

Hyundai 9 series LPG forklift

25·30L-9A
35LN-9A



Some of the photos may include optional equipment.

Your satisfaction is our priority!

New LPG Forklift with Proven Quality and Advanced Technology

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

The newly designed 4 wheel counterbalance trucks provide every operator comfortable driving, increased productivity and easy maintenance.

High Efficiency

- Tier 4, High power engine : HMC L4KB (60PS/44.1kW)
- Reduce inching impact : Clutch protection system
- Wet disc brake

Advanced Safety

- Auto parking brake system
- Hill Start Assist Control
- Operator Presence Sensing System
- Machine inclination indication

Best Convenience

- 5.6 inch LCD color monitor
- Auto fork leveling system (OPT)
- Load weight indicator (OPT)
- 4 pieces bolt on cabin (OPT)

Easy Maintenance

- Password starting system
- Consumable item replacement cycle warning
- Rear tire cover & under cover (OPT)



Power & Performance

High Efficiency & Optimal Performance

Powerful engine and high technology systems provide you with enhanced performance and highest productivity.



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Powerful Engine HMC L4KB(2.4L) Engine

Market approved quality of HMC L4KB engine ensures incomparable performance, durability and additional value to the machine. Powerful and efficient engine provides excellent fuel consumption and excellent torque. (EPA/CARB Tier-IV Certified)

HMC L4KB(2.4L) Engine
44.1kW/2,300rpm



Oil cooled disc brake

The wet brakes with excellent braking power and durability offer a stable and reliable braking power. Also, an oil cooler has been added to improve durability in working environments where the frequency of brake operation is high.



Highly durable drive axle

The strengthened drive axle separable from transmission ensures low vibration and easy maintenance. The wet disc type brake is applied for easy operation, smooth response and maintenance free.



Clutch protection system

The warning lamp comes up when the operator uses half clutch and accelerator at the same time.



Fully hydrostatic power steering

The hydraulic steering system always guarantees smooth and flexible steering, preventing over-run and kick-back.

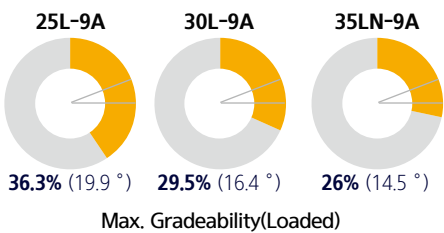


Boosting type brake valve (OPT)

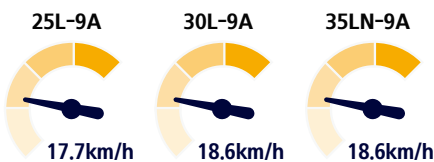
The boosting type brake valve is applied for strong braking performance.

Faster Travel Speed & Gradeability

The powerful high-output engine provides greater acceleration, better gradeability and faster travel speed on any tough terrain or slope.



Max. Gradeability(Loaded)



Max. Travel Speed(Unloaded)

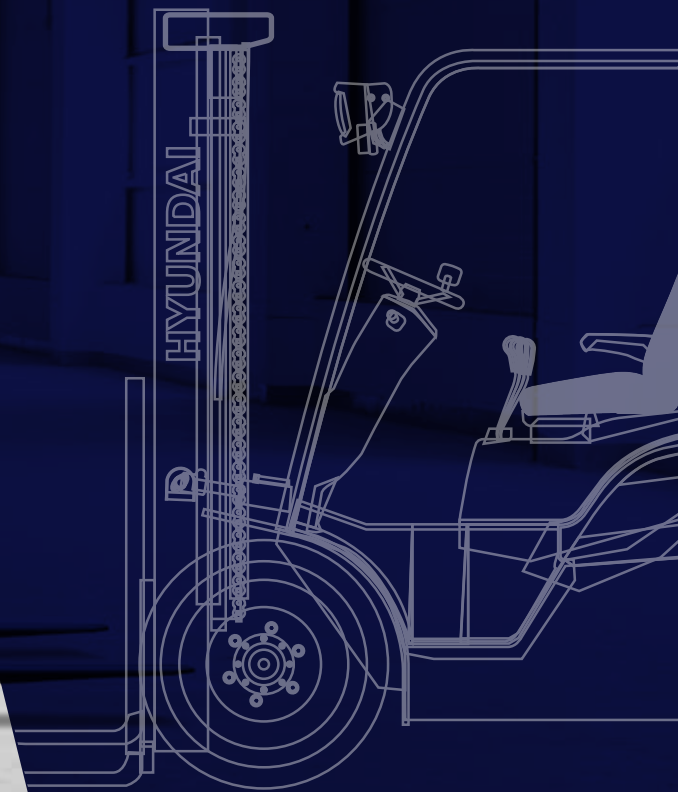
Easy & Comfort

Best Convenience & Optimized Ergonomics

An efficient, comfortable workspace and compact design provides enhanced performance and outstanding productivity.



Some of the photos may include optional equipment.



Spacious Operator Cabin

The newly designed cabin provides wide visibility and spacious environment, ensuring all day comfort for the operator.



Some of the photos may include optional equipment.



Grammer Seat (STD)

Easily adjustable suspension seat, based on a human engineering design, reduces operator fatigue and provides greater comfort.

- ELR(Emergency Locking Retractor) type seat belt as a standard
- Heating(STD) and head rest(OPT)

Advanced LCD Monitor

The 5.6 inch wide screen LCD color monitor allows the operator to control the machine with ease. The monitor features speed, travel direction, battery discharge indicator and hour meter.



Main monitoring features

- Load weight indicator (OPT)
- Machine inclination (Warning-Red)
- Signal / Warning light
- Gear (F / N / R)
- Speedometer
- Mast tilting degree (Alarm-Red)
- Engine temperature gauge (Warning-Red)

1 Load Indicator (OPT)

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

2 Auto Fork Leveling System (OPT)

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

3 Machine inclination indication

The grade (left) and slope (right) sensors are built into the MCU and provide the grade and slope status information of the vehicle connected with the road surface condition in real time.



Optimized pedal position

On the 9-series the pedals are mounted to the console to reduce operator fatigue, and noise and dust from the engine compartment.



Adjustable steering Wheel

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



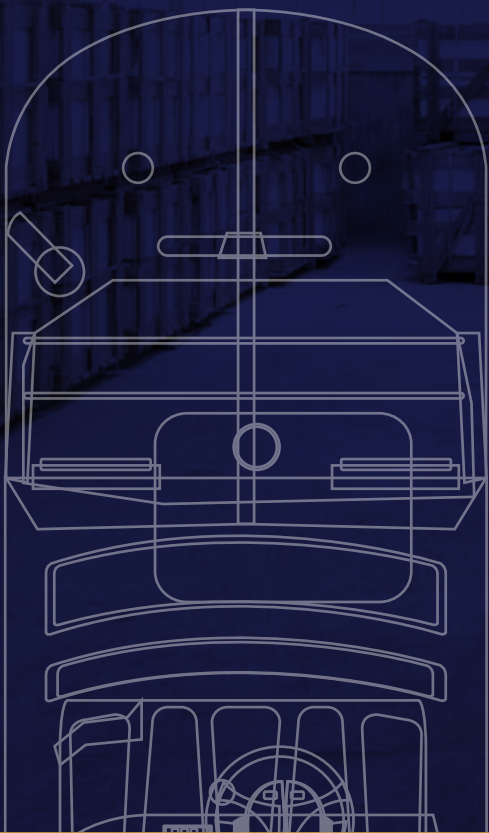
fingertip

Ergonomically designed fingertip control levers eliminates reaches and awkward shoulder. It gives operators comfortability and efficiency.

Secure & Safety

Excellent visibility Advanced Safety

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



EXCELLENT VISIBILITY

ADVANCED SAFETY

Some of the photos may include optional equipment.

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.



Safety lamps & rear reflectors

Halogen headlights and rear LED combination lights offer the driver visibility in all circumstances. Rear reflectors mounted on the counterweight enhance safety for the driver and the application.
*Full LED lamp are available. (OPT)

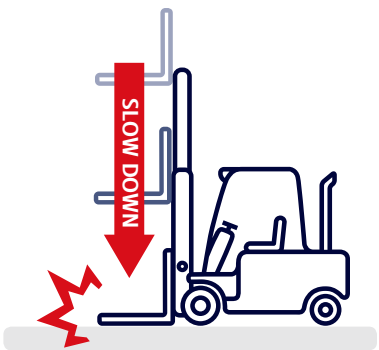


Low entrance height

The low entrance height ensures easy and safe access for the operator.

Various Safety System

The adoption of a high-sensitivity sensor and advanced safety system eliminates the risk of accidents.



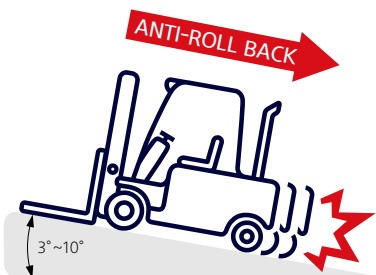
Fork Safety Features

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



Strong overhead guard

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



Hill Start Assist Control (HAC)

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



Operator Presence Sensing System

All mast and drive movements stop functioning when the operator is not in the seat.



Auto parking brake

If the operator leaves the seat while the gear lever is in neutral, the parking brake is automatically engaged to secure safety, and released upon the operator's return to the seat.

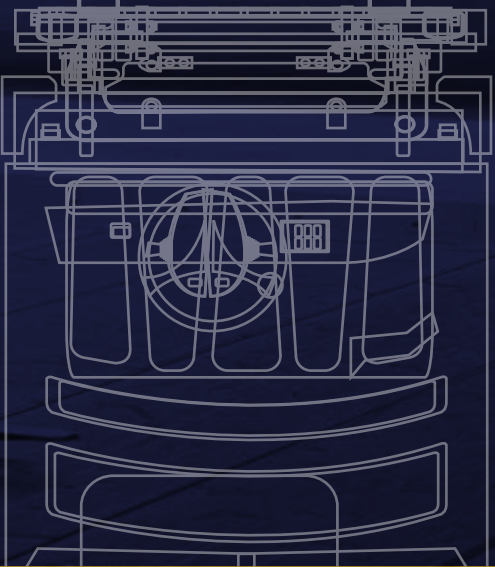


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Maintenance & Convenience

Easy maintenance Various convenience devices

Ideal design for daily inspection and maintenance.
High-quality convenience devices for operator
Operator can work in the best conditions
in any environment.



Large Engine Hood

Highly accessible engine compartment assures fast and efficient maintenance. The enlarged air cleaner(7") has extended service time of engine.



*Some of the photos may include optional equipment.



Waterproof & Dustproof cover

Newly developed Waterproof and Dustproof fuse box and relay box for ease of maintenance.



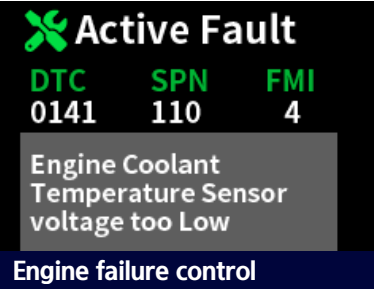
Rear tire & Under cover (OPT)

The rear tire cover and under cover with PE material protect the engine, radiator, and components from dusts caused by ground. Also, these options can be selected separately.



Password starting system

By granting the operation authority only to the designated driver, it is possible to manage the vehicle and prevent theft.



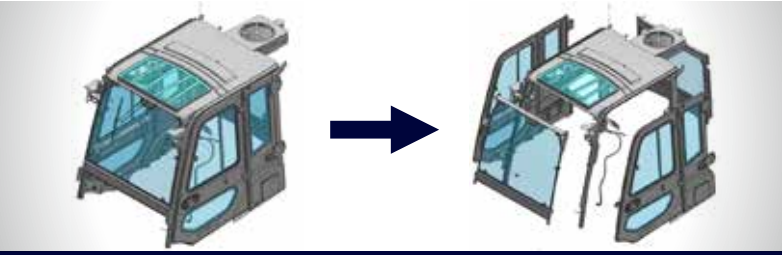
Engine failure control

It is possible to check the engine's failure code. Which is recorded and stored by ECU on the cluster screen without any additional tool to ensure rapid and precise services



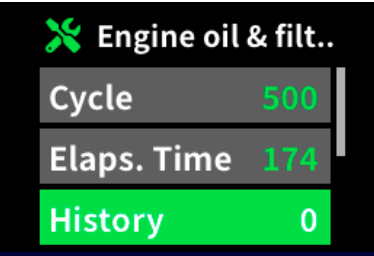
Parking brake switch (STD) & Emergency switch (OPT)

A button-type switches enables to notify of emergency situations quickly and operate easily.



Bolt on type cabin

The bolt on type cabin consists of front side, door front, door rear, and rear side. It is easy to assemble by bolt and mount parts. Also, cabin can be selected by module or parts and air conditioner and heater are separately available for driver's convenience.



Consumable item replacement cycle warning

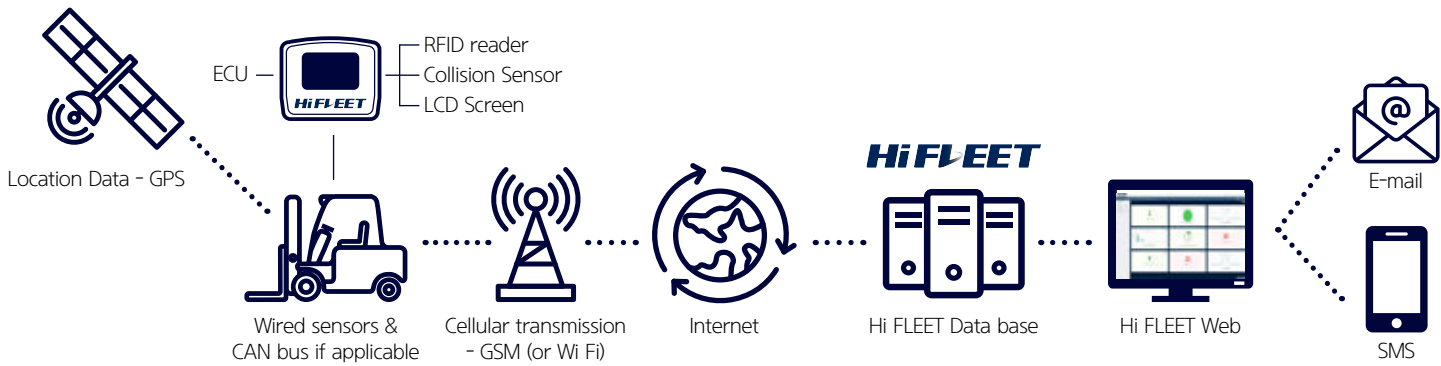
This indicator automatically alerts the operator of the replacement cycle of key consumable items before a failure occurs; making managing maintenance easy, and to help extend the life of the machine.

Fleet Management System(Hi FLEET)(OPT)

Hi FLEET, Hyundai material handling’s fleet management system, is the optimal operation solution for a fleet of forklifts. It connects driver and vehicle in real time.



You can see the video by scanning the QR code.



DRIVER MANAGEMENT

It is possible to certify drivers and manage their work through RFID, PIN password.

VEHICLE MANAGEMENT

You can check the operating time, battery status, and location information in real time.

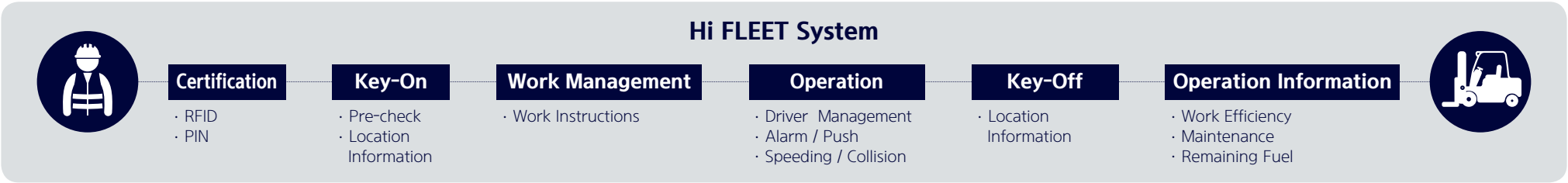


SAFETY MANAGEMENT

You can check the driver's conditions and vehicle status before starting work and manage the speed and collision.

MAINTENANCE

You can keep your vehicles in optimal condition by notifying the vehicle's maintenance interval and fault codes.



New 9 Series Mast Specification

25/30L-9A
35LN-9A

25L-9A																							
Mast Type		Maximum Fork Height		Overall Height (Lowered)		Free Lift Height				Tilt Angle		Load Capacity without side shift				Load Capacity with side shift				TRUCK WEIGHT (UNLOADED)			
						With Load Backrest		Without Load Backrest				Single Tire		Double Tire		Single Tire		Double Tire					
		in	mm	in	mm	in	mm	in	mm	deg	deg	24 in LC	500mm LC	24 in LC	500mm LC	24 in LC	500mm LC	24 in LC	500mm LC	lb	kg	lb	kg
2-STAGE LIMITED FREE LIFT	V300	118	3,005	80	2,025	5	155	5	155	6	10	5,000	2,500	5,000	2,500	5,000	2,500	5,000	2,500	8,161	3,702	8,488	3,850
	*V330	130	3,305	86	2,175	5	155	5	155	6	10	5,000	2,500	5,000	2,500	5,000	2,500	5,000	2,500	8,203	3,721	8,532	3,870
	V350	138	3,505	90	2,275	5	155	5	155	6	10	5,000	2,500	5,000	2,500	5,000	2,500	5,000	2,500	8,241	3,738	8,569	3,887
	V370	146	3,705	96	2,425	5	155	5	155	6	10	5,000	2,500	5,000	2,500	5,000	2,460	5,000	2,500	8,267	3,750	8,598	3,900
	V400	158	4,005	101	2,575	5	155	5	155	6	10	5,000	2,500	5,000	2,500	5,000	2,380	5,000	2,500	8,355	3,790	8,684	3,939
	V450	177	4,505	113	2,875	5	155	5	155	6	6	5,000	2,430	5,000	2,500	4,870	2,310	5,000	2,460	8,519	3,864	8,847	4,013
2-STAGE FULL FREE LIFT	VF325 / VS325	129	3,276	85	2,175	39	995	60	1,527	6	6	5,000	2,500	5,000	2,500	5,000	2,460	5,000	2,500	8,278	3,755	8,618	3,909
3-STAGE FULL FREE LIFT	TF430/TS430	170	4,305	80	2,025	33	845	54	1,377	6	6	5,000	2,440	5,000	2,500	5,000	2,320	5,000	2,460	8,496	3,854	8,836	4,008
	TF450/TS450	177	4,505	84	2,125	37	945	58	1,477	6	6	5,000	2,410	5,000	2,500	4,850	2,290	5,000	2,380	8,545	3,876	8,884	4,030
	TF470/TS470	185	4,705	86	2,175	39	995	60	1,527	6	6	4,920	2,360	5,000	2,450	4,700	2,240	4,860	2,330	8,576	3,890	8,913	4,043
	TF500/TS500	197	5,005	90	2,275	43	1,095	64	1,627	6	6	4,810	2,310	4,940	2,400	4,590	2,190	4,720	2,280	8,624	3,912	8,962	4,065
	TF550/TS550	217	5,505	97	2,475	51	1,295	72	1,827	6	6	3,240	1,550	4,780	2,310	3,020	1,430	4,560	2,190	8,710	3,951	9,048	4,104
	TF600/TS600	236	6,005	105	2,675	59	1,495	80	2,027	6	6	2,930	1,400	4,590	2,210	2,710	1,280	4,370	2,090	8,854	4,016	9,191	4,169
	TF650	256	6,505	113	2,875	67	1,695	88	2,227	3	3	2,840	1,350	4,540	2,180	2,620	1,230	4,320	2,060	8,955	4,062	9,295	4,216
	TF700	276	7,005	121	3,075	75	1,895	96	2,427	3	3	2,430	1,150	4,370	2,100	2,210	1,050	4,150	1,980	9,039	4,100	9,378	4,254
4-STAGE FULL FREE LIFT	QF610	241	6,115	85	2,160	39	980	60	1,512	3	3	3200	1,600	4,240	2,120	2,940	1,470	4,000	2,000	9,387	4,258	9,771	4,432
	QF700	276	7,015	97	2,460	50	1,280	71	1,812	3	3	2200	1,100	3,960	1,980	2,000	1,000	3,720	1,860	9,586	4,348	9,969	4,522

※ : Standard

30L-9A

Mast Type		Maximum Fork Height		Overall Height (Lowered)		Free Lift Height				Tilt Angle		Load Capacity without side shift				Load Capacity with side shift				TRUCK WEIGHT (UNLOADED)			
												Single Tire		Double Tire		Single Tire		Double Tire					
						With Load Backrest		Without Load Backrest		Fwd	Bwd	24 in LC	500mm LC	24 in LC	500mm LC	24 in LC	500mm LC	24 in LC	500mm LC	Single Tire		Double Tire	
		in	mm	in	mm	in	mm	in	mm	deg	deg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
2-STAGE LIMITED FREE LIFT	V300	118	3,005	80	2,040	5	155	5	155	6	10	6,000	3,000	6,000	3,000	6,000	3,000	6,000	3,000	9,030	4,096	9,303	4,220
	*V330	130	3,305	86	2,190	5	155	5	155	6	10	6,000	3,000	6,000	3,000	6,000	3,000	6,000	3,000	9,074	4,116	9,347	4,240
	V350	138	3,505	90	2,290	5	155	5	155	6	10	6,000	3,000	6,000	3,000	6,000	3,000	6,000	3,000	9,114	4,134	9,387	4,258
	V370	146	3,705	96	2,440	5	155	5	155	6	10	6,000	3,000	6,000	3,000	6,000	2,930	6,000	3,000	9,142	4,147	9,416	4,271
	V400	158	4,005	102	2,590	5	155	5	155	6	6	6,000	3,000	6,000	3,000	6,000	2,820	6,000	3,000	9,231	4,187	9,506	4,312
	V450	177	4,505	114	2,890	5	155	5	155	6	6	6,000	2,920	6,000	3,000	5,800	2,740	6,000	2,820	9,398	4,263	9,672	4,387
2-STAGE FULL FREE LIFT	VF325 / VS325	129	3,276	85	2,190	39	1,010	60	1,464	6	6	6,000	3,000	6,000	3,000	6,000	2,950	6,000	3,000	9,250	4,196	9,522	4,319
3-STAGE FULL FREE LIFT	TF430/TS430	170	4,305	80	2,040	34	860	52	1,314	6	6	6,000	2,930	6,000	3,000	5,810	2,750	6,000	2,820	9,517	4,317	9,786	4,439
	TF450/TS450	177	4,505	84	2,140	38	960	56	1,414	6	6	5,930	2,880	6,000	2,940	5,630	2,700	5,830	2,760	9,572	4,342	9,843	4,465
	TF470/TS470	185	4,705	86	2,190	40	1,010	58	1,464	6	6	5,890	2,850	5,970	2,900	5,590	2,670	5,670	2,720	9,603	4,356	9,874	4,479
	TF500/TS500	197	5,005	90	2,290	44	1,110	62	1,564	6	6	5,730	2,700	5,840	2,840	5,430	2,180	5,540	2,660	9,654	4,379	9,923	4,501
	TF550/TS550	217	5,505	98	2,490	52	1,310	69	1,764	6	6	3,660	1,750	5,640	2,720	3,360	1,590	5,340	2,540	9,751	4,423	10,020	4,545
	TF600/TS600	236	6,005	106	2,690	59	1,510	77	1,964	6	3	3,020	1,450	5,450	2,630	2,720	1,310	5,150	2,450	9,905	4,493	10,174	4,615
	TF650	256	6,505	114	2,890	67	1,710	85	2,164	3	3	2,930	1,400	5,380	2,590	2,630	1,270	5,080	2,410	10,018	4,544	10,287	4,666
	TF700	276	7,005	122	3,090	75	1,910	93	2,364	3	3	2,540	1,200	5,200	2,500	2,240	1,080	4,900	2,320	10,112	4,587	10,384	4,710
4-STAGE FULL FREE LIFT	QF610	241	6,115	86	2,175	39	995	57	1,449	3	3	3,400	1,700	5,120	2,560	3,100	1,550	4,760	2,380	10,317	4,680	10,628	4,821
	QF700	276	7,015	97	2,475	51	1,295	69	1,749	3	3	2,400	1,200	4,800	2,400	2,160	1,080	4,440	2,220	10,516	4,770	10,827	4,911

※ : Standard

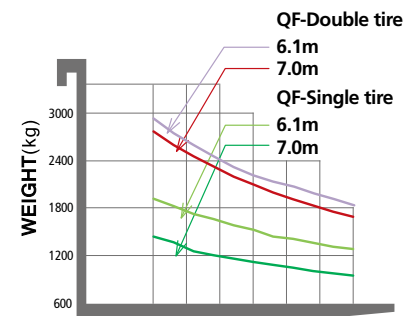
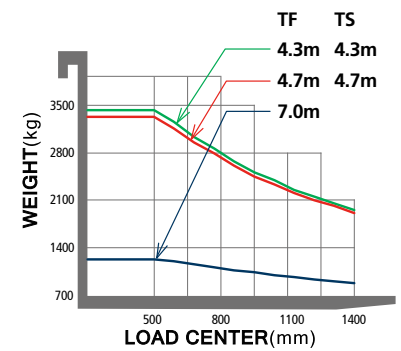
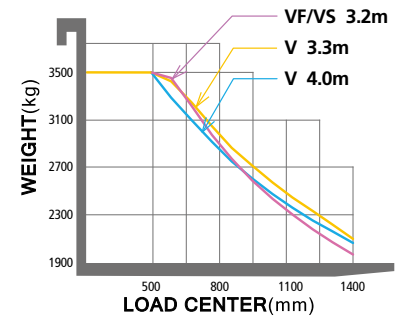
35LN-9A

Mast Type		Maximum Fork Height		Overall Height (Lowered)		Free Lift Height				Tilt Angle		Load Capacity without side shift				Load Capacity with side shift				TRUCK WEIGHT (UNLOADED)			
												Single Tire		Double Tire		Single Tire		Double Tire					
		With Load Backrest		Without Load Backrest		Fwd	Bwd	24 in LC	500mm LC	24 in LC	500mm LC	24 in LC	500mm LC	24 in LC	500mm LC	Single Tire		Double Tire					
		in	mm	in	mm	in	mm	in	mm	deg	deg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
2-STAGE LIMITED FREE LIFT	V300	118	3,005	83	2,110	5	155	5	155	6	10	7,000	3,500	7,000	3,500	7,000	3,500	7,000	3,500	9,946	4,511	10,129	4,594
	*V330	130	3,305	89	2,260	5	155	5	155	6	10	7,000	3,500	7,000	3,500	7,000	3,500	7,000	3,500	9,998	4,535	10,181	4,618
	V350	138	3,505	93	2,360	5	155	5	155	6	10	7,000	3,500	7,000	3,500	7,000	3,440	7,000	3,500	10,033	4,551	10,216	4,634
	V370	146	3,705	99	2,510	5	155	5	155	6	10	7,000	3,500	7,000	3,500	6,890	3,390	7,000	3,460	10,085	4,575	10,268	4,658
	V400	158	4,005	105	2,660	5	155	5	155	6	10	7,000	3,500	7,000	3,500	6,730	3,310	6,860	3,380	10,156	4,607	10,339	4,690
	V450	177	4,505	117	2,960	5	155	5	155	6	6	6,850	3,370	7,000	3,470	6,470	3,180	6,620	3,250	10,326	4,684	10,509	4,767
2-STAGE FULL FREE LIFT	VF325 / VS325	129	3,276	89	2,260	42	1,080	60	1,534	6	6	7,000	3,500	7,000	3,500	7,000	3,460	7,000	3,500	10,207	4,630	10,383	4,710
3-STAGE FULL FREE LIFT	TF430/TS430	170	4,305	83	2,110	37	930	52	1,314	6	6	6,820	3,360	7,000	3,460	6,460	3,170	6,600	3,250	10,538	4,780	10,714	4,860
	TF450/TS450	177	4,505	87	2,210	41	1,030	56	1,414	6	6	6,710	3,310	6,890	3,410	6,380	3,120	6,510	3,200	10,586	4,802	10,762	4,882
	TF470/TS470	185	4,705	89	2,260	43	1,080	58	1,464	6	6	6,620	3,260	6,800	3,360	6,290	3,080	6,420	3,160	10,615	4,815	10,792	4,895
	TF500/TS500	197	5,005	93	2,360	47	1,180	62	1,564	6	6	6,490	3,190	6,670	3,290	6,160	3,010	6,290	3,090	10,665	4,838	10,842	4,918
	TF550/TS550	217	5,505	101	2,560	54	1,380	69	1,764	6	6	4,820	2,340	6,450	3,170	4,490	2,190	6,070	2,980	10,762	4,882	10,938	4,962
	TF600/TS600	236	6,005	109	2,760	62	1,580	77	1,964	6	6	3,100	1,500	6,230	3,060	2,810	1,360	5,870	2,870	10,921	4,954	11,098	5,034
	TF650	256	6,505	117	2,960	70	1,780	85	2,164	3	3	2,860	1,380	6,000	2,950	2,570	1,250	5,670	2,770	11,029	5,003	11,205	5,083
	TF700	276	7,005	124	3,160	78	1,980	93	2,364	3	3	2,570	1,240	5,800	2,850	2,280	1,120	5,500	2,680	11,118	5,043	11,294	5,123
4-STAGE FULL FREE LIFT	QF610	241	6,115	88	2,225	41	1,045	57	1,449	3	3	3,800	1,900	5,900	2,950	3,480	1,740	5,540	2,770	11,200	5,080	11,388	5,165
	QF700	276	7,015	99	2,525	53	1,345	69	1,749	3	3	2,800	1,400	5,560	2,780	2,540	1,270	5,200	2,600	11,398	5,170	11,586	5,256

※ : Standard

25/30L-9A
35LN-9A

35LN-9A



Technical drawing of a vehicle chassis (Fig. 1). The drawing shows a top-down view of the chassis with various dimensions labeled. The width of the chassis is indicated by b_1 and b_3 . The distance between the two main vertical supports is labeled e . The total height of the chassis is labeled A_{st} . The distance from the center of the chassis to the right side is labeled M_{10} . The chassis is shown with a yellow lower section and a black upper section. The drawing includes a scale bar at the bottom left indicating a length of 1 unit.

16 17

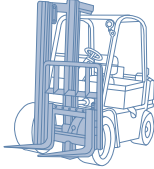
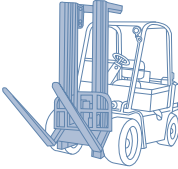
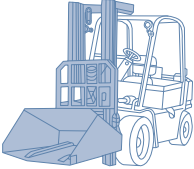
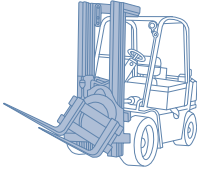
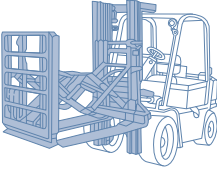
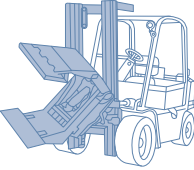
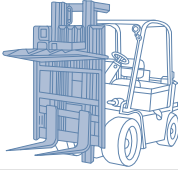
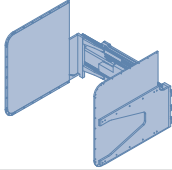
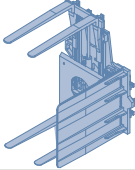
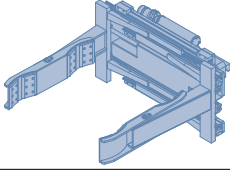
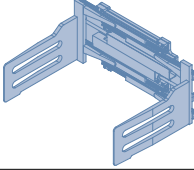
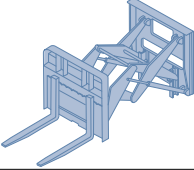
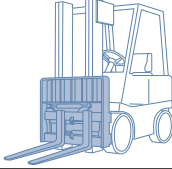
New 9 Series

25/30L-9A
35LN-9A

Optional Items

- Fork(mm)
25L-9A : 900/1,000/1,050(STD)/1,200/1,350/1,500/1,650/1,800/2,100
30L-9A, 35LN-9A : 900/1,050(STD)/1,150/1,200/1,650/1,800/1,970 /2,120/2,300/2,400
- Integral Sideshift, Fork Positioner, Sideshift, Integral Fork Positioner with Sideshift
- Tire : Solid(superelastic) / Non-marking / Front double tire
- M.C.V : 4-Spool
- Seat : Armrest, Heat, Backrest Ext, Buckle SW
- Load Weight Indicator
- Auto Fork Leveling System
- Rear View Camera
- Cabin(Heater, A/C)
- Hydraulic Pump Temperature / Pressure Indication
- Battery Disconnect Switch(Master Switch)
- Beacon Lamp(LED) (Amber, Red, Blue)
- Rear work Lamp(Bulb or LED)
- F-N-R & Horn Knob switch
- Rear Horn with Handle
- Finger Tip Control Lever
- Full LED Lamp

Attachments

Side shift	Hinged fork	Hinged bucket
		
Rotating fork	Push pull	Rotating roll clamp
		
Load stabilizer	Carton clamp	Pallet inverter
		
Drum clamp	Veil clamp	Load extender
		
Fork positioner		
		

* All specifications and photos in this catalog are subject to change for quality improvement.

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