25/30/32BC-9

Electric Counterbalance Trucks

MOVING YOU FURTHER

HYUNDAI MATERIAL HANDLING



HYUNDAI
MATERIAL HANDLING

Head Office (Sales office)
First tower, 55, Bundang-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea

You can visit the website
by scanning the QR code.

PLEASE CONTACT

www.hyundai-mh.com 2020. 09 Rev. 10

Your satisfaction is **our priority!**

Hyundai introduces a new line of **9-series** battery forklift trucks.
The newly designed 4 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 (OPT)**
- **Weight indicator (OPT)**
- **Safety system that prevents over loading (OPT)**





■ Some of the photos may include optional equipment.

High Efficiency &
Optimal Performance



Efficient, smooth running and powerful performance make your work more productive.

25/30/32BC-9



More efficient operating control levers (OPT)

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



Finger tip control levers (OPT)

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.



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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**



Max.Gradeability (loaded)

Model	%
25BC-9	20
30BC-9	18
32BC-9	17

Max.Travel Speed (Unloaded)

Model	Km / h
25BC-9	18
30BC-9	18
32BC-9	18

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 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.

Advanced **Safety**



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

25/30/32BC-9



■ Some of the photos may include optional equipment.

Excellent visibility for safe operation

Optimized lift cylinder arrangement provides operator with wider visibility.





Panoramic mirror

The panoramic mirror expands the driver's view when backing up.

Strong overhead guard

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

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.









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.



■ Some of the photos may include optional equipment.

Spacious operator cabin

The newly designed cabin was conceived for more space, a wider field of view and operator comfort.



■ 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.



Optimized pedal position and floor mat

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



Large entrance step

Wide and non-slip step offers convenience and safety when entering and exiting truck.



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 (OPT)

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 Electrical Forklift display allows the operator to easily and efficiently control the machine.
The monitor provides information about speed level, 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 12) for operator.

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

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.

Mast Specification (25BC-9)

Mast Type		Maximum Fork Height		Overall Height (Lowered)		Free Lift Height						Tilt Angle		Load capacity w/o side shift		Load capacity w/side shift		Truck Weight (Unloaded)	
						With Load Backrest		Without Load Backrest		Without Load Backrest (3/4-SPOOL)		Fwd	Bwd	24 in LC	500mm LC	24 in LC	500mm LC		
		in	mm	in	mm	in	mm	in	mm	in	mm	deg	deg	lb	kg	lb	kg	lb	kg
2-Stage Limited free lift	※V330	130.1	3,305	84.1	2,135	4.5	115	4.5	115	4.5	115	6	8	5,000	2,500	5,000	2,500	9,733	4,415
	V350	138.0	3,505	88.0	2,235							6	8	5,000	2,500	5,000	2,500	9,771	4,432
	V370	145.9	3,705	93.9	2,385							6	8	5,000	2,500	5,000	2,500	9,819	4,454
	V400	157.7	4,005	99.8	2,535							6	8	5,000	2,500	5,000	2,500	9,868	4,476
	V430	169.5	4,305	105.7	2,685							6	8	5,000	2,500	5,000	2,420	9,969	4,522
	V450	177.4	4,505	111.6	2,835							6	5	5,000	2,450	5,000	2,370	10,029	4,549
	V470	185.2	4,705	115.6	2,935							6	5	5,000	2,425	5,000	2,345	10,062	4,564
	V500	197.0	5,005	121.5	3,085							6	5	5,000	2,375	5,000	2,295	10,110	4,586
3-Stage full free lift	TF370	145.9	3,705	70.3	1,785	23.8	605	46.3	1,177	45.0	1,144	6	5	5,000	2,500	5,000	2,420	10,020	4,545
	TF400	157.7	4,005	74.2	1,885	27.8	705	50.3	1,277	49.0	1,244	6	5	5,000	2,450	5,000	2,370	10,066	4,566
	TF430	169.5	4,305	78.1	1,985	31.7	805	54.2	1,377	52.9	1,344	6	5	5,000	2,400	5,000	2,320	10,113	4,587
	TF450	177.4	4,505	82.1	2,085	35.6	905	58.1	1,477	58.1	1,477	6	5	5,000	2,350	5,000	2,270	10,161	4,609
	TF470	185.2	4,705	84.1	2,135	37.6	955	60.1	1,527	58.8	1,494	6	5	5,000	2,325	4,950	2,245	10,190	4,622
	TF500	197.0	5,005	88.0	2,235	41.5	1,055	64.1	1,627	62.8	1,594	6	5	5,000	2,275	4,840	2,195	10,243	4,646
	TF550	216.7	5,505	95.9	2,435	49.4	1,255	71.9	1,827	71.9	1,827	6	5	4,850	2,200	4,670	2,120	10,331	4,686
	TF600	236.4	6,005	103.7	2,635	57.3	1,455	79.8	2,027	79.8	2,027	6	5	3,470	1,575	3,300	1,495	10,498	4,762
	TF650	256.1	6,505	111.6	2,835	65.2	1,655	83.6	2,124	78.1	1,984	3	3	2,870	1,300	2,690	1,220	10,587	4,802
	TF700	275.8	7,005	119.5	3,035	73.0	1,855	91.5	2,324	86.0	2,184	3	3	2,540	1,150	2,360	1,070	10,587	4,802
	TS430	169.5	4,305	78.1	1,985	31.7	805	54.2	1,377	49.5	1,258	6	5	5,000	2,400	5,000	2,320	10,113	4,587
	TS450	177.4	4,505	82.1	2,085	35.6	905	58.1	1,477	55.4	1,408	6	5	5,000	2,350	5,000	2,270	10,161	4,609
	TS470	185.2	4,705	84.1	2,135	37.6	955	60.1	1,527	55.4	1,408	6	5	5,000	2,325	4,950	2,245	10,190	4,622
	TS500	197.0	5,005	88.0	2,235	41.5	1,055	64.1	1,627	59.4	1,508	6	5	5,000	2,275	4,840	2,195	10,243	4,646
	TS550	216.7	5,505	95.9	2,435	49.4	1,255	71.9	1,827	69.2	1,758	6	5	4,850	2,200	4,670	2,120	10,331	4,686
	TS600	236.4	6,005	103.7	2,635	57.3	1,455	79.8	2,027	77.1	1,958	6	5	3,470	1,575	3,300	1,495	10,498	4,762
	TS650	256.1	6,505	111.6	2,835	65.2	1,655	80.2	2,038	74.7	1,898	3	3	2,870	1,300	2,690	1,220	10,587	4,802
	TS700	275.8	7,005	119.5	3,035	73.0	1,855	88.1	2,238	82.6	2,098	3	3	2,540	1,150	2,360	1,070	10,675	4,842
4-Stage full free lift	QF610	240.7	6,115	83.5	2,120	37.0	940	59.5	1,512	57.6	1,462	3	3	3,530	1,600	3,350	1,520	10,957	4,970
	QF660	260.4	6,615	91.3	2,320	44.9	1,140	67.4	1,712	65.4	1,662	3	3	3,310	1,500	3,130	1,420	11,087	5,029
	QF700	276.2	7,015	95.3	2,420	48.8	1,240	71.3	1,812	69.4	1,762	3	3	3,090	1,400	2,910	1,320	11,155	5,060
	QF745	293.9	7,465	101.2	2,570	54.7	1,390	75.4	1,915	69.4	1,762	3	3	2,430	1,100	2,250	1,020	11,257	5,106
	QF790	311.6	7,915	107.1	2,720	60.6	1,540	75.4	1,915	69.4	1,762	3	3	1,540	700	1,370	620	11,477	5,206

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

* Standard

Mast Specification (30BC-9)

Mast Type		Maximum Fork Height		Overall Height (Lowered)		Free Lift Height						Tilt Angle		Load capacity w/o side shift		Load capacity w/side shift		Truck Weight (Unloaded)	
						With Load Backrest		Without Load Backrest		Without Load Backrest (3/4-SPOOL)		Fwd	Bwd	24 in LC	500mm LC	24 in LC	500mm LC		
		in	mm	in	mm	in	mm	in	mm	in	mm	deg	deg	lb	kg	lb	kg	lb	kg
2-Stage Limited free lift	※V330	130.1	3,305	84.1	2,135	4.5	115	4.5	115	4.5	115	6	8	6,000	3,000	6,000	3,000	10,737	4,870
	V350	138.0	3,505	88.0	2,235							6	8	6,000	3,000	6,000	3,000	10,776	4,888
	V370	145.9	3,705	93.9	2,385							6	8	6,000	3,000	6,000	3,000	10,829	4,912
	V400	157.7	4,005	99.8	2,535							6	8	6,000	3,000	6,000	2,950	10,880	4,935
	V430	169.5	4,305	105.7	2,685							6	8	6,000	3,000	6,000	2,850	10,986	4,983
	V450	177.4	4,505	111.6	2,835							6	5	6,000	2,950	6,000	2,800	11,050	5,012
	V470	185.2	4,705	115.6	2,935							6	5	6,000	2,925	6,000	2,775	11,085	5,028
	V500	197.0	5,005	121.5	3,085							6	5	6,000	2,875	6,000	2,725	11,129	5,048
3-Stage full free lift	TF370	145.9	3,705	70.3	1,785	23.8	605	43.9	1,114	42.2	1,071	6	5	6,000	3,000	6,000	2,850	11,050	5,012
	TF400	157.7	4,005	74.2	1,885	27.8	705	47.8	1,214	46.1	1,171	6	5	6,000	2,925	6,000	2,775	11,096	5,033
	TF430	169.5	4,305	78.1	1,985	31.7	805	51.7	1,314	50.0	1,271	6	5	6,000	2,875	6,000	2,725	11,195	5,078
	TF450	177.4	4,505	82.1	2,085	35.6	905	55.7	1,414	55.7	1,414	6	5	6,000	2,825	5,900	2,675	11,206	5,083
	TF470	185.2	4,705	84.1	2,135	37.6	955	57.6	1,464	55.9	1,421	6	5	6,000	2,800	5,840	2,650	11,237	5,097
	TF500	197.0	5,005	88.0	2,235	41.5	1,055	61.6	1,564	59.9	1,521	6	5	6,000	2,750	5,730	2,600	11,292	5,122
	TF550	216.7	5,505	95.9	2,435	49.4	1,255	69.4	1,764	69.4	1,764	6	5	5,840	2,650	5,510	2,500	11,389	5,166
	TF600	236.4	6,005	103.7	2,635	57.3	1,455	77.3	1,964	77.3	1,964	6	5	4,240	1,925	3,910	1,775	11,568	5,247
	TF650	256.1	6,505	111.6	2,835	65.2	1,655	80.7	2,051	70.8	1,798	3	3	3,470	1,575	3,140	1,425	11,665	5,291
	TF700	275.8	7,005	119.5	3,035	73.0	1,855	88.6	2,251	78.7	1,998	3	3	3,090	1,400	2,760	1,250	11,762	5,335
	TS430	169.5	4,305	78.1	1,985	31.7	805	51.7	1,314	47.0	1,195	6	5	6,000	2,875	6,000	2,725	11,195	5,078
	TS450	177.4	4,505	82.1	2,085	35.6	905	55.7	1,414	53.0	1,345	6	5	6,000	2,825	5,900	2,675	11,206	5,083
	TS470	185.2	4,705	84.1	2,135	37.6	955	57.6	1,464	53.0	1,345	6	5	6,000	2,800	5,840	2,650	11,237	5,097
	TS500	197.0	5,005	88.0	2,235	41.5	1,055	61.6	1,564	56.9	1,445	6	5	6,000	2,750	5,730	2,600	11,292	5,122
	TS550	216.7	5,505	95.9	2,435	49.4	1,255	62.0	1,575	59.3	1,506	6	5	5,840	2,650	5,510	2,500	11,389	5,166
	TS600	236.4	6,005	103.7	2,635	57.3	1,455	69.9	1,775	67.2	1,706	6	5	4,240	1,925	3,910	1,775	11,568	5,247
	TS650	256.1	6,505	111.6	2,835	65.2	1,655	85.2	2,164	72.2	1,835	3	3	3,470	1,575	3,140	1,425	11,665	5,291
	TS700	275.8	7,005	119.5	3,035	73.0	1,855	93.1	2,364	80.1	2,035	3	3	3,090	1,400	2,760	1,250	11,762	5,335
4-Stage full free lift	QF610	240.7	6,115	83.5	2,120	37.0	940	57.0	1,449	57.0	1,449	3	3	3,860	1,750	3,530	1,600	11,874	5,386
	QF660	260.4	6,615	91.3	2,320	44.9	1,140	64.9	1,649	64.9	1,649	3	3	3,690	1,675	3,360	1,525	12,006	5,446
	QF700	276.2	7,015	95.3	2,420	48.8	1,240	68.9	1,749	68.9	1,749	3	3	3,250	1,475	2,920	1,325	12,073	5,476
	QF745	293.9	7,465	101.2	2,570	54.7	1,390	74.8	1,899	69.4	1,762	3	3	2,590	1,175	2,260	1,025	12,174	5,522
	QF790	311.6	7,915	107.1	2,720	60.6	1,540	75.4	1,915	64.1	1,628	3	3	1,600	725	1,270	575	12,394	5,622

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

* Standard

Mast Specification (32BC-9)

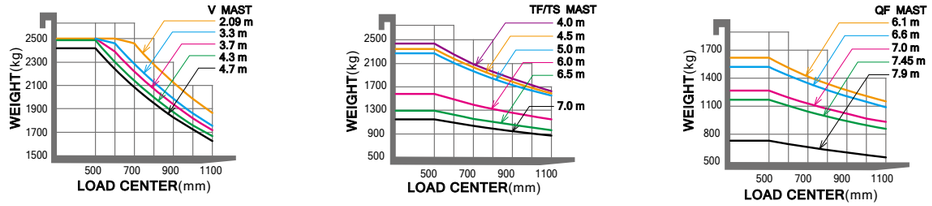
Mast Type		Maximum Fork Height		Overall Height (Lowered)		Free Lift Height						Tilt Angle		Load capacity w/o side shift		Load capacity w/side shift		Truck Weight (Unloaded)	
						With Load Backrest		Without Load Backrest		Without Load Backrest (3/4-SPOOL)									
		in	mm	in	mm	in	mm	in	mm	in	mm	deg	deg	24 in LC	500mm LC	24 in LC	500mm LC	lb	kg
2-Stage Limited free lift	※V330	130.1	3,305	86.8	2,205	4.5	115	4.5	115	4.5	115	6	8	6,500	3,200	6,500	3,200	11,246	5,101
	V350	138.0	3,505	90.7	2,305							6	8	6,500	3,200	6,500	3,200	11,288	5,120
	V370	145.9	3,705	96.7	2,455							6	8	6,500	3,200	6,500	3,150	11,338	5,143
	V400	157.7	4,005	102.6	2,605							6	8	6,500	3,200	6,500	3,100	11,391	5,167
	V430	169.5	4,305	108.5	2,755							6	8	6,500	3,200	6,500	3,050	11,495	5,214
	V450	177.4	4,505	114.4	2,905							6	5	6,500	3,175	6,500	3,025	11,561	5,244
	V470	185.2	4,705	118.3	3,005							6	5	6,500	3,150	6,500	3,000	11,594	5,259
	V500	197.0	5,005	124.2	3,155							6	5	6,500	3,100	6,500	2,950	11,647	5,283
3-Stage full free lift	TF370	145.9	3,705	73.0	1,855	26.6	675	44.6	1,132	44.6	1,132	6	5	6,500	3,200	6,500	3,050	11,610	5,266
	TF400	157.7	4,005	77.0	1,955	30.5	775	48.5	1,232	48.5	1,232	6	5	6,500	3,125	6,500	2,975	11,658	5,288
	TF430	169.5	4,305	80.9	2,055	34.4	875	52.4	1,332	52.4	1,332	6	5	6,500	3,050	6,390	2,900	11,713	5,313
	TF450	177.4	4,505	84.8	2,155	38.4	975	56.4	1,432	56.4	1,432	6	5	6,500	3,000	6,280	2,850	11,766	5,337
	TF470	185.2	4,705	86.8	2,205	40.4	1,025	58.3	1,482	58.3	1,482	6	5	6,500	2,975	6,230	2,825	11,799	5,352
	TF500	197.0	5,005	90.7	2,305	44.3	1,125	62.3	1,582	62.3	1,582	6	5	6,390	2,900	6,060	2,750	11,852	5,376
	TF550	216.7	5,505	98.6	2,505	52.2	1,325	70.2	1,782	70.2	1,782	6	5	6,230	2,825	5,900	2,675	11,951	5,421
	TF600	236.4	6,005	106.5	2,705	60.0	1,525	78.0	1,982	78.0	1,982	6	5	4,520	2,050	4,190	1,900	12,125	5,500
	TF650	256.1	6,505	114.4	2,905	67.9	1,725	85.9	2,182	81.1	2,061	3	3	3,750	1,700	3,420	1,550	12,225	5,545
	TF700	275.8	7,005	122.2	3,105	75.8	1,925	93.8	2,382	89.0	2,261	3	3	3,310	1,500	2,980	1,350	12,225	5,545
	TS430	169.5	4,305	80.9	2,055	34.4	875	52.4	1,332	50.5	1,283	6	5	6,500	3,050	6,390	2,900	11,713	5,313
	TS450	177.4	4,505	84.8	2,155	38.4	975	56.4	1,432	56.4	1,432	6	5	6,500	3,000	6,280	2,850	11,766	5,337
	TS470	185.2	4,705	86.8	2,205	40.4	1,025	58.3	1,482	56.4	1,433	6	5	6,500	2,975	6,230	2,825	11,799	5,352
	TS500	197.0	5,005	90.7	2,305	44.3	1,125	62.3	1,582	60.4	1,533	6	5	6,390	2,900	6,060	2,750	11,852	5,376
	TS550	216.7	5,505	98.6	2,505	52.2	1,325	70.2	1,782	70.2	1,782	6	5	6,230	2,825	5,900	2,675	11,951	5,421
	TS600	236.4	6,005	106.5	2,705	60.0	1,525	78.0	1,982	78.0	1,982	6	5	4,520	2,050	4,190	1,900	12,125	5,500
	TS650	256.1	6,505	114.4	2,905	67.9	1,725	81.2	2,063	71.0	1,804	3	3	3,750	1,700	3,420	1,550	12,225	5,545
	TS700	275.8	7,005	122.2	3,105	75.8	1,925	89.1	2,263	78.9	2,004	3	3	3,310	1,500	2,980	1,350	12,225	5,545
4-Stage full free lift	QF610	240.7	6,115	85.4	2,170	39.0	990	57.0	1,449	57.0	1,449	3	3	4,080	1,850	3,750	1,700	12,430	5,638
	QF660	260.4	6,615	93.3	2,370	46.9	1,190	64.9	1,649	64.9	1,649	3	3	3,860	1,750	3,530	1,600	12,562	5,698
	QF700	276.2	7,015	97.2	2,470	50.8	1,290	68.9	1,749	68.9	1,749	3	3	3,250	1,475	2,920	1,325	12,628	5,728
	QF745	293.9	7,465	103.1	2,620	56.7	1,440	74.8	1,899	73.3	1,862	3	3	2,090	950	1,760	800	12,723	5,771
	QF790	311.6	7,915	109.1	2,770	62.6	1,590	79.3	2,015	72.0	1,828	3	3	1,270	575	940	425	12,952	5,875

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

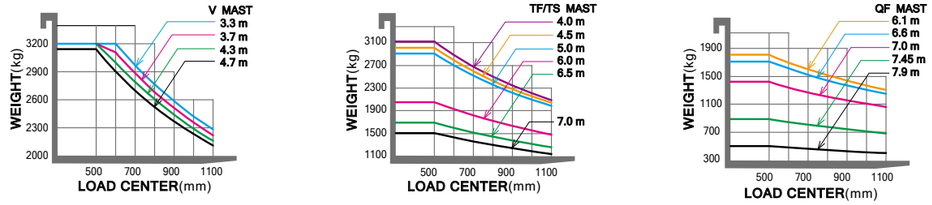
* Standard

Load Capacity

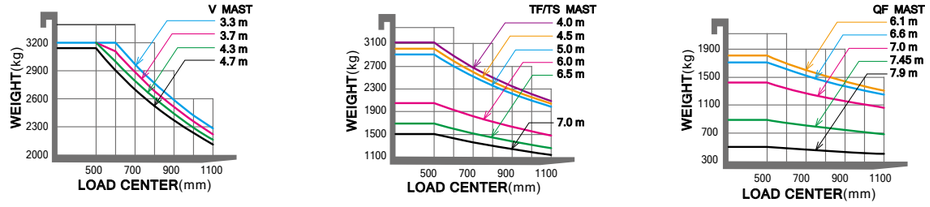
25BC-9



30BC-9



32BC-9

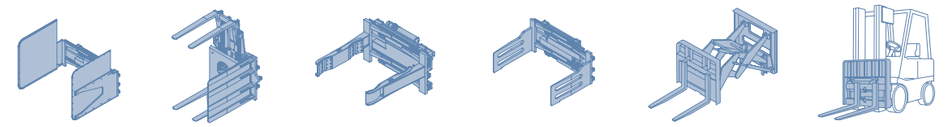


Various Attachments

Side Shift | Hinged Fork | Hinged Bucket | Rotating Fork | Push Pull | Rotating Roll Clamp | Load Stabilizer



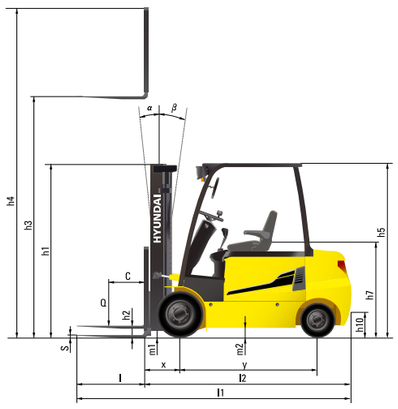
Carton Clamp | Pallet Invert | Drum Clamp | Bale Clamp | Load Extender | Fork Positioner

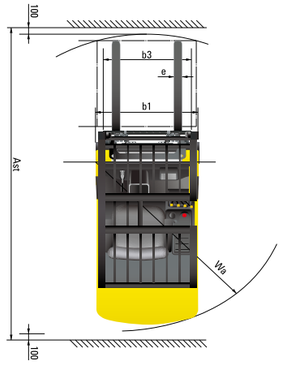


Optional Items

- **Fork(mm)**
  25BC-9 : 900 / 1,000 / 1,050(STD) / 1,200 / 1,350 / 1,500 / 1,650 / 1,800
  30/32BC-9 : 900 / 1,050(STD) / 1,150 / 1,200 / 1,350 / 1,500 / 1,650 / 1,800
- **Integral Sideshift**
- **Tire :** Lug Rubber Type(STD) /Smooth Rubber Type / Non-Marking (Lug or Smooth Type)
- **Seat :** Grammer
- **Finger Tip Control**
- **Cold Storage** (for -30° cold working environments)
- **M.C.V :** 3-Spool, 4-Spool
- **Beacon Lamp**
- **Work Lamp**
- **Load Indicator**
- **OPSS** : Mast
- **UL** : ES, EE
- **Direction Switch on Lever**

Dimension





Specification

Identification

1. 1	Manufacturer		HYUNDAI		
1. 2	Manufacturer's type designation		25BC-9	30BC-9	32BC-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	2,500	3,000	3,200
1. 6	Load center distance	c mm	500	500	500
1. 8	Load distance, center of drive axle to fork	x mm	458	458	458
1. 9	Wheelbase	y mm	1,290	1,400	1,400

Weights

2. 1	Service weight	kg	4,415	4,870	5,080
2. 2	Axle loading, loaded front / rear	kg	6,015 / 900	6,851 / 1,019	7,211 / 1,069
2. 3	Axle loading , unloaded front / rear	kg	1,712 / 2,703	1,859 / 3,011	1,855 / 3,190

Wheels, Chassis

3. 1	Tires : solid rubber (V), superelastic (SE), pneumatic (P), polyurethane (PE)		V	V	V
3. 2	Tires size, front (Φ x width)		21x7x15	21x8x15	21x8x15
3. 3	Tires size, rear (Φx width)		16x6x10.5	16x6x10.5	16x6x10.5
3. 5	Wheels, number front rear (x = driven wheels)		2x/2	2x/2	2x/2
3. 6	Track width, front	mm	890	915	915
3. 7	Track width, rear	mm	910	910	910

Basic Dimensions

4. 1	Mast / fork carriage tilt forward / backward	degrees	6 / 8	6 / 8	6 / 8
4. 2	Lowered mast height	h1 mm	2,135	2,135	2,205
4. 3	Free lift height	h2 mm	115	115	115
4. 4	Lift height	h3 mm	3,300	3,300	3,300
4. 5	Extended mast height	h4 mm	4,485	4,485	4,485
4. 7	Overhead guard (cab) height	h5 mm	2,235	2,235	2,235
4. 8	Seat height / Standing height	h7 mm	1,295	1,295	1,295
4. 12	Coupling height	h10 mm	275	275	275
4. 19	Overall length	l1 mm	3,255	3,395	3,395
4. 20	Length to face of forks	l2 mm	2,205	2,345	2,345
4. 21	Overall width	b1 mm	1,110	1,118	1,118
4. 22	Fork dimensions	l / e / s mm	1,050 x 122 x 45	1,050 x 122 x 45	1,050 x 122 x 45
4. 23	Fork carriage ISO 2328, class / type A, B		II /A	III /A	III /A
4. 24	Fork carriage width	b3 mm	980	980	980
4. 31	Ground clearance, loaded, under mast	m1 mm	90	90	90
4. 32	Ground clearance, centre of wheelbase	m2 mm	108	108	108
4.34.1	Aisle width for pallets 1,000 x 1,200 crossways	Ast mm	3,597	3,753	3,753
4.34.2	Aisle width for pallets 800 x 1,200 lengthways	Ast mm	3,793	3,953	3,953
4. 35	Turning radius	Wa mm	1,935	2,095	2,095

Performance Data

5. 1	Travel speed, loaded / unloaded (48V)	km/h	17 / 18	17 / 18	17 / 18
5. 2	Lift speed, loaded / unloaded (48V)	mm/s	410 / 610	340 / 500	330 / 500
5. 3	Lowering speed, loaded / unloaded	mm/s	500 / 450	500 / 450	500 / 450
5. 6	Max. drawbar pull, loaded / unloaded S2 5min	N	14,245 / 14,276	14,086 / 14,148	14,043 / 14,094
5. 8	Max. gradient performance, loaded / unloaded S2 5min	%	20 / 17	18 / 18	17 / 16
5. 10	Service brake		Hydraulic	Hydraulic	Hydraulic

E - Motor

6. 1	Drive motor rating S2 60 min (48V)	kW	14	14	14
6. 2	Pump motor rating at S3 15% (48V)	kW	17	17	17
6. 4	Battery voltage, nominal capacity K5 (48V)	Ah	740	845	845
6. 5	Battery weight	kg	1,130	1,360	1,360
	Battery compartment dimensions L / W / H	mm	1,012 / 772 / 601	1,012 / 872 / 601	1,012 / 872 / 601

Other Details

8. 1	Type of drive control		AC	AC	AC

MEMO