

HYUNDAI
MATERIAL HANDLING
NO ONE DELIVERS MORE

35D/45D 50DN-9VB

8,000-11,000 lbs. Capacity Diesel Forklift



The New Eco-Friendly, Cost-Effective 9VB Series

The 9VB fully meets Tier 4 final regulations and delivers optimum fuel efficiency. It offers a low total cost of ownership and with its compact frame and outstanding performance can handle a wide array of challenging applications.

50DN-9VB

PRODUCT FEATURES OVERVIEW

UP VALUE

The 9VB raises the level of performance to meet your growing needs.

■ Optimized hydraulic system and increased engine performance

4%↑

Higher fuel-efficiency than 45D-9F Series

■ HDI Engine & HDX transmission and drive axle

15%↑

Top travel speed up 15%,
Gradeability up 20% from 45D-9F Series

Eco-friendly Engine

- Hyundai HDI DN03 engine delivers powerful performance and meets all Tier 4 final regulationse

Innovative Cost-effectiveness and Reliable Durability

- Revolutionary total cost of ownership savings:
 - Improved fuel efficiency by 4%, operational efficiency by 10%
 - Driving speed by 15%, and climbing ability by 20%
- Transmission & drive axle were designed for heavy-duty applications
- Increased axle oil capacity by 2.5 liters & applied wet disc brake & axle oil cooler
- Extended wheelbase – improves driving comfort & extends continuous operation time (4.5/5.0 tons)
- Engine performance up/down system

Enhanced Safety

- Auto-parking brake system
- HAC (Hill Start Assist Control)
- OPSS – travel, lift, and tilt lock
- Seatbelt interlock – forced seatbelt wearing **Option**
- Engine start limit – password function
- Newly equipped T/M with TCU control **Option**
- Equipment angle warning (STD) and overload alarm **Option**

Outstanding Ergonomics

- New digital-type cluster with MCU function
- Ergonomic pedal
 - Hanging-type brake and inching pedal
- Improved steering quality
 - Reduced operating force & jamming reduced during reverse rotation
- New air conditioner with enhanced air flow **Option**
- New heater with defrost function **Option**

Easy Service

- Tool-less type floorplate & side cover
- Additional features of the cluster with MCU
 - Engine failure diagnosis and history check
 - Management of consumable replacement cycle
- Remote management system – Hi-MATE **Option**
- Muffler maintenance without weight disassembly
- Waterproof and dustproof fuse & relay box
- Horizontally placed MCV with an embedded emergency lowering screw



35D/45D/50DN-9VB

Eco-friendly Hyundai DN03 Engine

The high performance HDI DN03 engine delivers high torque at low RPMs while meeting all Tier 4 final emission regulations.

- * Germany's BOSCH Fuel system : common rail & ECU
- * Timing chain : superb durability
- * HLA system : Valve clearance check is not required
- * Fan belt auto-tensioner



Rated Output(hp/rpm)	75.8/2,300
Max Torque (lb.ft/rpm)	243/1,400
Aftertreatment	DOC

Innovative Reduction of Operating Expenses

Fuel efficiency is improved compared with DN03 by using an optimized engine and applying a load sensing hydraulic system.



Load sensing system & New engine performance

- Fuel economy is based on our internal tests (VDI 2198) and may be different from actual operation.

Engine Performance Up/Down

Drivers can select engine power according to their work environment conveniently with the STD/PWD button located on the dashboard. In addition, operators can save over 4% more in fuel costs when selecting the STD mode.



ENVIRONMENTALLY FRIENDLY
GREAT PRODUCTIVITY, DURABILITY

UP
PERFORMANCE

Eco-friendly engine and powertrain deliver significantly increased performance and durability.

HDX Drive Axle

The drive axle, designed with an emphasis on durability, features an automatic parking brake to prevent human error and a wet disk brake with semi-permanent lifespan. Additionally, an oil cooler has been added to maintain braking performance in applications with frequent brake usage.



HDX Transmission (F2/R1)

The transmission is designed with an expanded clutch pack capacity and oil volume compared to the old model, making it suitable for high-load applications. Optional TCU transmission option allows you to create customized driving characteristics.



Increased Wheelbase – 4.5/5.0 Ton

Increasing the wheelbase by 3.9 inches improves driving comfort over rough terrain and enhances the durability of the steer axle group while extending the lifespan of the steer tires. Additionally, the fuel tank and hydraulic tank capacities have been increased by 6–17%, improving continuous operation capability.

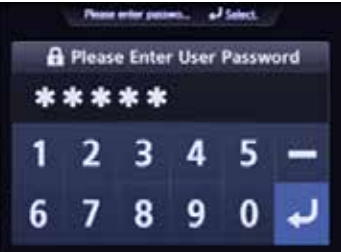


4.5/5.0 ton : 82.74 in

35D/45D/50DN-9VB

Password–Start Limit

A password can be set to prevent unauthorized driving or theft of the forklift. Once set, the engine cannot be started without the password.



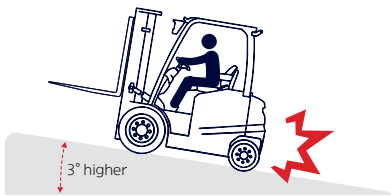
Auto-parking Brake

When the engine stops or OPSS starts, the parking brake is automatically activated to prevent human errors. If the driver needs to use the parking brake while the engine is running, the driver can apply/release the brake using a dedicated button.



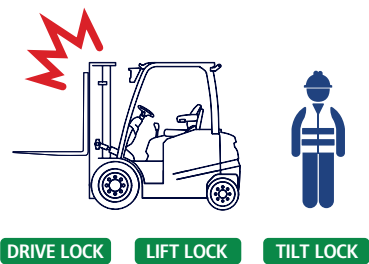
Hill Start Assist Control

When the forklift stops while climbing a sloped road, the automatic parking brake is temporarily applied to prevent the forklift from rolling back when moving again. This safety feature is very useful when transporting heavy cargo on a sloped road.



OPSS System

The OPSS restricts driving, lifting, and tilting when the operator leaves the driver's seat in order to prevent safety accidents.



Speed Limit

The maximum driving speed can be set to prevent accidents caused by exceeding the speed limit. Even though the maximum driving speed is set, hill-climbing ability and mast working performance are not compromised.



Road Slope Display (STD) and Overload Alarm Option

The road slope is sensed and displayed in real time. When the set value is exceeded, the symbol turns red, and a warning buzzer goes off. In addition, the optional load weight indicator warns if the maximum load weight is exceeded.



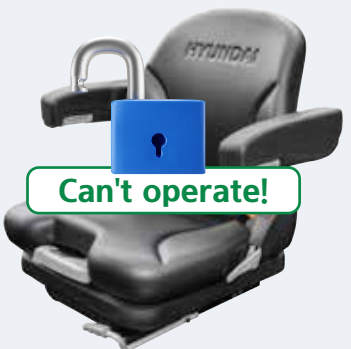
ENHANCED SAFETY

UP SAFETY

The 9VB Series puts the focus on safety for your operator and your entire operation.

Seatbelt Interlock – Forced Belt Wearing Option

The seatbelt interlock system restricts forklift operation if the seatbelt is not worn or if the operator releases the belt while driving to prevent injuries and accidents that could occur with an unfastened seatbelt.



35D/45D/50DN-9VB

Cabin Option

With wide view and easy-to-open/shut cabin doors, D-9VB's cabin provides a pleasant driving environment. Furthermore, its modularized design reduces maintenance costs.



A/C & Heater Option

- ① The air conditioner has four outlets to evenly distribute cool air throughout the cabin for maximum operator comfort. The outside and inside units are fully integrated to simplify servicing.
- ② The heater supplies warm air separately to the operator's upper and lower body while a discharge port removes moisture and frost.



Multifunctional Digital Display

The 9VB features a new cluster for improved visibility of key operating information, including real-time data, onboard diagnostics, data logging, safety features, maintenance tracking and more.



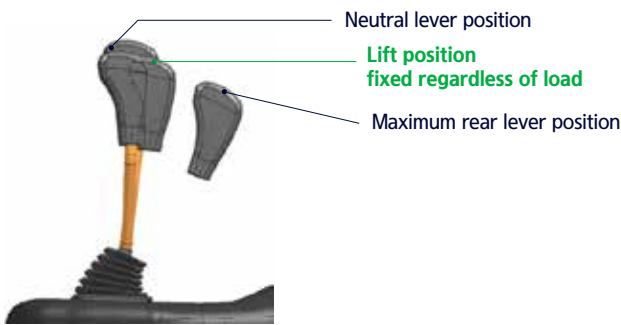
OUTSTANDING OPERABILITY ERGONOMICS

CONVENIENCE^{UP}

The 9VB takes operator efficiency to the next level with greater convenience and comfort.

Conveniently Designed MCV Lever

The load-sensing hydraulic control valve incorporates an independent load detection system that links the fork lifting height with lever operation, regardless of the weight of the lifted load.



Full Suspension Grammer™ Seat

The comfortable seat adjusts to the operator's body weight to reduce strain and fatigue and offers optional seatbelt switch, armrests, and heater.



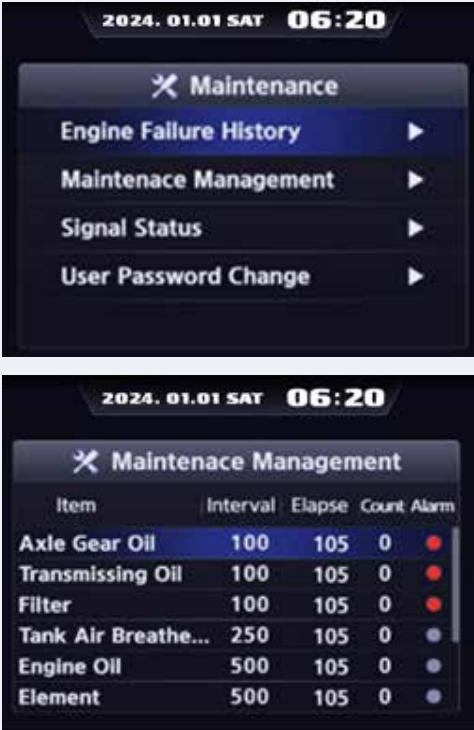
35D/45D/50DN-9VB

Larger Maintenance Space:

The large workspace provides fast, easy access to key components and consumable parts and includes an engine hood supported with two gas springs and a side cover and floorplate that can be removed without tools.

Self-diagnosis of Engine and Consumables Management

Faliure details and history can be checked on the cluster screen. In addition, when the replacement cycle of a consumable is entered into the cluster, parts due for replacement are displayed on the monitor.



Junction Box

Fuses and relays vulnerable to contamination are housed in a water- and dust-tight box located within the engine compartment to minimize maintenance related downtime..



Detachable Radiator Cover

The radiator sub-hood on top of the counterweight can be removed without tools and is separated from the main hood to reduce downtime when doing maintenance checks.



Exhaust Gas Aftertreatment System Maintenance

Behind the counterweight, exhaust gas aftertreatment system maintenance can be serviced without removing the heavy counterweight.



Hydraulic Control Valve

MCV, one of the major functional parts of the hydraulic system, is installed in a horizontal direction to allow the adjustment of hydraulic pressure and exchange of spool without opening the MCV assembly.



EASY SERVICE

UP
MAINTENANCE

Fast, easy maintenance cuts downtime and assures a low total cost of ownership.



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.

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.

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:

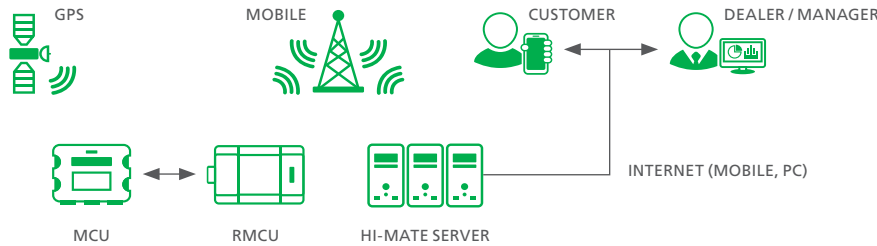
- The system logs the number and severity of impacts as well as the operator who was logged into the unit at the time of the incident

Human resource management

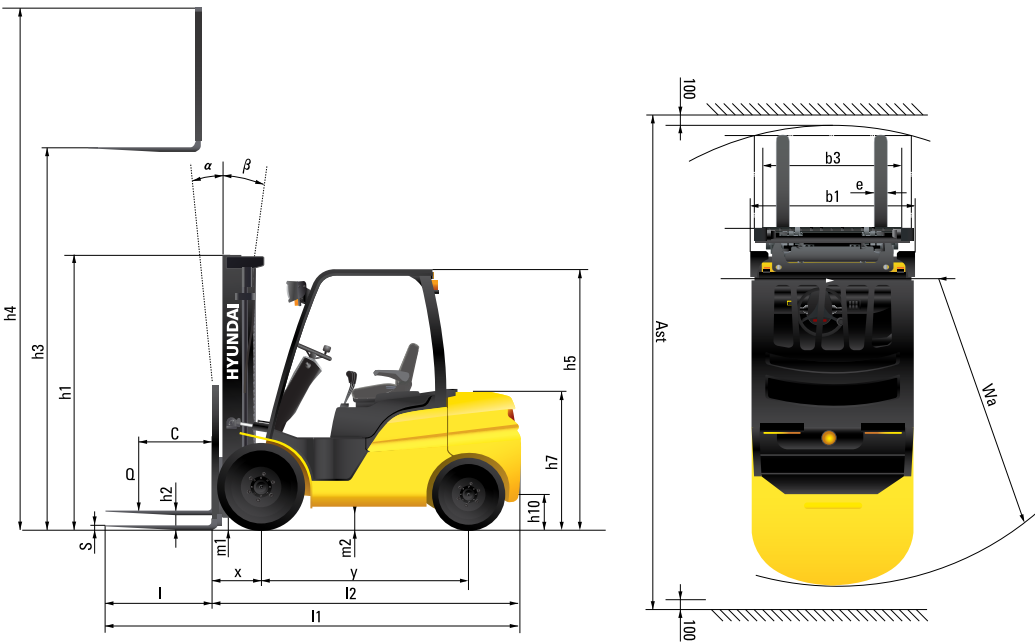
Hi-Mate Premium can control who operates equipment via a pin pad and RFID reader:

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

Data Flow



Dimensions



Specifications

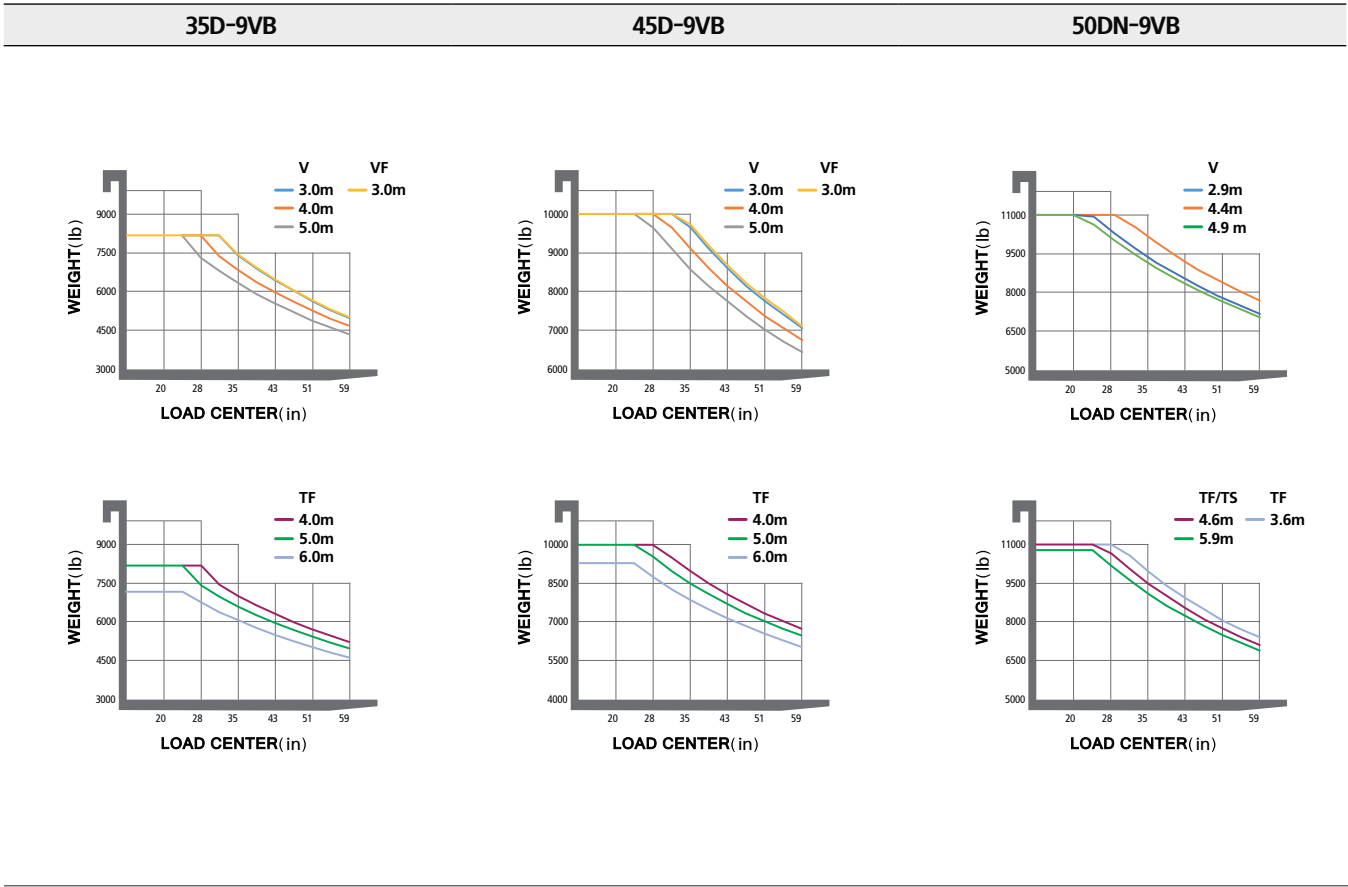
Identification				
	Manufacturer		Hyundai	
	Manufacturer's Type Designation		35D-9VB	45D-9VB 50DN-9VB
1.1	Drive: Electric (Battery or Mains), Diesel, Petrol, Fuel Gas, Manual		Diesel	Diesel Diesel
1.2	Type Of Operation : Hand, Pedestrian, Standing, Seated, Order-Picker		Seated	Seated Seated
1.3	Load Capacity / Rated Load	lb	8,000	10,000 11,000
1.4	Load Center Distance	c (in)	24	24 24
1.5	Load Distance, Center of Front Axle to Fork	x (in)	22.09	22.09 22.68
1.6	Wheelbase	y (in)	79.98	82.74 82.74
Weights				
2.1	Service Weight	lb	13,022	15,236 16,054
2.2	Axle Loading, Loaded Front/Rear	lb	18,166/2,572	21,929/3,227 23,688/3,388
2.3	Axle Loading, Unloaded Front/Rear	lb	6,038/6,984	6,523/8,712 6,492/9,561
Wheels, Chassis				
3.1	Tires : Solid Rubber (V), Superelastic (SE), Pneumatic (P), Polyurethane (PE)		P	P P
3.2	Tires Size, Front		8.25-15-14PR	7.50-16-12PR 7.50-16-12PR
3.3	Tires Size, Rear		7.00-12-14PR	7.00-12-14PR 7.00-12-14PR
3.5	Wheels, Number Front Rear (x=Driven Wheels)		2x2	4x2 4x2
3.6	Track Width, Front	in	44.6	50.5 50.5
3.7	Track Width, Rear	in	44.9	44.9 44.9
Basic Dimensions				
4.1	Mast/Fork Carriage Tilt Forward/Backward	degrees	8/10	8/10 8/10
4.2	Lowered Mast Height	h1 (in)	88.0	87.4 87.4
4.3	Free Lift	h2 (in)	4.72	4.72 4.72
4.4	Lift Height	h3 (in)	118.9	118.9 118.9
4.5	Extended Mast Height	h4 (in)	166.69	166.69 166.69
4.7	Overhead Load Guard (Cab) Height	h5 (in)	93.3	92.91 92.91
4.8	Seat Height/Standing Height (SIP)	h7 (in)	51.80	51.35 51.35
4.12	Coupling Height	h10 (in)	14.66	14.18 14.18
4.19	Overall Length	l1 (in)	166.23	177.46 177.46
4.20	Length to Face of Forks	l2 (in)	124.07	129.29 129.29
4.21	Overall Width	b1 (in)	53.9	68.7 68.7
4.22	Fork Dimensions (H x W x L)	H x W x L (in)	1.9 x 4.8 x 42.0	1.9 x 5.9 x 48 1.9 x 5.9 x 48
4.23	Fork Carriage ISO 2328, Class/Type A,B		III / A	III / A III / A
4.24	Fork-Carriage Width(with backrest)	b3 (in)	51.18	62.99 62.99
4.31	Ground Clearance, Under Mast	m1 (in)	6.69	6.1 6.1
4.32	Ground Clearance, Center of Wheelbase	m2 (in)	7.95	7.48 7.48
4.34.1	Aisle Width for Pallets 39.3 x 47.2 Crossways	Ast (in)	183.3	188.9 188.9
4.34.2	Aisle Width for Pallets 31.5 x 47.2 Lengthways	Ast (in)	191.2	196.8 196.8
4.35	Turning Radius	Wa (in)	114.0	119.6 119.6
Performance				
5.1	Travel Speed, Loaded/Unloaded	mph	17.5/18.9	17.2/18.3 17.2/18.3
5.2	Lift Speed, Loaded/Unloaded	ft/min	102/106	100/106 100/106
5.3	Lowering Speed, Loaded/Unloaded	ft/min	108/108	108/108 108/108
5.6	Max. Drawbar Pull, Loaded/Unloaded	lb	9,311/8,856	9,305/9,067 9,317/9,047
5.8	Max. Gradeability, Loaded/Unloaded	%	46.4/20.5	36.9/18.1 36.9/18.1
5.10	Service Brake		Hydraulic	Hydraulic Hydraulic
Engine				
7.1	Engine Manufacturer/Type		HDI DN03	HDI DN03 HDI DN03
7.2	Engine Power Acc. to ISO 1585	hp/rpm	75.8/2,300	75.8/2,300 75.8/2,300
7.3	Maximum Torque	lbf-ft/rpm	243/1,400	243/1,400 243/1,400
7.4	No. of Cylinders/Displacement	EA/cc	4/3,409	4/3,409 4/3,409
7.5	Fuel Consumption Acc. to VDI Cycle	l/h	4	4.2 4.8
Additional Data				
8.1	Type of Drive Control		Power Shift	Power Shift Power Shift
8.2	Operating Pressure, System/Sttachments	psi	3,050/2,030	3,050/2,030 3,050/2,030
8.3	Oil Volume for Attachments	GPM-US	16	16 16

35D-9VB											
Mast Type		Maximum fork height	Overall height (Lowered)		Free lift height	Tilt angle		Load capacity		Truck weight (Unloaded)	
			Single	Double		Fwd	Bwd	Single	Double	Single	Double
			in	in		deg	deg	lb	lb	lb	lb
STANDARD	V300	118	88	87	5	8	10	8,000	8,000	13,060	13,406
	V330	130	94	93	5	8	10	8,000	8,000	13,143	13,489
	V370	146	104	103	5	8	10	8,000	8,000	13,238	13,584
	V400	157	112	111	5	8	10	8,000	8,000	13,332	13,678
	V430	169	118	117	5	8	10	8,000	8,000	13,398	13,743
	V500	5000	3345	3330	120	8	6	3,500	3,500	6,211	6,368
2-STAGE FULL FREE LIFT	VF300	118	88	87	53	8	8	8,000	8,000	13,142	13,481
3-STAGE FULL FREE LIFT	TF400	157	84	83	49	8	8	8,000	8,000	13,626	13,972
	TS420	165	86	85	51	8	8	8,000	8,000	13,670	14,016
	TF/TS430	169	88	87	53	8	8	8,000	8,000	13,695	14,040
	TF/TS470	185	94	93	59	8	8	8,000	8,000	13,817	14,162
	TF500	197	98	97	63	8	6	8,000	8,000	13,867	14,213
	TF/TS550	217	105	104	70	8	6	7,450	7,650	14,002	14,348
	TF600	236	112	111	77	8	6	7,010	7,200	14,153	14,498
	TS650	256	119	119	84	8	6	6,740	6,870	14,245	14,590

45D-9VB											
Mast Type		Maximum fork height	Overall height (Lowered)		Free lift height	Tilt angle		Load capacity		Truck weight (Unloaded)	
			Single	Double		Fwd	Bwd	Single	Double	Single	Double
			in	in		deg	deg	lb	lb	lb	lb
STANDARD	V300	118	88	87	5	8	10	10,000	10,000	15,014	15,293
	V330	130	94	93	5	8	10	10,000	10,000	15,097	15,376
	V400	157	112	111	5	8	10	10,000	10,000	15,286	15,565
	V430	169	118	117	5	8	10	10,000	10,000	15,351	15,631
	V450	177	122	121	5	8	6	10,000	10,000	15,534	15,814
	V500	197	132	131	5	8	6	10,000	10,000	15,646	15,926
2-STAGE FULL FREE LIFT	VF300	118	88	87	53	8	8	10,000	10,000	15,084	15,364
3-STAGE FULL FREE LIFT	TF400	157	84	83	49	8	8	10,000	10,000	15,580	15,865
	TS420	165	86	85	51	8	8	10,000	10,000	15,624	15,909
	TF/TS430	169	88	87	53	8	8	10,000	10,000	15,649	15,934
	TS450	177	90	90	55	8	8	10,000	10,000	15,690	15,975
	TF/TS470	185	94	93	59	8	8	10,000	10,000	15,770	16,055
	TF500	197	98	97	63	8	6	10,000	10,000	15,821	16,106
	TF/TS550	217	105	104	70	8	6	9,780	9,830	15,956	16,241
	TF600	236	112	111	77	8	6	9,230	9,280	16,107	16,392
	TS650	256	119	119	84	8	6	8,640	8,950	16,199	16,484

50DN-9VB											
Mast Type		Maximum fork height	Overall height (Lowered)		Free lift height	Tilt angle		Load capacity		Truck weight (Unloaded)	
			Single	Double		Fwd	Bwd	Single	Double	Single	Double
			in	in		deg	deg	lb	lb	lb	lb
STANDARD	V290	115	87	87	5	8	10	11,000	11,000	15,855	16,150
	V320	127	93	93	5	8	10	11,000	11,000	15,911	16,206
	V360	143	103	103	5	8	10	11,000	11,000	16,002	16,297
	V390	155	111	111	5	8	10	11,000	11,000	16,080	16,375
	V440	174	121	121	5	8	10	11,000	11,000	16,307	16,602
	V490	194	131	131	5	8	10	11,000	11,000	16,400	16,695
3-STAGE FULL FREE LIFT	TF360	145	80	80	45	8	8	11,000	11,000	16,337	16,605
	TF390	156	84	83	49	8	8	11,000	11,000	16,394	16,663
	TF/TS420	168	88	87	53	8	8	11,000	11,000	16,449	16,718
	TF/TS460	184	94	93	59	8	8	11,000	11,000	16,537	16,806
	TF490	195	98	97	63	8	6	10,950	11,000	16,593	16,861
	TF/TS540	215	105	104	70	8	6	10,640	10,860	16,707	16,976
	TF/TS590	235	112	111	77	8	6	10,070	10,820	16,796	17,065
	TS640	255	119	119	84	8	6	9,780	10,560	16,888	17,156

Load Capacity



35/45D-9VB

50DN-9VB

ENGINEERED TO DO MORE FOR LESS



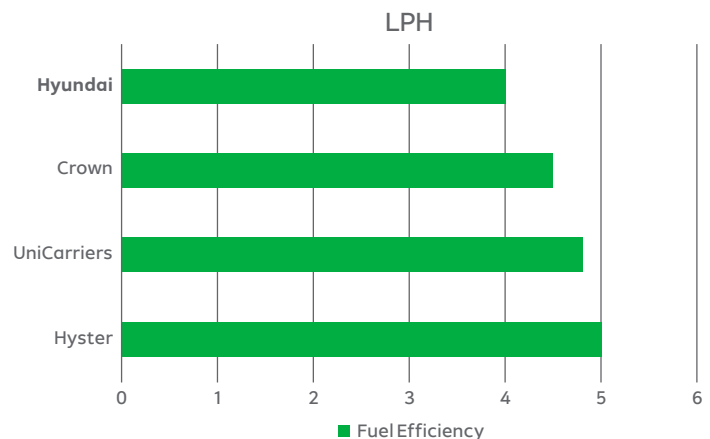
The Hyundai 35/45D/50Dn-9VB forklifts are powered by the high-performance, low emission Hyundai HDI DN03 diesel engine. Reliable and durable, these proven engines deliver high torque at low RPMs while meeting all Tier 4 final emission regulations. These eco-friendly engines are built to last thanks to features that include:

- Heavy-duty timing chain that extends engine life
- Lightweight cast iron cylinder block for greater strength while reducing overall weight

The 9VB also features a load sensing hydraulic system designed to optimize fuel efficiency by delivering only the hydraulic power required for each task—no more, no less. Unlike conventional systems that run at full pressure and flow regardless of demand, a load sensing system continuously monitors working conditions and adjusts pump output to match the load. This reduces engine strain, minimizes wasted energy, and lowers heat generation, all of which contribute to significant fuel savings—often up to 30% in real-world applications. The result is a smarter, more efficient machine that not only consumes less fuel but also extends component life and lowers operating costs.

FUEL EFFICIENCY THAT OUTPERFORMS THE COMPETITION

35/45D/50Dn-9VB forklifts consume just 4 liters of fuel per hour, delivering cost savings unavailable with other forklifts. Delivering 20% greater fuel efficiency per shift, the savings can really add up over time. Here's how the leading brands compare.



**Contact Your Local Hyundai Material
Handling dealer to learn more.**

NO ONE DELIVERS MORE



HD HYUNDAI XITESOLUTION | MATERIAL HANDLING

6100 Atlantic Blvd.
Norcross, GA 30071
hyundaimaterialhandling.com

678-823-7777

Standard & Optional Features

Specification			35D-9VB	45D-9VB	50Dn-9VB	Specification			35D-9VB	45D-9VB	50Dn-9VB	
Operation	OHG	Overhead Guard	●	●	●	Hydraulics	MCV	3 Spool MCV	○	○	○	
		Overhead Guard: High	○	○	○			4, 5 Spool MCV	●	●	●	
		Overhead Guard: Low with Rain Cover (87.4")	○	○	○			Attached Piping for All MCVs & Masts	○	○	○	
		Overhead Guard: High with Rain Cover (92.5")	○	○	○	T/M	Electronic (reverse speed 10.3 mph (4.5 ton unloaded))	○	○	○		
		Overhead Guard: Bolt-on with Rain Cover (87.4" / 82.5")	○	○	○		Mechanical (reverse speed 10.3 mph (4.5ton unloaded))	●	●	●		
	Overhead Guard: Bolt-on with Rain Cover (87.4" / 82.5")	○	○	○	Mechanical (reverse speed 8.9 mph (4.5 ton unloaded))		○	○	○			
	Cabin	Cabin (One door, Two door)	○	○	○	Powertrain	Pneumatic	○	○	○		
		Partial Cabin: Front Glass with Wiper	○	○	○		Solid	●	●	●		
	A/C	A/C & Heater, Heater only	○	○	○		Non-Marking	○	○	○		
	Seat	Grammer, Full Suspension Heater Seat + Armrest	○	○	○		Tires	Front: Pneumatic + Rear: Solid	○	○	○	
		Susp. + OPSS, Seatbelt, Buckle SW	●	●	●			Front: Solid + Rear: Pneumatic	○	○	○	
		Grammer, Fabric seat	○	○	○			Front: Double 15-inch, 16-inch (pneumatic, solid)	○	○	○	
		Seat option: Armrest, Belt, Buckle SW, Backrest, Heater	○	○	○	Lamp		Front: LED	●	●	●	
	Lever	Manual Lever	●	●	●		Front & Rear: LED	○	○	○		
		Fingertip	○	○	○		Mirror	Panoramic	●	●	●	
	Other	Radio & USB	○	○	○	Mirror		Mirror Options: Side Mirror LH/RH & Outside Mirror LH/RH	○	○	○	
		Rear Horn	○	○	○			Camera	Rear Camera	○	○	○
Extinguisher		○	○	○	Convenience	-	Knob-Switch with Direction & Horn		○	○	○	
Mast	2 Stage Mast: Standard(V300)	●	●	●			Load Sensor	○	○	○		
	2 Stage Mast: Standard, Single Full Free (V, VF)	○	○	○			Accumulator	○	○	○		
	3 Stage Mast: Single Full Free (TF), Dual Full Free (TS)	○	○	○			Auto Tilt	○	○	○		
Mast & Attachment	Fork	Fork: Standard (48")	●	●		●	Safety	-	Seatbelt Interlock	○	○	○
		Fork Options: 42.1" ~ 94.5"	○	○		○			Master Switch to Cut off Electricity from Battery	○	○	○
	Tilt	8 (FWD) / 10 (REV)	●	●	●	Hi-MATE (Management System)			○	○	○	
		8 (FWD) / 8 (REV), 8 (FWD) / 6 (REV)	○	○	○	Hazard Switch			○	○	○	
	Carriage	Integral Shaft Type	○	○	○	LED Beacon Lamp			●	●	●	
		Hook Type	●	●	●	Safety lamp: Front, Rear, Front & Rear Blue, Red Zone			○	○	○	
		Wide Carriage (63.0"/hook, 66.9"/shaft)	○	○	○	Others	-	HYD Oil: VG 46	●	●	●	
		Narrow Carriage (52.1"/hook, 52.4"/shaft)	●	●	●			HYD Oil Option: VG 68 for Tropical, VG 15 / 32 for Cold Area	○	○	○	
	Special Carriage (57.5"/shaft)	○	○	○	Frame: Recycling Package (under cover)			○	○	○		
	Attachment	Fork Positioner: Independent, Synchronized	○	○	○							
		Side Shift	●	●	●							
		Side Shift with Fork Positioner	○	○	○							
		Side Shift (excluding pocket and fork)	○	○	○							

● STD / ○ OPT

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