

# 25/30/35BH-9

5,000-7,000 lbs. capacities

Electric Counterbalance Lift Truck

# HYUNDAI

MATERIAL HANDLING

NO ONE DELIVERS MORE

MORE RELIABILITY.  
MORE VERSATILITY.  
ALL TO HELP YOU  
SAVE AND EARN  
MORE MONEY.



## Get more of what you're looking for: THE 25, 30, 35BH-9 FROM HYUNDAI

Versatility, reliability, and durability all come together in the rugged BH-9 Series from Hyundai. Engineered to deliver the power and performance you need, the BH-9 Series also offers your operators maximum comfort to not only reduce fatigue but drive up productivity, shift after shift. And like most Hyundai electric forklifts, the BH-9 is available with Li-Ion power that increases the performance of the forklift while dramatically lowering your operating costs and downtime.

The BH-9 offers you all of this and more, including simplified servicing, outstanding maneuverability and the best line-up of advanced features on the market today.



### MULTIFUNCTION LCD DASH DISPLAY

This advanced digital system clearly displays essential operational information in real time. It also allows the operator to select various performance modes to match conditions—including High, Normal, Economy, and Turtle modes. Other features include:

- 3.5" LCD smart monitor highlights all essential information
- Onboard diagnostics and data logging
- Maintenance tracking and a load weight indicator



### EFFICIENT DUAL DRIVE SYSTEM

This powerful system delivers optimum performance in all types of work environments, including uneven and wet pavements. The smooth running enclosed drive features brushless AC motors for maximum efficiency with minimal maintenance. Its many advantages include:

- Outstanding travel speeds up to 12 MPH (unloaded)
- Superior gradability up to 26% (loaded)
- Enhanced maneuverability to navigate confined spaces



### SIMPLIFIED MAINTENANCE

Throughout the BH-9 you'll find design features to speed maintenance and reduce downtime. This includes easy removal and installation of batteries through the side of the forklift without the need for specialized equipment. There is also a convenient brake oil reservoir with an electronic level sensor.



### ADVANCED LITHIUM-ION POWER

The optional Li-ion battery features rapid charging in just 2 hours and delivers outstanding performance with a lower cost of ownership. It requires no daily maintenance and eliminates the need to swap batteries at shift changes. All while offering up to 15% savings on electric bills, with fast lift and travel speeds.



### SPACIOUS, COMFORTABLE CAB

The BH-9 features a cabin designed to reduce operator fatigue, increase comfort, and provide superior visibility with a full field of view. Productivity enhancing features include optimized pedal positions, a large, non-slip entrance step, fully adjustable steering wheel, and an adjustable Grammer™ seat.



### AUTO FORK LEVELING

This optional system stops forks automatically when they reach a level position for precise load handling.



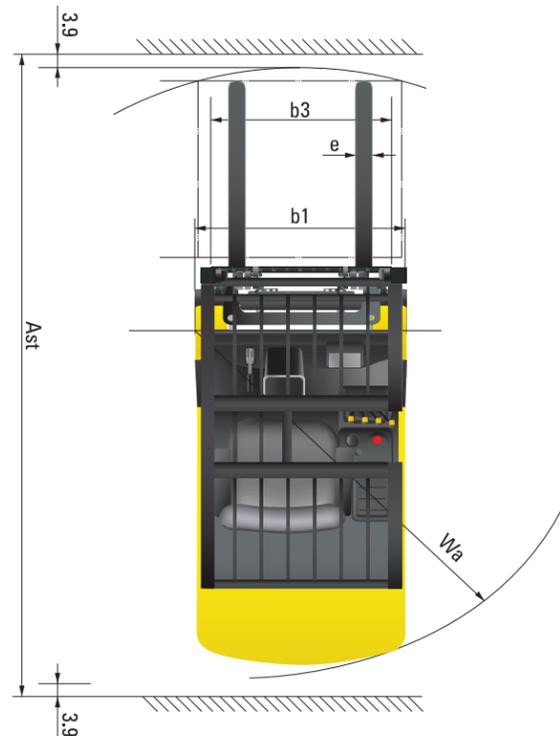
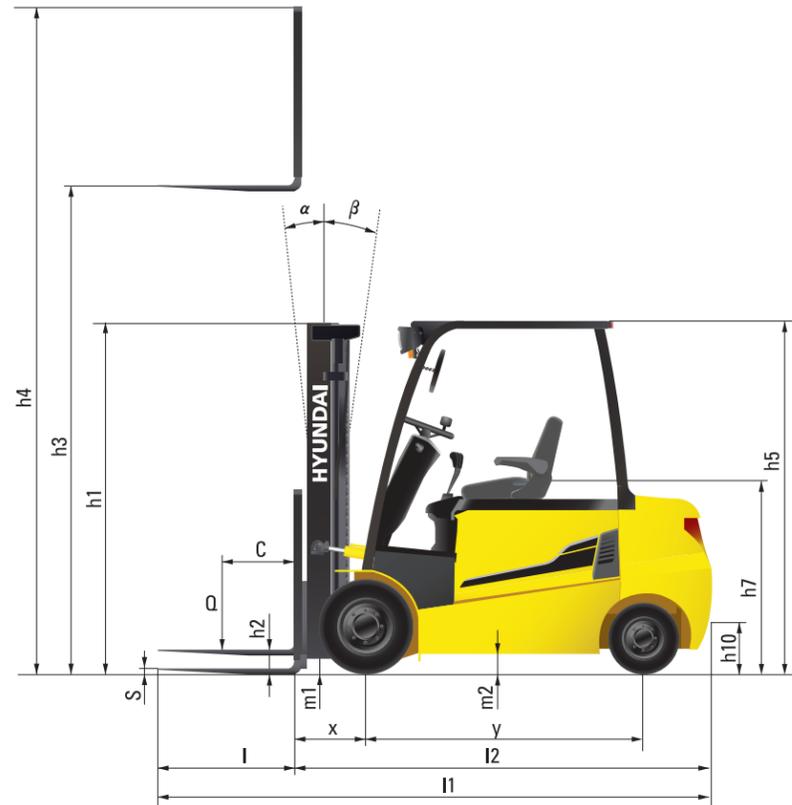
### STRONG OVERHEAD GUARD

The guard exceeds ISO 6055 and ANSI regulations and combines greater protection with excellent visibility.

## The BH-9 brings you even more advantages.

- Optional fingertip control levers for improved operator comfort and precise handling
- Curve control reduces the risk of the operator exceeding a safe speed when making a turn by controlling the travel speed and acceleration of the unit
- Hill assist control prevents the machine from rolling back after stopping on inclines or declines
- Operator Presence Safety System (OPSS) requires the operator to be present, in the seat, to have the use of the travel and hydraulic functions
- ZAPI control system assures maximum performance from the motors while offering greater durability and extended service intervals
- Optimized lift cylinder arrangement and a panoramic mirror for optimized forward and backward visibility
- LED combination lights, halogen headlights, and rear deflectors for added safety throughout your facility
- Speed limiting function allows you to set a maximum vehicle speed to safeguard the equipment, the operator and the load
- Down safety valve prevents forks from dropping in the event of damage to the hydraulic line
- Optional electronic directional control and secondary horn on the hydraulic lift lever for precise maneuvering

## Dimensions



## Specifications

Identification						
1.1	Manufacturer			Hyundai		
1.2	Manufacturer's Type Designation		25BH-9	30BH-9	35BH-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	lb	5,000	6,000	7,000
1.6	Load Center Distance	c	in	24	24	24
1.8	Load Distance, Center of Front Axle to Fork	x	in	18	18	18.5
1.9	Wheelbase	y	in	62	68	68
Weights						
2.1	Service Weight		lb	10,384	11,310	12,331
2.2	Axle Loading, Loaded Front/Rear		lb	13,977 / 1,918	15,955 / 1,969	17,756 / 2,317
2.3	Axle Loading, Unloaded Front/Rear		lb	5,115 / 5,269	5,655 / 5,655	5,686 / 6,671
Wheels, Chassis						
3.1	Tires			Pneumatic	Pneumatic	Pneumatic
3.2	Tires Size, Front (ø x Width)			23 x 9 x 10	23 x 9 x 10	23 x 10 x 12
3.3	Tires Size, Rear (ø x Width)			18 x 7 x 8	18 x 7 x 8	18 x 7 x 8
3.4	Wheels, Number Front Rear (x=Driven Wheels)			2 x /2	2 x /2	2 x /2
3.6	Track Width, Front		in	39	39	39.5
3.7	Track Width, Rear		in	38.5	38.5	38.5
Basic Dimensions						
4.1	Mast/Fork Carriage Tilt Forward / Backward		deg	6 / 8	6 / 8	6 / 8
4.2	Lowered Mast Height	h1	In	85.1	85.1	88.3
4.3	Free Lift Height	h2	In	4.5	4.5	4.5
4.4	Lift Height	h3	In	130.1	130.1	130.1
4.5	Extended Mast Height	h4	In	176.5	176.5	176.5
4.7	Overhead Load Guard (Cab) Height	h5	In	87	87	87
4.8	Seat Height / Standing Height	h7	In	48.2	48.2	48.2
4.12	Coupling Height	h10	In	15.6	15.6	15.6
4.19	Overall Length	l1	in	134.4	139.5	143.7
4.20	Length to Face of Forks	l2	In	93.1	98.2	102.3
4.21	Overall Width	b1	in	47	47	49
4.22	Fork Dimensions	L x W x H	in	41.3 x 4 x 1.8	41.3 x 4.8 x 1.7	41.3 x 4.8 x 1.7
4.23	Fork Carriage ISO 2328, Class / Type A,B			II / A	III / A	III / A
4.24	Fork-Carriage Width	b3	in	43.4	43.4	43.3
4.31	Ground Clearance, Loaded, Under Mast	m1	in	4.6	4.6	5
4.32	Ground Clearance, Center of Wheelbase	m2	In	4.5	4.5	4.5
4.33	Aisle Width for Pallets 39.3 x 47.2 Crossways	Ast	in	145	149.5	154.2
4.34	Aisle Width for Pallets 31.5 x 47.2 Lengthways	Ast	in	152	156.9	161.5
4.35	Turning Radius	Wa	in	78.7	83.7	87.9
4.36	Smallest Pivot Point Distance		in	13.3	15.9	15.9
Performance Data						
5.1	Travel Speed, Loaded / Unloaded (80v)		mph	11.1 / 11.8	11.1 / 11.8	11.1 / 11.8
5.2	Lift Speed, Loaded / Unloaded (80v)		ft/min	80.7 / 118	66.9 / 98.4	64.9 / 98.4
5.3	Lowering Speed, Loaded / Unloaded		ft/min	99 / 88.5	99 / 88.5	99 / 88.5
5.6	Max. Drawbar Pull, Loaded		lbf	4,051.5 / 3,994.1	4,016 / 3,990	3,787.1 / 3,802.4
5.8	Max. Gradient Performance, Loaded / Unloaded S2 5 min		%	26 / 24	22 / 24	19 / 22
5.10	Service Brake			Hydraulic	Hydraulic	Hydraulic
E-Motor						
6.1	Drive motor rating S2 60 min (80V)		hp	10.7 x 2	10.7 x 2	10.7 x 2
6.2	Lift motor rating at S3 20% (S2 10min)		hp	26.4	26.4	26.4
6.3	Battery voltage, nominal capacity K5		V / Ah	80 / 500	80 / 600	80 / 600
6.4	Battery weight (min)		lb	3,527	4,409	4,409
	Battery compartment dimensions L x W x H			28.1 x 40.5 x 31.2	33.7 x 40.5 x 31.2	33.7 x 40.5 x 31.2
Additional Data						
8.1	Type of Drive Control			AC	AC	AC

\* All specifications in this catalog are subject to change according to the optional items.

25BH-9											
Mast Type	Maximum Fork Height	Overall Height (Lowered)	Free Lift Height			Mast Tilt Angle		Load capacity w/o Sideshift	Load capacity with Sideshift	Truck Weight (Unloaded)	
			w/ Load Backrest	w/o Load Backrest	w/o Load Backrest (3/4 SPOOL)	Fwd	Bwd				
			in	in	in	deg	deg	lb	lb		lb
2-Stage Limited Free Lift	V300	118.3	79.2	4.5	4.5	4.5	6	8	5,000	5,000	10,341
	V330*	130.1	85.1				6	8	5,000	5,000	10,384
	V350	138.0	89.1				6	8	5,000	5,000	10,421
	V370	145.9	95.0				6	8	5,000	5,000	10,470
	V400	157.7	100.9				6	8	5,000	5,000	10,518
	V430	169.5	106.8				6	6	5,000	5,000	10,625
	V450	177.4	112.7				6	6	4,960	4,740	10,691
	V470	185.2	116.6				6	6	4,890	4,670	10,723
	V500	197.0	122.5				6	6	4,810	4,590	10,771
2-Stage Full Free Lift	VF/VS295	117.2	79.2	32.8	54.3	54.3	6	6	5,000	5,000	10,474
	VF/VS325	129.0	85.1	38.7	60.2	60.2	6	6	5,000	5,000	10,547
	VF/VS345	136.9	89.1	42.6	64.1	64.1	6	6	5,000	5,000	10,620
3-Stage Full Free Lift	TF370	145.9	71.3	24.9	44.2	42.6	6	6	5,000	5,000	10,663
	TF400	157.7	75.3	28.8	48.1	46.5	6	6	5,000	4,870	10,707
	TF430	169.5	79.2	32.8	52.0	50.4	6	6	4,960	4,740	10,753
	TF450	177.4	83.1	36.7	56.0	56.0	6	6	4,890	4,670	10,800
	TF470	185.2	85.1	38.7	58.0	56.3	6	6	4,830	4,610	10,825
	TF500	197.0	89.1	42.6	61.9	60.3	6	6	4,740	4,520	10,879
	TF550	216.7	96.9	50.5	69.8	69.8	6	6	4,560	4,340	10,965
	TF600	236.4	104.8	58.3	77.6	77.6	6	6	4,430	4,210	11,046
	TF650	256.1	112.7	66.2	81.1	71.3	3	3	3,730	3,800	11,160
	TF700	275.8	120.6	74.1	89.0	79.1	3	3	2,910	2,900	11,246
	TS370	145.9	71.3	24.9	44.2	42.3	6	6	5,000	5,000	10,663
	TS400	157.7	75.3	28.8	48.1	46.2	6	6	5,000	4,870	10,707
	TS430	169.5	79.2	32.8	52.0	50.2	6	6	4,960	4,740	10,753
	TS450	177.4	83.1	36.7	56.0	56.0	6	6	4,890	4,670	10,800
	TS470	185.2	85.1	38.7	58.0	56.1	6	6	4,830	4,610	10,825
	TS500	197.0	89.1	42.6	61.9	60.0	6	6	4,740	4,520	10,879
	TS550	216.7	96.9	50.5	69.8	69.8	6	6	4,560	4,340	10,965
	TS600	236.4	104.8	58.3	77.6	77.6	6	6	4,430	4,210	11,046
	TS650	256.1	112.7	66.2	80.9	70.7	3	3	3,730	3,800	11,160
	TS700	275.8	120.6	74.1	88.7	78.6	3	3	2,910	2,900	11,246
4-Stage Full Free Lift	QF610	240.7	84.5	38.1	59.6	57.6	3	3	3,420	3,200	11,632
	QF660	260.4	92.4	45.9	67.5	65.4	3	3	3,220	3,000	11,764
	QF700	276.2	96.3	49.9	71.4	69.4	3	3	2,690	2,470	11,831
	QF745	293.9	102.2	55.8	75.4	67.4	3	3	2,490	2,270	11,932
	QF790	311.6	108.1	61.7	75.4	61.5	3	3	1,570	1,350	12,154

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

\* Standard

30BH-9											
Mast Type	Maximum Fork Height	Overall Height (Lowered)	Free Lift Height			Mast Tilt Angle		Load capacity w/o Sideshift	Load capacity with Sideshift	Truck Weight (Unloaded)	
			w/ Load Backrest	w/o Load Backrest	w/o Load Backrest (3/4 SPOOL)	Fwd	Bwd				
			in	in	in	deg	deg	lb	lb		lb
2-Stage Limited Free Lift	V300	118.3	79.2	4.5	4.5	4.5	6	8	6,000	6,000	11,263
	V330*	130.1	85.1				6	8	6,000	6,000	11,310
	V350	138.0	89.1				6	8	6,000	6,000	11,350
	V370	145.9	95.0				6	8	6,000	6,000	11,402
	V400	157.7	100.9				6	8	6,000	6,000	11,454
	V430	169.5	106.8				6	6	6,000	6,000	11,565
	V450	177.4	112.7				6	6	6,000	6,000	11,635
	V470	185.2	116.6				6	6	6,000	6,000	11,669
	V500	197.0	122.5				6	6	6,000	6,000	11,721
2-Stage Full Free Lift	VF/VS295	117.2	79.2	32.8	51.9	51.9	6	6	6,000	6,000	11,340
	VF/VS325	129.0	85.1	38.7	60.2	57.8	6	6	6,000	6,000	11,411
	VF/VS345	136.9	89.1	42.6	61.7	61.7	6	6	6,000	6,000	11,484
3-Stage Full Free Lift	TF370	145.9	71.3	24.9	44.0	42.6	6	6	6,000	6,000	11,624
	TF400	157.7	75.3	28.8	47.9	46.5	6	6	6,000	6,000	11,670
	TF430	169.5	79.2	32.8	51.9	50.4	6	6	6,000	6,000	11,768
	TF450	177.4	83.1	36.7	55.8	55.8	6	6	6,000	6,000	11,778
	TF470	185.2	85.1	38.7	57.8	56.3	6	6	6,000	6,000	11,805
	TF500	197.0	89.1	42.6	61.7	60.3	6	6	6,000	5,790	11,860
	TF550	216.7	96.9	50.5	69.6	69.6	6	6	5,860	5,560	11,956
	TF600	236.4	104.8	58.3	77.4	77.4	6	6	5,690	5,390	12,049
	TF650	256.1	112.7	66.2	81.1	71.5	3	3	4,670	4,370	12,161
	TF700	275.8	120.6	74.1	89.0	79.3	3	3	3,860	3,560	12,247
	TS370	145.9	71.3	24.9	44.0	41.5	6	6	6,000	6,000	11,624
	TS400	157.7	75.3	28.8	47.9	45.4	6	6	6,000	6,000	11,670
	TS430	169.5	79.2	32.8	51.9	49.3	6	6	6,000	6,000	11,768
	TS450	177.4	83.1	36.7	55.8	55.2	6	6	6,000	6,000	11,778
	TS470	185.2	85.1	38.7	57.8	55.2	6	6	6,000	6,000	11,805
	TS500	197.0	89.1	42.6	61.7	59.2	6	6	6,000	5,790	11,860
	TS550	216.7	96.9	50.5	69.6	69.0	6	6	5,860	5,560	11,956
	TS600	236.4	104.8	58.3	77.4	76.9	6	6	5,690	5,390	12,049
	TS650	256.1	112.7	66.2	80.0	69.3	3	3	4,670	4,370	12,161
	TS700	275.8	120.6	74.1	87.9	77.1	3	3	3,860	3,560	12,247
4-Stage Full Free Lift	QF610	240.7	84.5	38.1	57.2	57.2	3	3	3,750	3,450	12,485
	QF660	260.4	92.4	45.9	65.0	65.0	3	3	3,530	3,230	12,616
	QF700	276.2	96.3	49.9	69.0	74.9	3	3	2,910	2,610	12,683
	QF745	293.9	102.2	55.8	74.9	69.8	3	3	2,600	2,300	12,784
	QF790	311.6	108.1	61.7	75.8	64.8	3	3	1,590	1,290	13,006

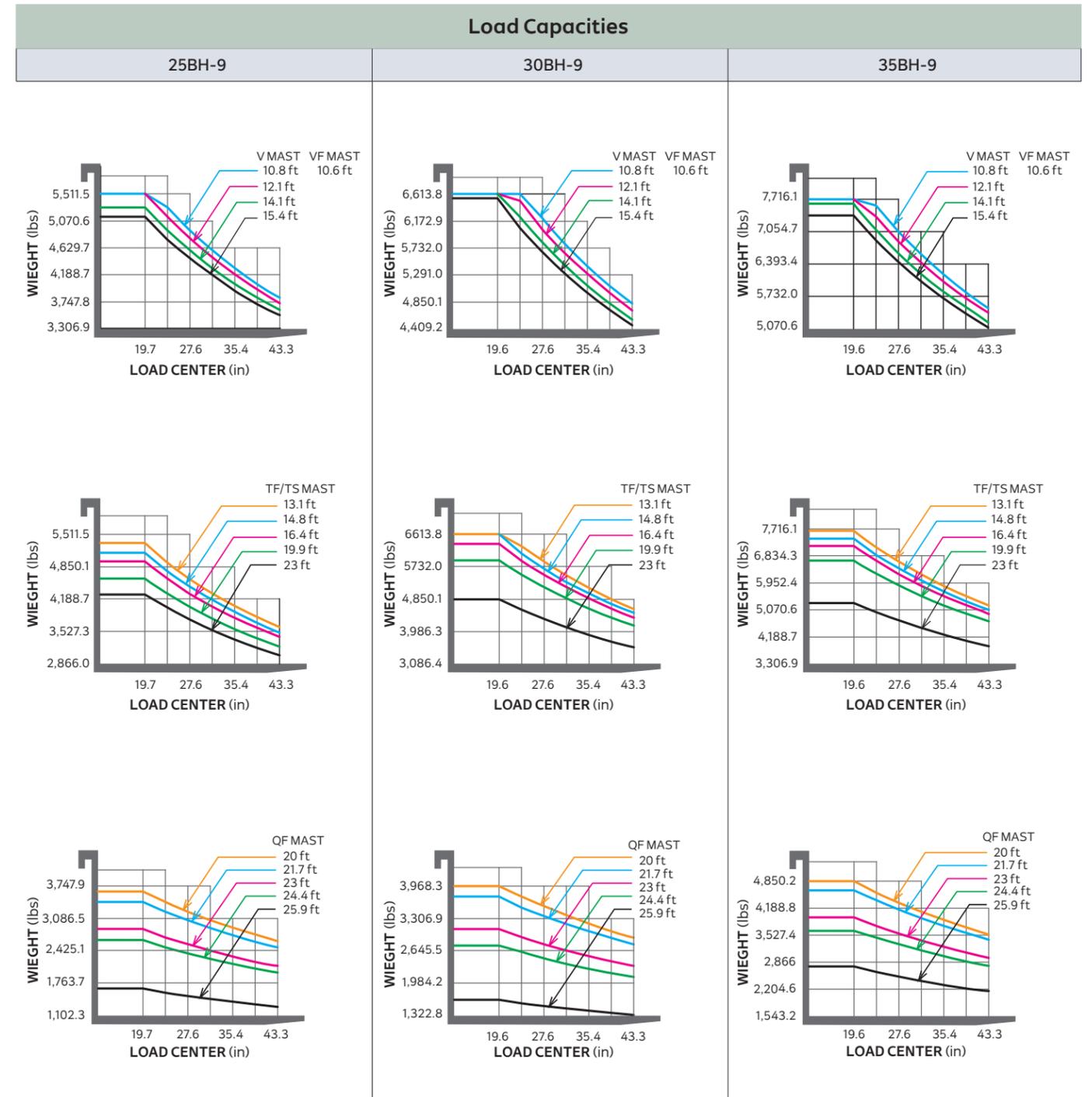
TS-Mast : Wide Visible 3-Stage Full Free Lift Mast with 2 Free Lift Cylinders.

\* Standard

35BH-9											
Mast Type		Maximum Fork Height	Overall Height (Lowered)	Free Lift Height			Mast Tilt Angle		Load capacity w/o Sideshift	Load capacity with Sideshift	Truck Weight (Unloaded)
				w/Load Backrest	w/o Load Backrest	w/o Load Backrest (3/4 SPOOL)	Fwd	Bwd			
				in	in	in	deg	deg	lb	lb	
2-Stage Limited Free Lift	V300	118.3	82.4	4.5	4.5	4.5	6	8	7,000	7,000	12,306
	V330*	130.1	88.3				6	8	7,000	7,000	12,357
	V350	138.0	92.2				6	8	7,000	7,000	12,398
	V370	145.9	98.1				6	8	7,000	7,000	12,451
	V400	157.7	104.1				6	8	7,000	7,000	12,503
	V430	169.5	110.0				6	6	7,000	7,000	12,615
	V450	177.4	115.9				6	6	7,000	7,000	12,685
	V470	185.2	119.8				6	6	7,000	6,810	12,719
V500	197.0	125.7	6	6	6,920	6,620	12,772				
2-Stage Full Free Lift	VF/VS295	117.2	82.4	35.9	54.2	54.2	6	6	7,000	7,000	12,385
	VF/VS325	129.0	88.3	41.9	60.1	60.1	6	6	7,000	7,000	12,458
	VF/VS345	136.9	92.2	45.8	64.1	64.1	6	6	7,000	7,000	12,531
3-Stage Full Free Lift	TF370	145.9	74.5	28.1	46.3	46.3	6	6	7,000	7,000	12,742
	TF400	157.7	78.5	32.0	50.3	50.3	6	6	7,000	7,000	12,795
	TF430	169.5	82.4	35.9	54.2	54.2	6	6	7,000	7,000	12,856
	TF450	177.4	86.3	39.9	58.1	58.1	6	6	7,000	7,000	12,911
	TF470	185.2	88.3	41.9	60.1	60.1	6	6	7,000	6,760	12,948
	TF500	197.0	92.2	45.8	64.1	64.1	6	6	6,830	6,530	12,997
	TF550	216.7	100.1	53.7	71.9	71.9	6	6	6,610	6,310	13,094
	TF600	236.4	108.0	61.5	79.8	79.8	6	6	6,420	6,120	13,189
	TF650	256.1	115.9	69.4	86.7	81.1	3	3	5,400	5,100	13,302
	TF700	275.8	123.7	77.3	94.5	89.0	3	3	4,590	4,290	13,388
	TS370	145.9	74.5	28.1	46.3	46.3	6	6	7,000	7,000	12,742
	TS400	157.7	78.5	32.0	50.3	50.3	6	6	7,000	7,000	12,795
	TS430	169.5	82.4	35.9	54.2	54.2	6	6	7,000	7,000	12,856
	TS450	177.4	86.3	39.9	58.1	58.1	6	6	7,000	7,000	12,911
	TS470	185.2	88.3	41.9	60.1	60.1	6	6	7,000	6,760	12,948
	TS500	197.0	92.2	45.8	64.1	64.1	6	6	6,830	6,530	12,997
	TS550	216.7	100.1	53.7	71.9	71.9	6	6	6,610	6,310	13,094
TS600	236.4	108.0	61.5	79.8	79.8	6	6	6,420	6,120	13,189	
TS650	256.1	115.9	69.4	85.6	80.0	3	3	5,400	5,100	13,302	
TS700	275.8	123.7	77.3	93.4	87.9	3	3	4,590	4,290	13,388	
4-Stage Full Free Lift	QF610	240.7	85.0	40.0	57.4	57.4	3	3	5,180	4,880	14,565
	QF660	260.4	92.8	47.9	65.3	65.3	3	3	4,980	4,680	14,697
	QF700	276.2	96.8	51.9	69.3	69.3	3	3	4,390	4,090	14,764
	QF745	293.9	102.7	57.8	75.2	74.1	3	3	4,080	3,780	14,865
QF790	311.6	108.6	63.7	80.1	74.1	3	3	3,040	2,740	15,087	

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

\*Standard



Side Shift



Hinged Fork



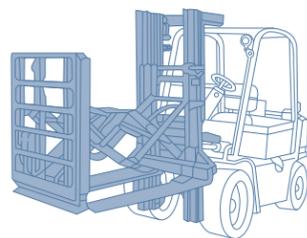
Hinged Bucket



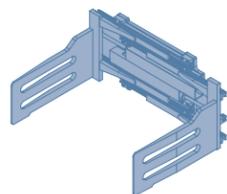
Rotating Fork



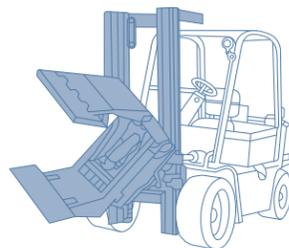
Push Pull



Bale Clamp



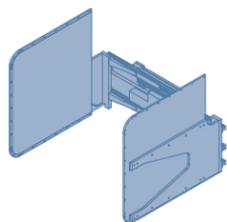
Rotating Roll Clamp



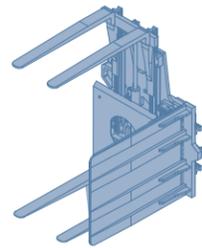
Load Stabilizer



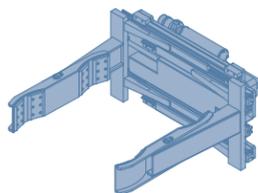
Carton Clamp



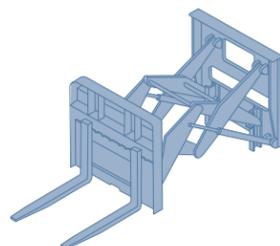
Pallet Invert



Drum Clamp



Load Extender



Fork Positioner



# HI-MATE MANAGEMENT SYSTEM

Hi-Mate is one of the industry's most advanced remote management system. With continuous data collection, Hi-Mate delivers more communication, control, and ability to track, monitor, maintain, and manage your forklift fleet. It is the proven way to efficiently coordinate both your equipment and human resources.

## ONLY HYUNDAI OFFERS YOU SUCH A COMPREHENSIVE, FULLY INTEGRATED TELEMATICS SYSTEM.

Hi-Mate works by collecting key data from sensors mounted to your equipment that track operation of the forklift, relaying that information to your computer or mobile device in real time. By monitoring key components, such as the engine, electric system, and hydraulics, Hi-Mate can help you evaluate machine and operator performance, create preventive maintenance programs, and help you minimize downtime as you maximize productivity.



**HiMATE**



Equipment operation management

Real-time monitoring and follow-up management of individual pieces of equipment or equipment fleet deliver essential operational status and information, including:

- Key-on time, travel hours, work hours, and GPS location



Equipment status management

Vital diagnostic and maintenance data is relayed as alerts, while Hi-Mate Premium provides tracking of pre-shift checklists to help reduce downtime and ensure OSHA compliance:

- Alerts are sent for DTCs, system warning, and required maintenance



Safe traveling control

An impact monitor provides alerts, accountability, and follow-up management of safety incidents involving equipment during operation:

- The system logs the number and severity of impacts as well as the operator who was logged into the unit at the time of the incident

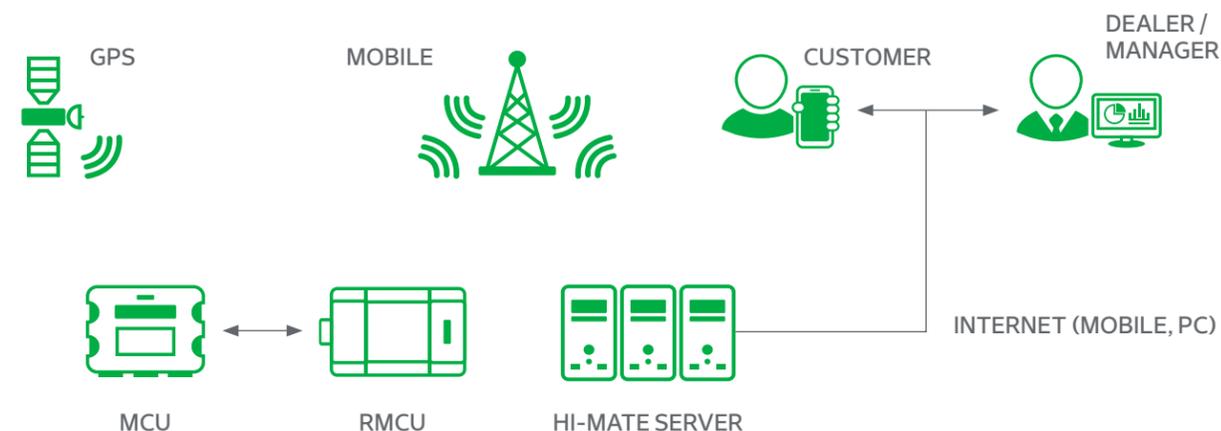


Human resource management

Hi-Mate Premium can control who operates equipment via a pin pad and RFID reader:

- Provided information can be used to evaluate productivity, efficiency, and workforce safety
- Tracking the weight load indicator captures operator productivity

## Data Flow



## 25/30/35BH-9 Series Options

### Fork (in)

#### 25BH-9

- 39.4    • 41.3    • 47.2
- 53.2    • 59.1    • 65

#### 30/35BH-9

- 41.3    • 47.2    • 65    • 70.9
- 77.6    • 83.5    • 90.6    • 94.5

### Mast Attachment

- Integral Side Shift
- Fork Positioner
- Integral Fork Positioner with Shift

### Tire

- Solid (std)
- Pneumatic
- Non-Marking

### Seat

- Armrest
- Heat

### Fingertip Control

Cold Storage (for -30° cold working environments)

### M.C.V.

- 2-Spool (std)
- 3-Spool
- 4-Spool

### Auto Fork Leveling System

### Beacon Lamp

### Weight Indicator

### Rear Work lamp

### OPSS (mast)

### UL

- ES
- EE

### Cabin with Heater

### Direction Switch on Lever

### Full LED Lamp



## THE 25/30/35BH-9 COMES WITH OUR BEST-IN-CLASS WARRANTY

When you build better equipment, you can back them better. That's why Hyundai forklifts come with a 3-year, 4,000-hour warranty that sets a new standard for overall lowest cost of ownership.

**NO ONE  
DELIVERS MORE**



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