

Diesel Sit-Down Forklift

9V Series

25/30D-9V, 35DN-9V

5,000-7,000 lbs. capacities



HYUNDAI
MATERIAL HANDLING
NO ONE DELIVERS MORE

Get more of what you're looking for: THE 9V SERIES FROM HYUNDAI

Engineered to handle the toughest jobs in the most extreme conditions, the 9V Series brings you a powerful, eco-friendly Hyundai diesel engine that meets the nation's toughest emission standards. But strength with lower emissions is only one advantage. More performance, more convenience, simplified maintenance, and enhanced ergonomics all add up to workhorse machines that can lower your costs while raising your profits.

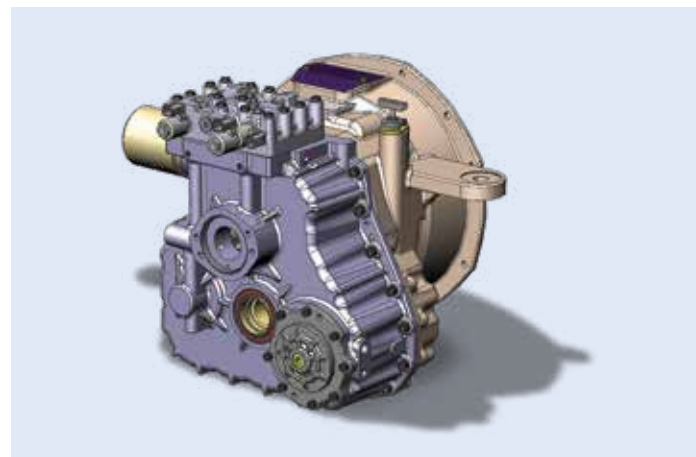
Reliability, durability, economy, that's what you'll find in the innovative 9V Series from Hyundai.



EFFICIENT, LOW EMISSION HYUNDAI-BUILT DIESEL

The powerful Hyundai DM02 diesel delivers superior performance with high torque at lower rpms, all while meeting EPA/CARB Tier 4 regulations. It also brings you:

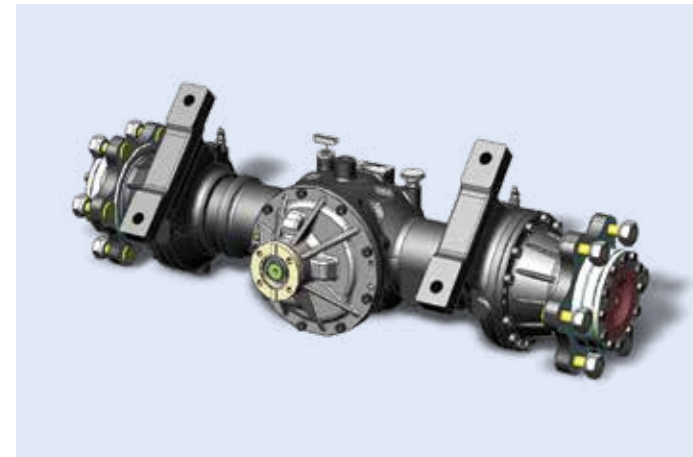
- Advanced BOSCH common rail fuel system with Electronic Engine Control Unit for greater efficiency
- Hydraulic Lash Adjustor (HLA) eliminates costly valve clearance checks while delivering quieter operation and longer engine life
- Simplified maintenance with remote type oil filter cuts downtime and operating costs



INNOVATIVE HYUNDAI-BUILT TRANSMISSION

Engineered by Hyundai to be a perfect match to our high performance engine, the new transmission provides smoother, reliable operation and so much more:

- Clutch pack capacity and oil volume increased to help protect against wear and heat damage
- Advanced Direction Change Shock Relief (DCSR) is precisely managed by the Master Control Unit (MCU) and reduces wear & tear and forward/reverse starting shock by 36%
- Auto parking brake engages if the operator leaves the seat or if the key is turned off



RUGGED HYUNDAI DRIVE AXLE

This advanced, rugged system is designed for years of reliable service. Noise is reduced thanks to an innovative ring gear incorporated in the hub reduction system. Durability is improved through the added strength of the gears composing the bevel, pinion, and differential assembly. In addition, the wet disc brakes offer smoother response and more consistent braking with reduced maintenance intervals.



LARGE, INFORMATION RICH DIGITAL CLUSTER

Our multi-function cluster puts essential information right in front of your operators. Fully integrated with the MCU (Master Control Unit), the new cluster comes standard with maintenance alarms, operational indicators, and safety alerts, including incline/slope warnings, load weight indicator, and OPSS (Operator Presence Sensing System). It also offers ready access to the auto park brake and Direction Change Shock Relief.

The 9V Series brings you even more advantages.

- Outstanding maneuverability and with our optional 3-stage mast greater visibility all around the workplace
- A full suspension Grammer seat, hanging-type pedals, and easy handling steering wheel for operator comfort
- Optional heated cab redesigned for improved visibility and comfort, while shielding operators from the environment and can include an optional air conditioner
- Easy access to key maintenance areas with a floor plate and side cover that can be removed without tools and a hood supported by two gas struts. With the 9V Series cluster, engine status and issues can be checked without the need for a separate diagnostic tool
- Fuses and relays are protected in a box with enhanced water-proof and dustproof protection
- New German engineered Buchholz monoblock Main Control Valve (MCV) for improved control of hydraulic functions and fuel efficiency
- Operator Presence Sensing System (OPSS) restricts driving, lift, and tilting whenever the operator leaves the seat
- For maximum safety the auto parking brake is activated when the engine stops or the OPSS detects a fault
- The Hill Assist Control engages the auto parking brake when the forklift stops while climbing a slope or grade such as a ramp
- The Load Weight Indicator provides a digital readout of the load weight and warns if the maximum capacity is exceeded
- Optional seat belt interlock system restricts forklift operation when the seat belt is not fastened or the operator releases the belt while driving for even greater safety
- Hanging pedal design reduces operator fatigue while enhancing driving precision and can include an optional hydraulic boost brake pedal
- The small diameter of the steering wheel improves handling while also reducing the effort required to navigate the forklift

HiMATE



HI-MATE MANAGEMENT SYSTEM

Hi-Mate is simply the industry’s best 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 coordinate both your equipment and human resources.

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

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.



Equipment operation management

Real-time monitoring and follow-up management of individual vehicles, drivers, equipment on-site, and operation information

- Key-on time, travel hours, work hours, and traveling position



Equipment status management

Supplying vital diagnostic information of the forklift linked with operation hours, establishing a follow-up management plan

- Indicating fuel level failure information
- Indicating filter change timing, PM schedule



Safe traveling control

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

- Count number and severity of impact incidents

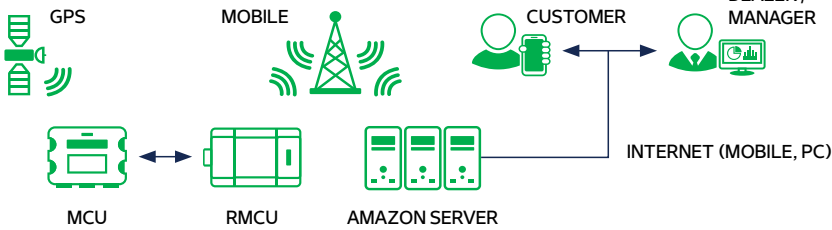


Human resource management

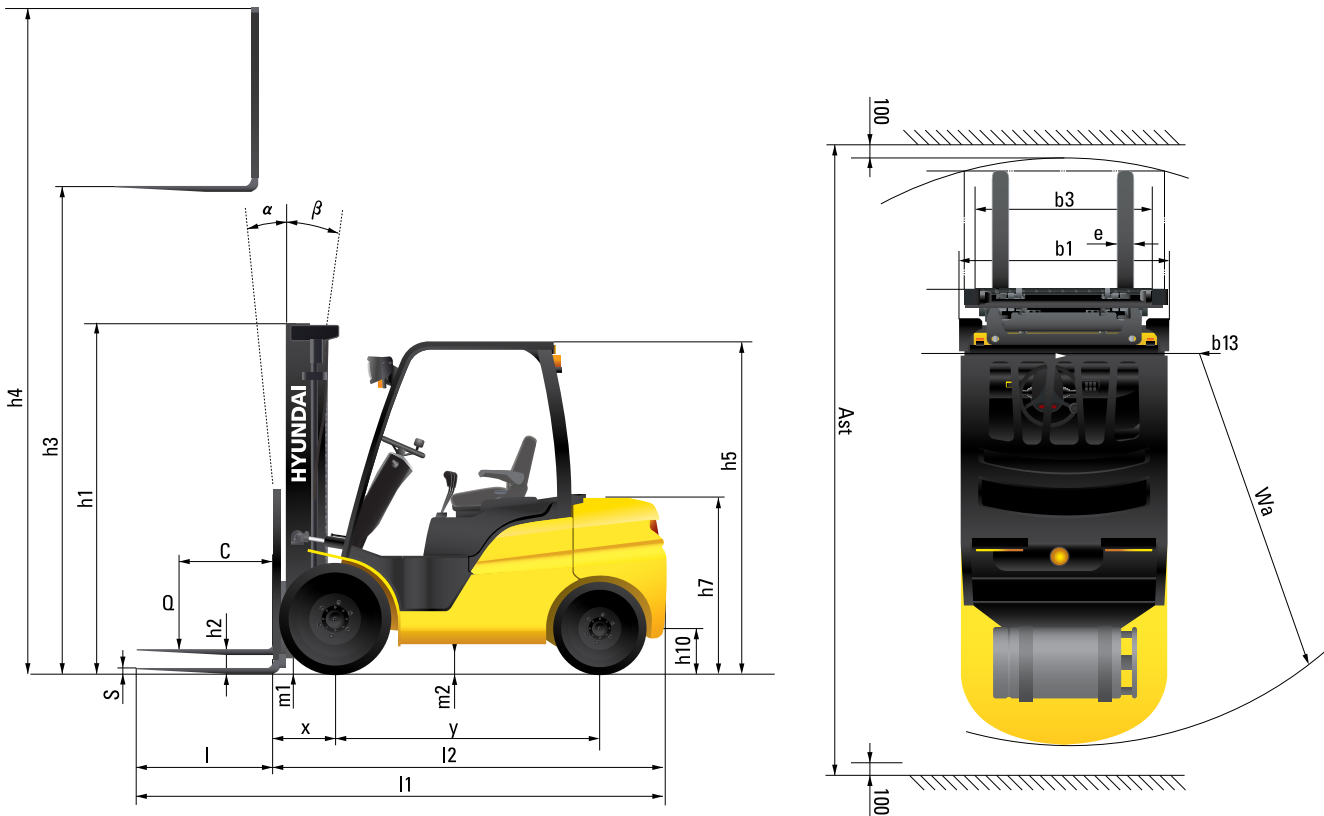
Checking and follow-up management including functions such as OSHA required pre-shift check list

- Driver authorization, self-diagnosis of equipment conditions

Data Flow



Dimensions



Specification

Identification

1.1	Manufacturer (Abbreviation)				Hyundai
1.2	Manufacturer's Type Designation			25D-9V	30D-9V
1.3	Drive : Electric (Battery Or Mains), Diesel, Petrol, Fuel Gas			DIESEL	DIESEL
1.4	Type Of Operation: Hand, Pedestrian, Standing, Seated, Order-Picker			Seated	Seated
1.5	Load Capacity / Rated Load	Q	lb	5,000	6,000
1.6	Load Center Distance	c	in	24	24
1.8	Load Distance, Center Of Drive Axle To Fork	x	in	18.4	18.4
1.9	Wheelbase	y	in	65	66.98

Weights

2.1	Service Weight		lb	8,583	9,484
2.2	Axle Loading, Loaded Front/Rear		lb	12,229/1,867	14,019/2,077
2.3	Axle Loading, Unloaded Front/Rear		lb	3,483/5,102	3,640/5,845

Wheels, Chassis

3.1	Tires : Solid Rubber, Superelastic, Pneumatic, Polyurethane			P	P
3.2	Tire Size, Front			7.00-12-14PR	28X9-15-16PR
3.3	Tire Size, Rear			6.50-10-12PR	6.50-10-12PR
3.5	Wheels, Number Front / Rear (X = Driven Wheels)			2x2	2x2
3.6	Tread, Front	b10	in	39.3	39.6
3.7	Tread, Rear	b11	in	38.6	38.6

Basic Dimensions

4.1	Tilt Of Mast/Fork Carriage Forward/Backward		degree	6/10	6/10
4.2	Height, Mast Lowered	h1	in	85.6	86.2
4.3	Free Lift	h2	in	6.1	6.1
4.4	Lift Height	h3	in	130.1	130.1
4.5	Height, Mast Extended	h4	in	176.6	176.6
4.7	Height Of Overhead Guard (Cabin)	h5	in	84.8(85.8)	85.8(86.4)
4.8	Seat Height / Stand Height Rel. To Sip	h7	in	46.5	46.5
4.12	Coupling Height	h10	in	12.2	11.8
4.19	Overall Length	l1	in	144.5	149.6
4.20	Length To Face Of Forks	l2	in	103.1	108.3
4.21	Overall Width	b1	in	47.2	48.4
4.22	Fork Dimensions	l x e x s	in	1.8x3.9x41.3	1.8x4.8x41.3
4.23	Fork Carriage Iso 2328, Class / Type A, B			II / A	III / A
4.24	Fork-Carriage Width	b3	in	43.4	43.4
4.31	Ground Clearance, Below Mast, Loaded	m1	in	5.1	5.7
4.32	Ground Clearance, Center Of Wheelbase	m2	in	6.8	6.7
4.34.1	Aisle Width For Pallets 1000 X 1200 Crossways	Ast	in	158.3	161.2
4.34.2	Aisle Width For Pallets 800 X 1200 Lengthways	Ast	in	166.1	169.1
4.35	Turning Radius	Wa	in	92.6	97.7
4.36	Smallest Pivot Point Distance		in	28.1	28.8

Performance Data

5.1	Travel Speed, Loaded / Unloaded		mph	9.8/10.7	10.7/11.4
5.2	Lift Speed, Loaded / Unloaded		ft/min	108/114	89/93
5.3	Lowering Speed, Loaded / Unloaded		ft/min	109/99	101/95
5.6	Max. Drawbar Pull, Loaded / Unloaded		lb	6,289/5,892	5,630/5,488
5.8	Max. Gradeability, Loaded / Unloaded		%	44.2/21.5	33.3/20.1
5.10	Service Brake			FOOT / HYDRAULIC	FOOT / HYDRAULIC

Combustion-Engine

7.1	Engine Manufacturer / Type			HD1DM02	HD1DM02
7.2	Engine Power Acc. To Iso 1585		Hp/rpm	67.7/2,300	67.7/2,300
7.3	Maximum Torque		Lbf-ft/rpm	180.7/1,600	180.7/1,600
7.4	No. Of Cylinders / Displacement		EA/cc	4/2,392	4/2392

Addition Data

8.1	Type Of Drive Control			HGDM02	HGDM02
8.2	Operating Pressure, System / Attachments		psi	3,000/2,100	3,000/2,100
8.3	Oil Volume For Attachments		GPM-US	15	15
8.4	Sound Level At The Driver's Ear According To Din 12053		dB (A)	83	83
8.5	Trailer Coupling, Type Din			PIN	PIN

Standard & Option

		Details	25/30/ 35D(n)-9V			Details	25/30/ 35D(n)-9V
OPERATION ROOM	OHG & Cabin	Overheadguard (25D-9V : 2,160mm, Other Models : 2,180mm)	●	HYDRAULIC	MCV & Piping	3 Spool MCV	●
		Overheadguard with Rain Cover (25D-9V : 2,170mm, Other Models : 2,190mm)	○			4 Spool MCV	○
		Cabin Options (One Door, Two Door)	○			Attached Piping for All MCVs & Masts	○
		Partial Cabin (Front Glass with Wiper, Rear Glass & Top Rain Cover)	○		Brake	Brake - Genaral type	●
	A/C	A/C & Heater, Heater only	○			Brake - Booster type	○
		Non-suspension, OPSS, Orange Belt, S/S, PVC	○	TIRE	Tires	Pneumatic Tire (Single)	●
	Seat	Non-suspension, OPSS, Orange Belt, S/S, B/S, PVC, Interlock Option Available	○			Solid Tire	○
		Grammer, OPSS, Orange Belt, S/S, PVC	○			Non-Marking Tire	○
		Grammer, OPSS, Orange Belt, S/S, B/S, Arm Rest, PVC, Interlock Option Available	○			Front Pneumatic + Rear Solid	○
		Grammer, OPSS, Orange Belt, S/S, Arm Rest, PVC	●			Front Solid + Rear Pneumatic	○
		Grammer, OPSS, Orange Belt, S/S, Arm Rest, PVC, Heat	○			Pneumatic Double or Solid Double (15" Wheel Rim)	○
		Grammer, OPSS, Orange Belt, S/S, Arm Rest, PVC, Heat, Back Rest Extension	○	VISIBILITY	LED Work Lamp	Front only	●
		Grammer, OPSS, Orange Belt, S/S, B/S, PVC, Interlock Option Available	○			Front & Rear	○
		Grammer, OPSS, Orange Belt, S/S, B/S, Arm Rest, Fabric, Interlock Option Available	○		Safety Lamp	Rear Blue Spot	○
		Lever	1,050mm Fork			LED Beacon Lamp	○
	Other Options	Rear Horn	●		Mirror	Panorama Mirror	●
		Extinguisher	○			Panorama Mirror & Back Mirror LH	○
MAST	Mast	2 Stage Mast - Standard (V)	●			Panorama Mirror & Back Mirror LH/RH	○
		2 Stage Mast - Single Full Free (VF), Dual Full Free (VS)	○	CONVENIENCE	—	Rear camera	○
		3 Stage Mast - Single Full Free (TF), Dual Full Free (TS)	○			Knob-Switch with Direction & Horn	○
		4 Stage Mast - Single Full Free (QF)	○			Master Switch to Cut off Electricity from Battery	●
	Fork	Length: 1,050mm	●			Master Switch to Cut off Electricity from Battery	●
		Length: 900, 1,000, 1,200, 1,350, 1,500, 1,650, 1,800, 2,100mm	○			Hydraulic Pressure Display	●
	Carriage	Type	Hook	OTHERS	—	Rear Tire Cover + Under Cover	○
			Hook Integral - Sideshift			Fuel Cap with Key	○
		Width	Integral Special - Sideshift + Fork Positioner			Rear Horn	○
			Narrow (1,102mm)			Pre-Cleaner	○
	Attachment	Side Shift	Wide (1,442mm)			Hi-Mate Basic	○
			Fork Positioner - Synchronized or Independent			Hi-Mate Premium	○
			Quick Disconnecter			Hyd. Oil Std. VG 46	●
		Quick Disconnecter	Side Shift			Hyd. Oil Opt. VG 68 (Tropical) / 15 (Cold) / 32 (Cold)	○
			Quick Disconnecter			Accumulator	○
		Quick Disconnecter	Quick Disconnecter			Clamp Interlock (3SP or 4SP)	○
			Quick Disconnecter				

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6100 Atlantic Blvd.
Norcross, GA 30071
hyundaiforkliftamericas.com

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