Standard & Option

			Details	35D/40D/45D 50Dn-9VB
OPERATION ROOM	OHG & Cabin		Overhead Guard - Standard (2,221)	●
			Overhead Guard - High (2,365)	○
			Overhead Guard - Standard & with Rain Cover	○
			Overhead Guard - High & with Rain Cover	○
			Cabin Options (One Door, Two Door)	○
			Partial Cabin (Front Glass with Wiper, Rear Glass & Top Rain Cover)	○
	A/C		A/C & Heater, Heater only	○
	Seat		Non-susp., OPSS, Orange Belt, S/S, B/S, PVC, Interlock Option Available	●
			Grammer, OPSS, Orange Belt, S/S, PVC	○
			Grammer, OPSS, Orange Belt, S/S, B/S, Arm Rest, PVC, Interlock Option Available	○
			Grammer, OPSS, Orange Belt, S/S, Arm Rest, PVC	○
			Grammer, OPSS, Orange Belt, S/S, B/S, Arm Rest(LH), PVC, Interlock Option Available	○
			Grammer, OPSS, Orange Belt, S/S, Arm Rest, PVC,	○
			Grammer, OPSS, Orange Belt, S/S, Arm Rest, PVC, Heat, Back Rest Extension	○
			Grammer, OPSS, Orange Belt, S/S, B/S, PVC, Interlock Option Available	○
			Grammer, OPSS, Orange Belt, S/S, B/S, Arm Rest, Fabric, Interlock Option Available	○
			Grammer, OPSS, Orange Belt, S/S, B/S, Arm Rest(LH), Fabric, Interlock Option Available	○
	Lever		Lever - General	●
	Other Options		Rear Horn	○
			Extinguisher	○
MAST	Mast		2 Stage Mast - Standard (V)	●
			2 Stage Mast - Single Full Free (VF)	○
			3 Stage Mast - Single Full Free (TF)	○
			3 Stage Mast - Dual Full Free (TS)	○
	Fork		Length : 48"(1,220mm)	●
			Length : 42"(1,070mm), 54"(1,370mm), 60"(1,520mm), 66"(1,670mm), 72"(1,820mm), 77"(1,970mm), 83"(2,120mm),	○
	Carriage	Type	Hook	●
			Integral Shaft	○
		Width	Narrow (For Single Tire)	●
			Special (For Single Tire)	○
			Wide (For Double Tire)	○
	Attachment		Side Shift	○
			Side Shift with Fork Positioner (Synchronized or Independent)	○

		Details	35D/40D/45D 50Dn-9VB
HYDARULIC	MCV & Piping	3 Spool MCV	●
		4 Spool MCV	○
		5 Spool MCV	○
		Attached Piping for All MCVs & Masts	○
TIRE	Tires	Pneumatic	●
		Solid	○
		Non-Marking	○
		Front Pneumatic + Rear Solid	○
		Front Solid + Rear Pneumatic	○
		Front Double (16inch)	○
		Front Double (15inch)	○
VISIBILITY	LED Work Lamp	Front LED	●
		Front & Rear LED	○
		Front LED & Rear Blue Spot	○
	Safety Lamp	LED Beacon Lamp	●
	Mirror	Panorama Mirror	●
		Panorama Mirror & Side Mirror LH/RH	○
		Panorama Mirror & Outside Mirror LH/RH	○
		Panorama Mirror & Side Mirror LH/RH & Outside Mirror LH/RH	○
	Camera	Rear camera	○
CONVENIENCE	-	Knob-Switch with Direction & Horn	○
		Master Switch to Cut off Electricity from Battery	○
		Hazard Switch	○
		Auto Tilt	○
		Load Sensor	○
		Radio & USB	○
OTHERS	-	Fuel Cap with Key	○
		RMS(Remote Management System)-Mobile	○
		Hi-Mate Premium	○
		Hyd. Oil Std. VG 46	●
		Hyd. Oil Opt. VG 68 (Tropical) / 15 (Cold) / 32 (Cold)	○
		Accumulator	○
		Under cover for Frame	○
		Steel Side Cover	○
		Hydraulic Oil Cooler	○

● STD / ○ OPT

HD HYUNDAI XITESOLUTION

www.hd-xitesolution.com

2025. 09

HD HYUNDAI XITESOLUTION

35D/40D/45D 50Dn-9VB

Internal Combustion Diesel Engine Forklift Truck

9VB series satisfies our customers' demands through adaptation of HDI & HDX power train 〈Diesel engine for industrial vehicles, enhanced durability of transmission and drive axle〉 and enhanced driving comfort.

PRODUCT FEATURES
OVERVIEW

VALUE UP

As times change, the standard for high performance should also change

■ Applied new power train

13%

50Dn-9VB, 13% Improved top travel speed

■ Increased wheel base

8%

50Dn-9VB, 400kg 8% Improved tipping load & safety factor

ECO-FRIENDLY ECONOMICAL

Eco-friendly engine

- Stage 3A regulation satisfaction, powerful performance
  - HDI DN03 engine

Innovative cost-effectiveness and reliable durability

- HDX with improved capacity for heavy duty and durability
  - Increased clutch capacity by 36%, oil volume by 70%
- HDX D/A with increased strength of the bevel gear set and differential gear set
- Selection of engine working mode
  - 'STD / PWR'
- Increased wheel base
  - Improve travel & work efficiency

Enhanced safety

- Human error prevention - auto-parking brake system
- HAC (Hill Start Assist Control)
- OPSS - travel, lift, and tilt lock
- Forced seat belt wearing - seat belt interlock Option
- Engine start limit - password function

Outstanding operability 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 Floor plate & 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 management without weight disintegration
- Waterproof and dustproof fuse & relay box
- Horizontal placed MCV with an embedded emergency lowering screw

35D/40D/45D
50Dn-9VB

Powerful & efficient HG Engine

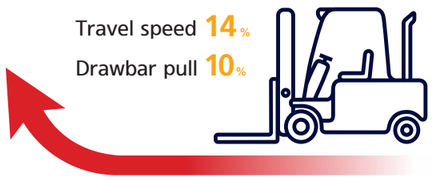
HDI DN03 engine is the optimal engine that requires high torque in low rpm, and one that satisfies EU stage 3A emission regulation.

* Use of BOSCH Fuel system: common rail & ECU, high pressure(1,800bar) injection
* Use of timing chain : Superb durability
* Easy maintenance : Apply fan belt auto-tensioner
* **Rated power (ps/rpm) : 95.0 / 2,300**
* **Max torque (kg-m/rpm) : 35.7 / 1,600**

Driving Performance

Maximum travel speed and drawbar pull are increased by 14% and 10%, respectively, by resetting rpm in the high-speed region of the engine and applying the gear of new transmission and drive axle of HDX.

Driving Performance(50Dn-9VB)



ENVIRONMENT FRIENDLY
GREAT PRODUCTIVITY, DURABILITY

PERFORMANCE UP

Eco-friendly engine and powertrain with significantly increased performance and durability!

Experience newly changed performance.

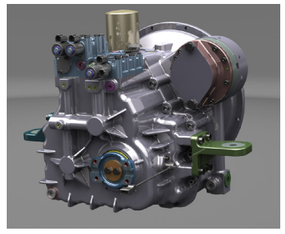
Increased wheel base - 4.5/5.0t

Wheel base of heavy-duty specifications (4.5/5.0 tons) is expanded by 100 mm to improve travel and work safety; the service life of the steering tire is extended, and the reliability of the steering system is improved. In addition, the capacity of the hydraulic oil tank is increased to reduce the effects of heat on the hydraulic system.

4.5/5.0ton : 2,100mm

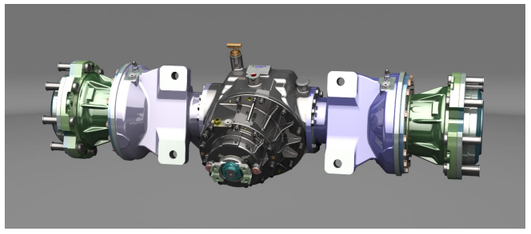
New HDX Transmission

Power transfer capability of clutch pack and transmission oil volume are increased by 25% and 4 liters, respectively, by taking into account the continuous work environments of 2 shifts/day or more; the reverse gear, which is not frequently used, is configured in a single step to enhance durability and practicality. As a transmission controller, DCSR prevents failure of internal gear train caused by impact when changing the traveling direction between forwarding and reversing without halting vehicle operation.



New HDX Drive axle

Planetary reducing gear, final reduction system optimal for applications of significant torque variation applied; oil sump capacity designed to be larger for the rapid absorption and emission of braking heat. Maintenance-free auto parking system is configured on the front of the differential assembly.



Engine performance Up/Down

Drivers can select engine power according to their work environment conveniently with the STD/PWR button located on the dashboard. Moreover, they can save over 5.5% more in fuel cost when selecting STD mode than when selecting PWR mode.

Password setting – Startup restriction

A function of password input on the cluster applies for preventing safety accident or damage that may take place on the equipment when any unauthorized operator or administrator operates the equipment. (Up to ten passwords are allowed.)

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, 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.

Seat belt interlock – forced belt wearing Option

The seat belt interlock system, which restricts forklift operation when the seat belt–wearing order is not observed or the operator releases the belt while driving, prevents operator injury from safety accidents that may occur when the seat belt is not fastened.

Speed limit

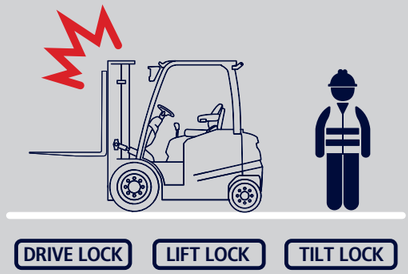
The maximum driving speed can be set to prevent accidents caused by exceeding the speed limit. Even though the maximum driving speed is set, hill-climbing ability and mast working performance are maintained at the highest level.

SAFETY UP

Safety at the logistics site is most important, safety is supported by complete reliability

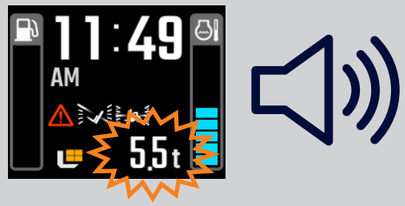
Operator presence sensing system

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



Overload operation warning – Load sensing system Option

Cargo weight measurement function configured with pressure sensor of lift line and cluster program provides real-time indication of weight of lifted cargo and prompts a warning on the cluster in case of overloading to remind the operator of safety.



Cabin Option

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

Air con / Heater Option

① The air conditioner has four air outlets that prevent the blow of cold air from being directed to a particular the body. And it is easy to perform maintenance work because the outdoor and indoor unit are integrated.

② The heaters supplies warm air separately to the operator's upper and lower body. A discharge port for removing moisture and frost has been added.

Multi-functional digital color monitor

The size of the key information displayed on the color LCD window is increased. Various additional features are also available as the MCU (master control unit for the forklift) is integrated with the cluster. Considering the Optionion selection by the customer, Hi-MATE support function and seat belt interlock module are installed.

Full-suspension seat– Grammer

The full suspension seat of Grammer of Germany has an adjustable cushion depending on the weight of the driver, and convenience specifications such as seat belt switch, arm rests, and heater are optional.

Ergonomic pedal - Hydraulic boosted brake pedal

The work pedal structure is changed to the hanging type and ergonomically rearranged in consideration of the driver's convenience. Moreover, braking force is improved compared to that of the existing systems by adding a hydraulic booster to the brake system.

Steering handle that is easy to operate

The diameter of the handle is reduced by 70mm to minimize the operator's fatigue and the Danfoss 4th generation Orbitrol is applied to reduce noise and improve the reverse rotation jam of the handle.

CONVENIENCE UP

Increasing work efficiency to the next level with consistent convenience in any condition

MAINTENANCE UP

Easy maintenance and cost-effective after-sales service Even though the work is finished, the satisfaction continues

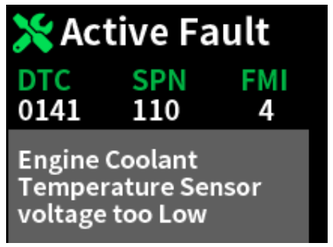
35D/40D/45D 50Dn-9VB

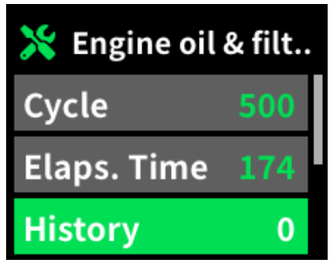
Larger maintenance space

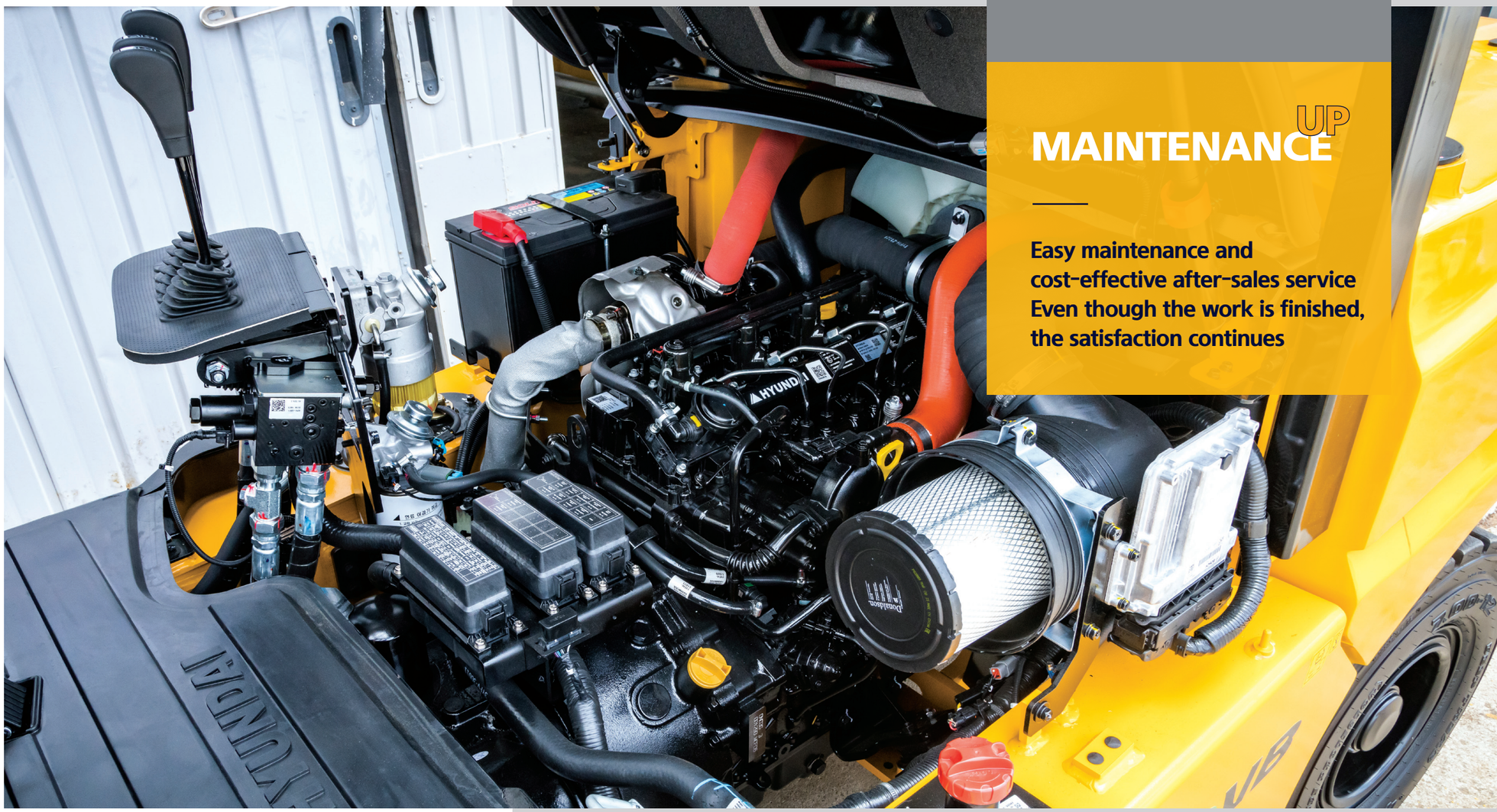
A lager work space is provided for the follow-up management of consumables and major function parts when you open the engine hood) supported with two gas springs, tool less type side cover and floor plate.

Engine diagnosis and consumable maintenance

Engine failure can be checked in clusters without the need for a separate engine diagnostic tool, and the parts to be replaced are displayed in the cluster during operation when the replacement timing of all consumables requiring periodic maintenance is set in the cluster.

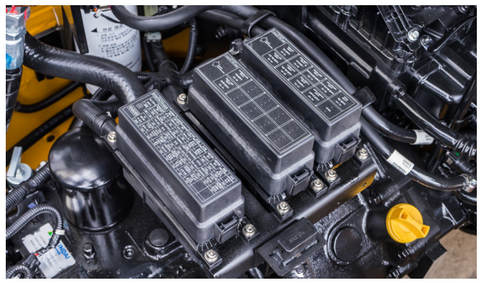






Fuse & Relay box

The fuse and relay, which are vulnerable to contamination, are installed in water- and dust-tight box that is in turn installed in the engine compartment to reduce the downtime for maintenance.



Detachable radiator cover

The plastic tool-less radiator sub-hood on top of the counterweight separated from the main hood reduces the downtime for checking the cooling water level and makeup.

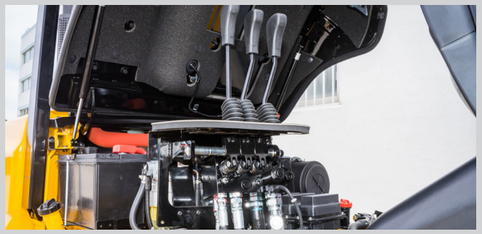
Counter weight cover

To eliminate the inconvenience of removing the counterweight to inspect the aftertreatment device inside the weight, the opening of the counterweight has been expanded to the maximum extent possible. The aftertreatment device is accessible by removing the protective screen on the back of the counterweight.

Easy Service MCV

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.

* Embedded flow regulator - Easy to regulate the lowering speed
* Embedded emergency screw - Allowing mast lowering in an emergency situation

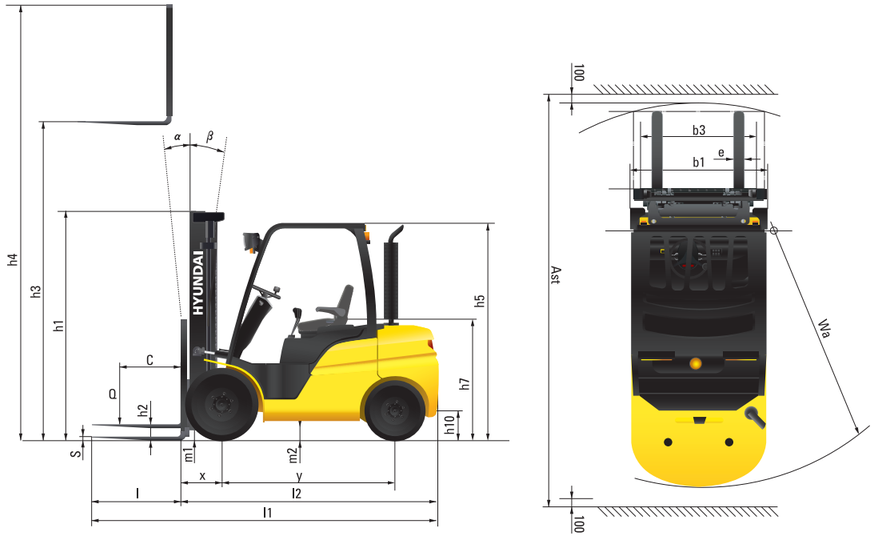


HiMATE

Hi-MATE, a solution for field control based on data

Data collected at the sensors and modules mounted on equipment during the operation of forklift truck at the operation control system of Hyundai Industrial Vehicle is provided to the mobile device or computer of the customer in real time through the server of Hyundai Construction Equipment. Such visual data can be used for establishing a control plan for safety control in fields, productivity improvement, and cost saving.

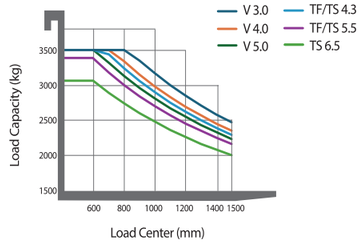
Dimension



Load Capacity

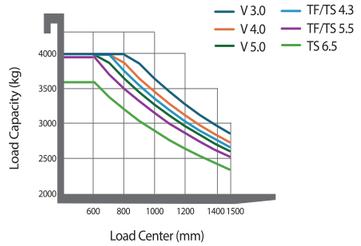
35D-9VB

Single Tire



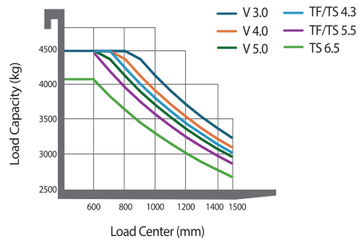
40D-9VB

Double Tire



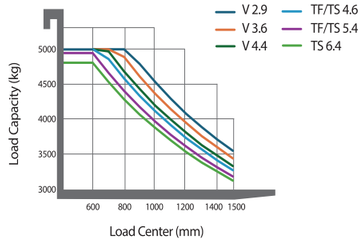
45D-9VB

Double Tire



50Dn-9VB

Double Tire



Specification

Identification						
	Manufacturer		Hyundai			
	Manufacturer's Type Designation		35D-9VB	40D-9VB	45D-9VB	50DN-9VB
1.1	Drive: Electric (Battery or Mains), Diesel, Petrol, Fuel Gas, Manual		Diesel	Diesel	Diesel	Diesel
1.2	Type Of Operation : Hand, Pedestrian, Standing, Seated, Order-Picker		Seated	Seated	Seated	Seated
1.3	Load Capacity / Rated Load	kg	3,500	4,000	4,500	4,990
1.4	Load center distance	c (mm)	600	600	600	600
1.5	Load distance, center of front axle to fork	x (mm)	561	561	561	576
1.6	Wheelbase	y (mm)	2,030	2,030	2,100	2,100
Weights						
2.1	Service Weight	kg	5,907	6,466	6,911	7,282
2.2	Axle Loading, Loaded Front/Rear	kg	8,240/1,167	9,146/1,321	9,947/1,464	10,745/1,537
2.3	Axle Loading, Unloaded Front/Rear	kg	2,739/3,168	2,858/3,608	2,959/3,952	2,945/4,337
Wheels, Chassis						
3.1	Tires : Solid Rubber(V), Superelastic(SE), Pneumatic(P), Polyurethane(PE)		P	P	P	P
3.2	Tires Size, Front		8.25-15-14PR	7.50-16-12PR	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	7.00-12-14PR
3.5	Wheels, Number Front Rear(x=Driven Wheels)		2x2	4x2	4x2	4x2
3.6	Track Width, Front	b10 (mm)	1,132	1,282	1,282	1,282
3.7	Track Width, Rear	b11 (mm)	1,140	1,140	1,140	1,140
Basic Dimensions						
4.1	Mast/Fork Carriage Tilt Forward/Backward	degrees	8/10	8/10	8/10	8/10
4.2	Lowered Mast Height	h1 (mm)	2,235	2,220	2,220	2,220
4.3	Free Lift	h2 (mm)	120	120	120	120
4.4	Lift Height	h3 (mm)	3,020	3,020	3,020	2,930
4.5	Extended Mast Height	h4 (mm)	4,234	4,234	4,234	4,147
4.7	Overhead Load Guard(Cab) Height	h5 (mm)	2,223(2,246)	2,221(2,234)	2,221(2,234)	2,221(2,234)
4.8	Seat Height/Standing Height(SIP)	h7 (mm)	1,316	1304	1,304	1304
4.12	Coupling Height	h10 (mm)	372	372	360	360
4.19	Overall Length	l1 (mm)	4,219	4284	4,504	4,547
4.20	Length to Face of Forks	l2 (mm)	3,149	3204	3,284	3,347
4.21	Overall Width	b1 (mm)	1,370	1,746	1,746	1,746
4.22	Fork Dimensions(H x W x L)	l x e x s (mm)	50x122x1070	50x150x1070	50x150x1,220	60x150x1,200
4.23	Fork Carriage ISO 2328, Class/Type A,B		III / A	III/A	III/A	III/A
4.24	Fork-Carriage Width(with backrest)	b3 (mm)	1,300	1600	1,600	1,676
4.31	Ground Clearance, Under Mast	m1 (mm)	170	155	155	155
4.32	Ground Clearance, Centre of Wheelbase	m2 (mm)	202	202	190	190
4.34.1	Aisle Width for Pallets 1000x1200 Crossways	Ast (mm)	4,656	4,705	4,799	4,857
4.34.2	Aisle Width for Pallets 800x1200 Lengthways	Ast (mm)	4,856	4,905	4,999	5,057
4.35	Turning Radius	Wa (mm)	2,895	2,944	3,038	3,081
Performance						
5.1	Travel Speed, Loaded/Unloaded	km/h	28/30.3	27.7/29.2	27.7/29.5	27.4/29.5
5.2	Lift Speed, Loaded/Unloaded	mm/s	520/540	510/540	510/540	475/475
5.3	Lowering Speed, Loaded/Unloaded	mm/s	550/550	550/550	550/550	500/550
5.6	Max. Drawbar Pull, Loaded/Unloaded	N	41,432/39,409	43,492/42,845	41,405/40,346	41,460/40,256
5.8	Max. Gradeability, Loaded/Unloaded	%	46.5/20.5	41.9/16.9	37.6/18.1	34.6/19.1
5.10	Service Brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic
Engine						
7.1	Engine Manufacturer/Type		HDI DN03	HDI DN03	HDI DN03	HDI DN03
7.2	Engine Power Acc. to ISO 1585	kW/rpm	70/2,300	70/2,300	70/2,300	70/2,300
7.3	Maximum Torque	kgf.m/rpm	35.7/1,600	35.7/1,600	35.7/1,600	35.7/1,600
7.4	No. of Cylinders/Displacement	EA/cc	4/3,409	4/3,409	4/3,409	4/3,409
7.5	Fuel Consumption Acc. to VDI Cycle	l/h	4	4	4.2	4.8
Addition Data						
8.1	Type of drive control		Power Shift	Power Shift	Power Shift	Power Shift
8.2	Operating pressure, system/attachments	bar	210/140	210/140	210/140	210/140
8.3	Oil volume for attachments	LPM	60	60	60	60

35D-9VB

Mast Type		Maximum fork height	Overall height (Lowered)		Free lift height	Tilt angle		Load capacity without Side shift		Load capacity with intergral Side shift		Truck weight (Unloaded)	
			Single	Double		Fwd	Bwd	Single	Double	Single	Double	Single	Double
		mm	mm	mm	mm	deg	deg	kg	kg	kg	kg	kg	kg
STANDARD	V300	3,020	2,235	2,220	120	8	10	3,500	3,500	3,500	3,500	5,924	6,081
	V330	3,320	2,385	2,370	120	8	10	3,500	3,500	3,500	3,500	5,962	6,118
	V400	4,020	2,845	2,830	120	8	10	3,500	3,500	3,470	3,500	6,047	6,204
	V430	4,320	2,995	2,980	120	8	10	3,500	3,500	3,400	3,450	6,077	6,234
	V500	5,020	3,345	3,330	120	8	6	3,500	3,500	3,220	3,280	6,211	6,368
2-STAGE FULL FREE LIFT	VF300	3,005	2,235	2,220	1,358	8	8	3,500	3,500	3,500	3,500	5,961	6,115
3-STAGE FULL FREE LIFT	TF400	4,030	2,135	2,120	1,249	8	8	3,500	3,500	3,420	3,470	6,181	6,337
	TS420	4,210	2,175	2,160	1,289	8	8	3,500	3,500	3,390	3,440	6,196	6,353
	TF/TS430	4,330	2,235	2,220	1,349	8	8	3,500	3,500	3,350	3,400	6,212	6,369
	TF/TS470	4,720	2,385	2,370	1,499	8	8	3,500	3,500	3,250	3,310	6,267	6,424
	TF500	5,020	2,485	2,470	1,599	8	6	3,500	3,500	3,180	3,240	6,290	6,447
	TF/TS550	5,520	2,665	2,650	1,779	8	6	3,380	3,470	3,070	3,130	6,351	6,508
	TF600	6,030	2,845	2,830	1,959	8	6	3,180	3,270	2,800	2,850	6,420	6,576
	TS650	6,540	2,845	2,830	2,139	8	6	3,060	3,120	2,690	2,710	6,461	6,618

40D-9VB

Mast Type		Maximum fork height	Overall height (Lowered)		Free lift height	Tilt angle		Load capacity without Side shift		Load capacity with intergral Side shift		Truck weight (Unloaded)	
			Single	Double		Fwd	Bwd	Single	Double	Single	Double	Single	Double
		mm	mm	mm	mm	deg	deg	kg	kg	kg	kg	kg	kg
STANDARD	V300	3,020	2,235	2,220	120	8	10	3,500	3,500	3,500	3,500	5,924	6,081
	V330	3,320	2,385	2,370	120	8	10	3,500	3,500	3,500	3,500	5,962	6,118
	V400	4,020	2,845	2,830	120	8	10	3,500	3,500	3,470	3,500	6,047	6,204
	V430	4,320	2,995	2,980	120	8	10	3,500	3,500	3,400	3,450	6,077	6,234
	V500	5,020	3,345	3,330	120	8	6	3,500	3,500	3,220	3,280	6,211	6,368
2-STAGE FULL FREE LIFT	VF300	3,005	2,235	2,220	1,358	8	8	3,500	3,500	3,500	3,500	5,961	6,115
3-STAGE FULL FREE LIFT	TF400	4,030	2,135	2,120	1,249	8	8	3,500	3,500	3,420	3,470	6,181	6,337
	TS420	4,210	2,175	2,160	1,289	8	8	3,500	3,500	3,390	3,440	6,196	6,353
	TF/TS430	4,330	2,235	2,220	1,349	8	8	3,500	3,500	3,350	3,400	6,212	6,369
	TF/TS470	4,720	2,385	2,370	1,499	8	8	3,500	3,500	3,250	3,310	6,267	6,424
	TF500	5,020	2,485	2,470	1,599	8	6	3,500	3,500	3,180	3,240	6,290	6,447
	TF/TS550	5,520	2,665	2,650	1,779	8	6	3,380	3,470	3,070	3,130	6,351	6,508
	TF600	6,030	2,845	2,830	1,959	8	6	3,180	3,270	2,800	2,850	6,420	6,576
	TS650	6,540	2,845	2,830	2,139	8	6	3,060	3,120	2,690	2,710	6,461	6,618

45D-9VB

Mast Type		Maximum fork height	Overall height (Lowered)		Free lift height	Tilt angle		Load capacity without Side shift		Load capacity with intergral Side shift		Truck weight (Unloaded)	
			Single	Double		Fwd	Bwd	Single	Double	Single	Double	Single	Double
		mm	mm	mm	mm	deg	deg	kg	kg	kg	kg	kg	kg
STANDARD	V300	3,020	2,235	2,220	120	8	10	4,500	4,500	4,500	4,500	6,810	6,937
	V330	3,320	2,385	2,370	120	8	10	4,500	4,500	4,500	4,500	6,848	6,975
	V400	4,020	2,845	2,830	120	8	10	4,500	4,500	4,500	4,500	6,933	7,060
	V430	4,320	2,995	2,980	120	8	10	4,500	4,500	4,460	4,460	6,963	7,090
	V500	5,020	3,345	3,330	120	8	6	4,500	4,500	4,260	4,260	7,097	7,224
2-STAGE FULL FREE LIFT	VF300	3,005	2,235	2,220	1,358	8	8	4,500	4,500	4,500	4,500	6,842	6,969
3-STAGE FULL FREE LIFT	TF400	4,030	2,135	2,120	1,249	8	8	4,500	4,500	4,500	4,500	7,067	7,196
	TS420	4,210	2,235	2,220	1,289	8	8	4,500	4,500	4,460	4,460	7,083	7,212
	TF/TS430	4,330	2,235	2,220	1,349	8	8	4,500	4,500	4,410	4,400	7,098	7,227
	TF/TS470	4,720	2,385	2,370	1,499	8	8	4,500	4,500	4,290	4,290	7,153	7,283
	TF500	5,020	2,485	2,470	1,599	8	6	4,500	4,500	4,210	4,200	7,176	7,306
	TF/TS550	5,520	2,665	2,650	1,779	8	6	4,440	4,460	4,070	4,060	7,238	7,367
	TF600	6,030	2,845	2,830	1,959	8	6	4,190	4,210	3,580	3,730	7,306	7,435
	TS650	6,540	3,025	3,010	2,139	8	6	3,920	4,060	3,400	3,580	7,348	7,477

50DN-9VB

Mast Type		Maximum fork height	Overall height (Lowered)		Free lift height	Tilt angle		Load capacity without Side shift		Load capacity with intergral Side shift		Truck weight (Unloaded)	
			Single	Double		Fwd	Bwd	Single	Double	Single	Double	Single	Double
		mm	mm	mm	mm	deg	deg	kg	kg	kg	kg	kg	kg
STANDARD	V290	2,930	2,220	2,205	120	8	10	4,990	4,990	4,990	4,990	7,192	7,326
	V320	3,230	2,370	2,355	120	8	10	4,990	4,990	4,990	4,990	7,217	7,351
	V360	3,630	2,620	2,605	120	8	10	4,990	4,990	4,990	4,990	7,258	7,392
	V390	3,930	2,830	2,815	120	8	10	4,990	4,990	4,940	4,990	7,294	7,427
	V440	4,430	3,080	3,065	120	8	6	4,990	4,990	4,790	4,850	7,397	7,531
3-STAGE FULL FREE LIFT	TF390	3,972	2,135	2,120	1,174	8	8	4,990	4,990	4,870	4,940	7,436	7,558
	TF/TS420	4,272	2,235	2,220	1,274	8	8	4,990	4,990	4,770	4,840	7,461	7,583
	TF/TS460	4,662	2,385	2,370	1,424	8	8	4,990	4,990	4,660	4,740	7,501	7,623
	TF490	4,962	2,485	2,470	1,524	8	6	4,970	4,990	4,580	4,650	7,526	7,648
	TF/TS540	5,462	2,665	2,650	1,704	8	6	4,830	4,930	4,440	4,520	7,578	7,700
	TF590	5,972	2,845	2,830	1,884	8	6	4,570	4,910	4,100	4,180	7,619	7,740
	TS640	6,482	3,025	3,010	2,064	8	6	4,440	4,790	3,970	4,050	7,660	7,782