, vibration dampening, floor mat reduces operator fatigue and provides increased productivity.



## Protection Fence

Protection fence installed between mast and operator room for safety.



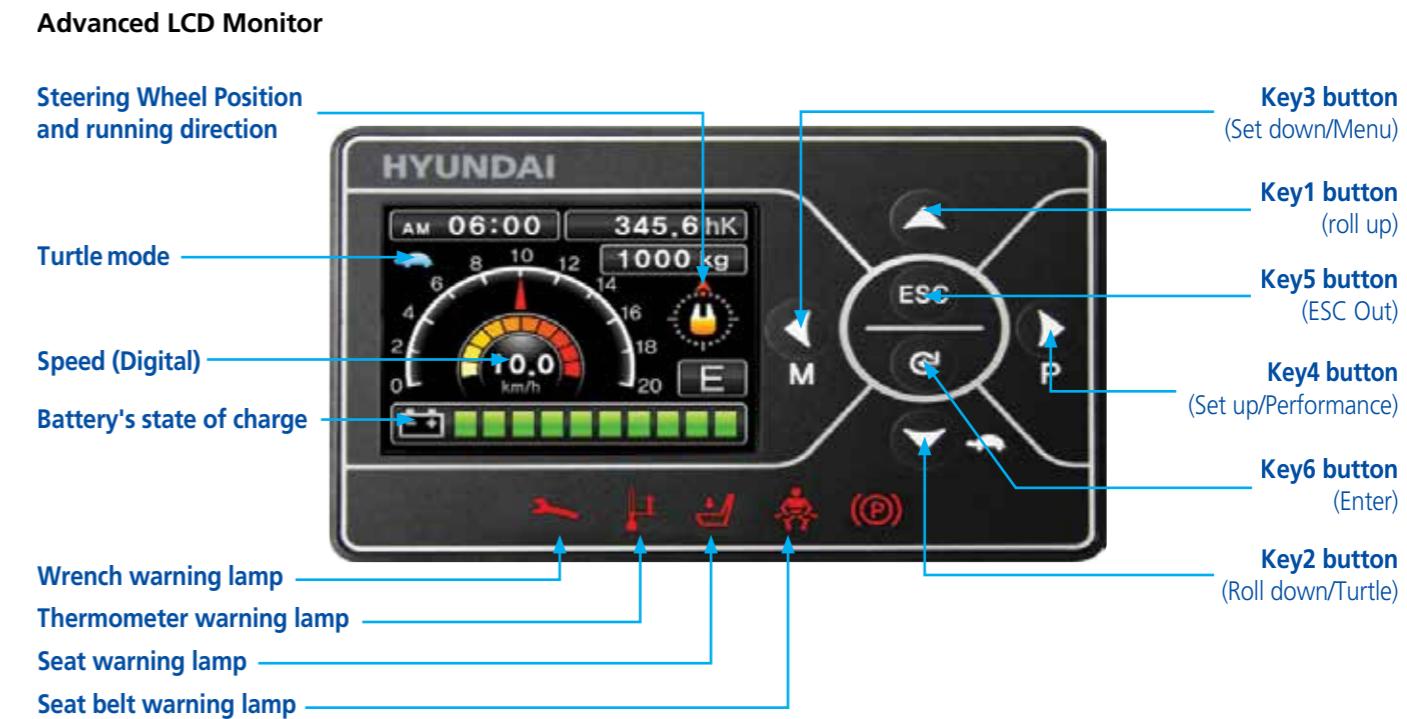
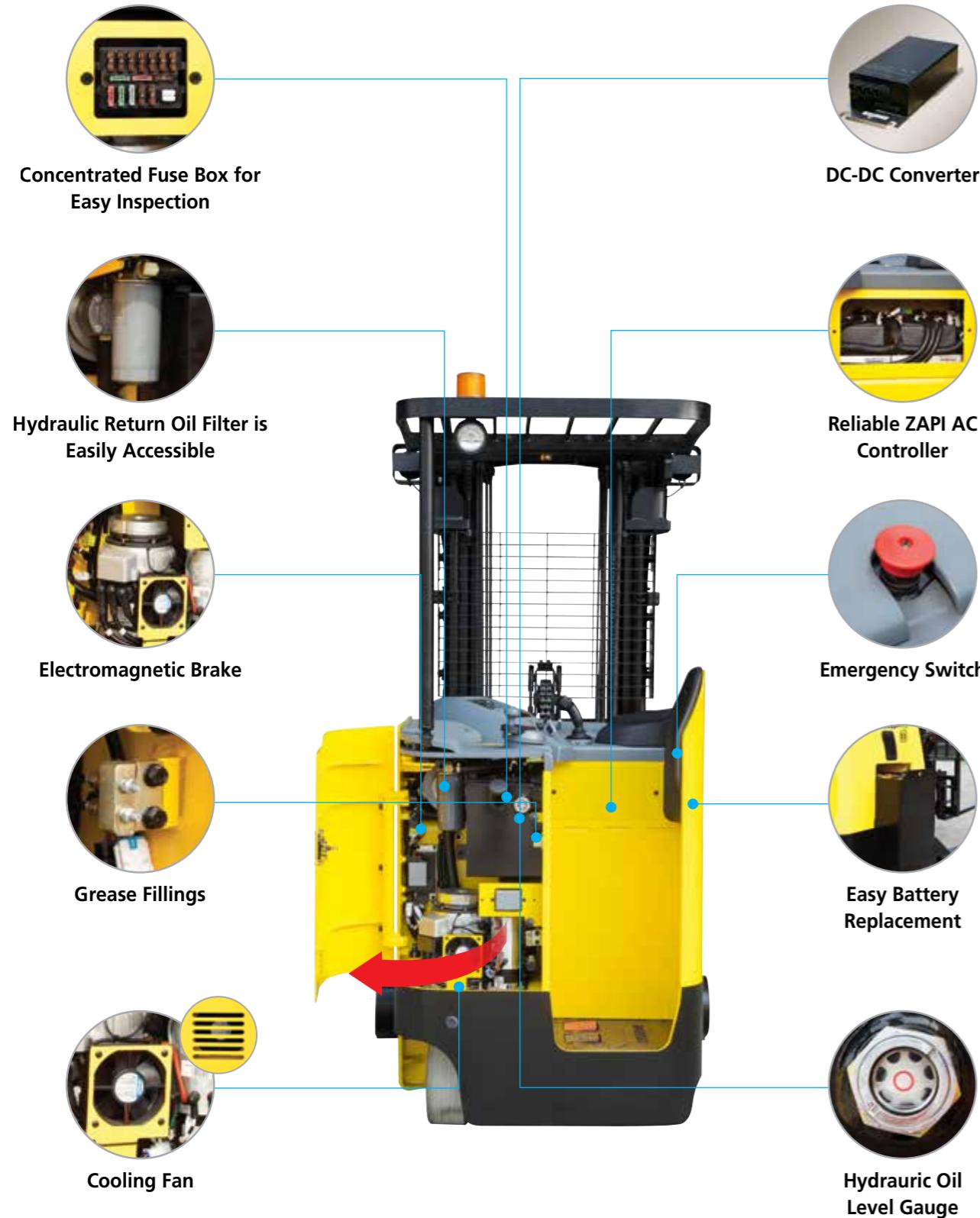
## Camera & LCD monitor (optional)

A camera installed on fork side provides the operator with another excellent visibility. (apply to mast over TF700)

# Durability, **Easy Maintenance**

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

**15/18/20/23BRP-9**



**H** (High) mode **N** (Normal) mode **E** (Economic) mode  
**Turtle mode**

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 level, steer angle & travel direction, battery discharge indicator, hour meter & working mode. The optional load indicator displays the load weight and the height of fork in the monitor. The operator can select various performance modes to meet all working conditions. It is available multi-languages (maximum 11) for operator. The monitor also displays information about operation error, system fault, battery level, hour meter plus other various functions. It enables the operator to maintain the forklift in optimum operating condition.



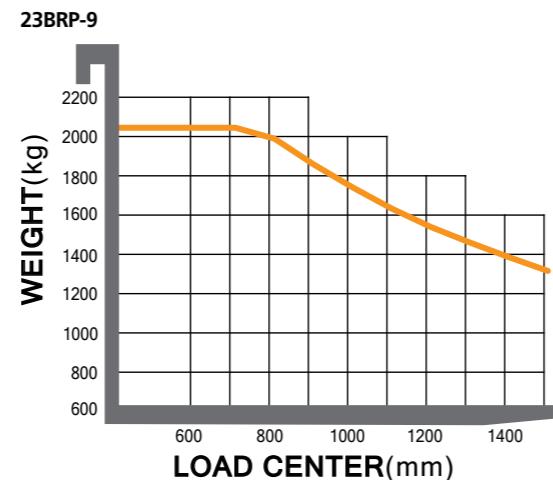
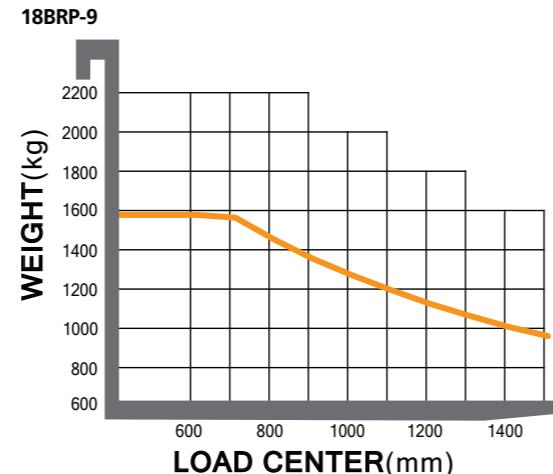
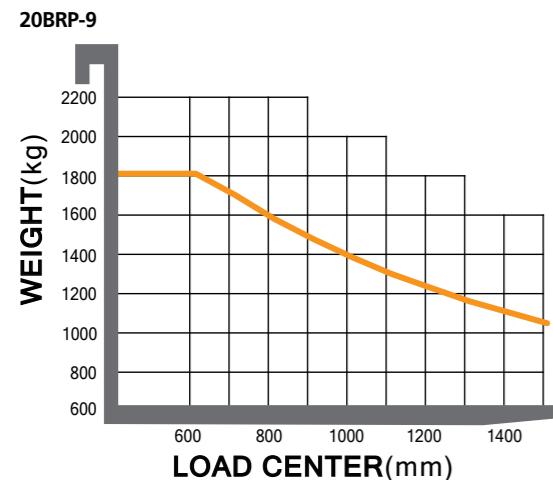
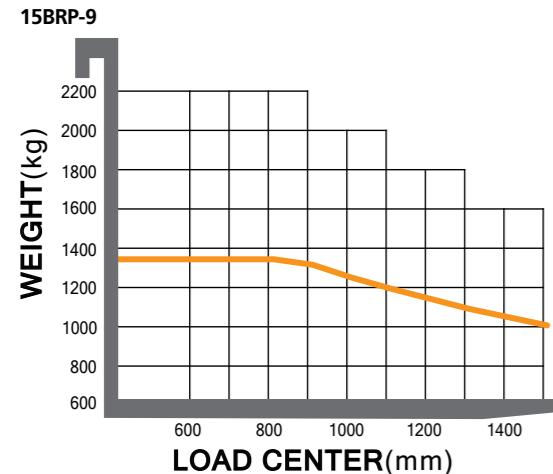
#### Monitor for load& height indicator (optional)

The optional load indicator displays the load weight in the monitor. The load sensor reduces the time to check loaded weight and the alarm alerts the driver when overloaded. The optional indicator displays the height of fork in the monitor.

# New 9 Series

15/18/20/23BRP-9

## Load Capacity



## Optional Items

**Outrigger I.D (mm)**  
- 864, 914, 965, 1016, 1118, 1168, 1219, 1270

### Integral Sideshift

- Max. 120mm

### UL

- UL" EE"

### Beacon Lamp

- Amber, Blue, Red

### Rear Work Lamp

Fork Length (mm)

- 15/18BRP: 900, 950, 1000, 1150, 1200, 1350, 1500, 1600

- 20/23BRP: 900, 1000, 1200, 1350, 1500, 1650, 1800

### Fence

- Wire net type (STD)

### Tire

- Vulkollan

### Height Indicator

### Cold Storage

### Battery

- 600AH, 700AH, 800AH

### Charger 3P

- 220/380V, 410V, 440V

## Mast Specification (15/23BRP-9)

Mast Type	Maximum Fork Height	Overall Height (Lowered)	Overall Height (Lifted) (With Backrest)	Free Lift Height (With Backrest)	Over Headguard Height	Min. Outrigger -I.D	Truck Weight - w/o Battery								
							"A" Type B.C 14.5" (362mm)	"B" Type B.C 16.5" (413mm)	"C" Type B.C 18.3" (457mm)	"D" Type B.C 21.1" (527mm)					
	15/23BRP-9	15/23BRP-9	15/23BRP-9	15/23BRP-9	15/23BRP-9	15/23BRP-9	15/23BRP-9	15/23BRP-9	15/23BRP-9	15/23BRP-9	15/23BRP-9	15/23BRP-9			
3-Stage Full Free Lift	TF500	5,011	2,260	6,230	1,041	2,240	864	2,870	-	2,888	2,805	2,902	2,820	2,925	2,843
	*TF530	5,335	2,415	6,554	1,196	2,395	864	2,918	-	2,935	2,853	2,949	2,867	2,972	2,890
	TF610	6,095	2,720	7,314	1,501	2,395	864	3,077	-	3,095	3,012	3,109	3,027	3,132	3,050
	TF685	6,859	3,025	8,078	1,806	2,395	864	-	-	3,186	3,104	3,201	3,119	3,224	3,142
	TF760	7,621	3,325	8,840	2,106	2,395	864	-	-	3,278	3,196	3,293	3,210	3,316	3,233
	TF815	8,155	3,555	9,374	2,336	2,395	864	-	-	3,350	3,267	3,364	3,282	3,387	3,305
	TF865	8,661	3,785	9,880	2,566	2,395	1,016	-	-	-	-	3,443	3,360	3,466	3,383
	TF930	9,301	4,065	10,520	2,846	2,395	1,067	-	-	-	-	-	-	3,551	3,469
	TF1010	10,161	4,370	11,380	3,151	2,395	1,118	-	-	-	-	-	-	3,662	3,580

\* STANDARD

## Mast Specification (18/20BRP-9)

Mast Type	Maximum Fork Height	Overall Height (Lowered)	Overall Height (Lifted) (With Backrest)	Free Lift Height (With Backrest)	Over Headguard Height	Min. Outrigger -I.D	Truck Weight - w/o Battery											
							"A" Type B.C 14.5" (362mm)	"B" Type B.C 16.5" (413mm)	"C" Type B.C 18.3" (457mm)									
	18BRP-9	20BRP-9	18BRP-9	20BRP-9	18BRP-9	20BRP-9	18BRP-9	20BRP-9	18BRP-9	20BRP-9	18BRP-9	20BRP-9						
3-Stage Full Free Lift	*TF500	5,011	5,011	2,260	2,260	6,230	1,041	1,041	2,240	2,240	864	864	2,597	-	2,615	2,615	-	2,629
	TF530	5,335	5,335	2,415	2,415	6,554	1,196	1,196	2,395	2,395	864	864	2,635	-	2,653	2,653	-	2,667
	TF610	6,095	6,095	2,720	2,720	7,314	1,501	1,501	2,395	2,395	864	864	2,776	-	2,793	2,793	-	2,807
	TF685	6,859	6,859	3,025	3,025	8,078	1,806	1,806	2,395	2,395	864	864	-	-	2,882	2,882	-	2,896
	TF760	-	7,621	-	3,325	-	8,840	-	2,106	-	2,395	-	864	-	-	-	-	2,970
	TF815	-	8,155	-	3,555	-	9,374	-	2,336	-	2,395	-	864	-	-	-	-	3,027
	TF865	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TF930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	TF1010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* STANDARD

## Battery Table

Battery Type	Battery Compartment		Max. Capacity (6 Hour Rate)	Battery Dimensions			Battery Weight					
	Size (Length)	Battery Voltage		Width (W)	Length (L)	Height (H)						
				in	mm	in						
Type A	14.3	362	36	775	38.4	975	14.0	355	31.0	787	1598	725
Type B	16.3	413	36	930	38.4	975	16.0	406	31.0	787	1878	852
Type C	18.0	457	36	1085	38.4	975	17.7	450	31.0	787	2280	1034
Type D	20.7	527	36	1240	38.4	975	20.5	520	31.0	787	2601	1180

## Right Angle Aisle Stacking - Zero Clearance