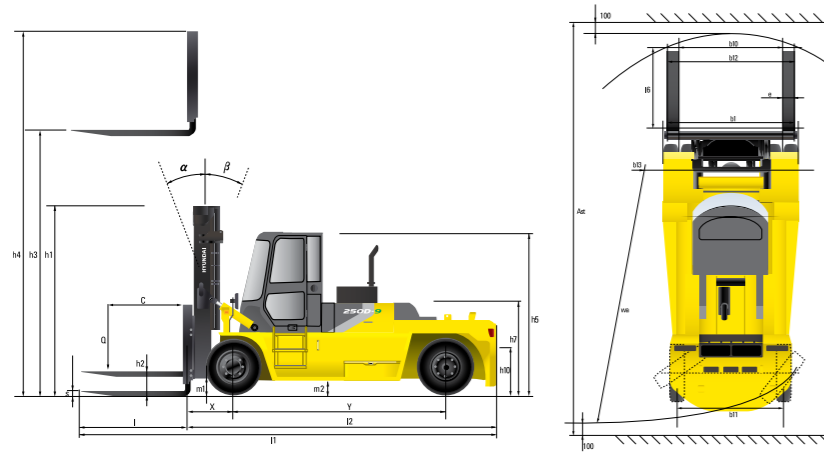


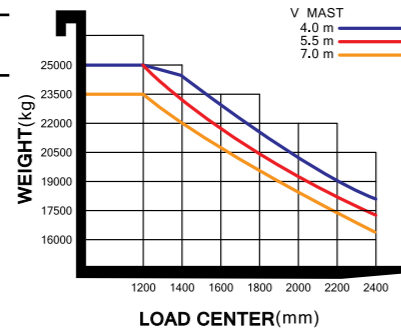
## Dimension



## Mast Specification

Mast Type	Overall Height Lowered(mm)	Maximum Fork Height(mm)	Free Lift Height(mm)	Tilt Angle (deg)		Load capacity (1200mm LC)(kg)	Truck Weight Unloaded(kg)
				Fwd	Bwd		
2-STAGE LIMITED FREE LIFT	V345	3,593	3,486	140	12 / 10	25,000	38,218
	*V400	3,870	4,040	140	12 / 10	25,000	38,797
	V450	4,120	4,540	140	12 / 10	25,000	39,075
	V500	4,370	5,040	140	12 / 10	25,000	39,367
	V550	4,620	5,540	140	12 / 10	25,000	39,646
	V600	4,870	6,040	140	12 / 10	25,000	40,230
	V650	5,120	6,540	140	12 / 10	24,900	40,543
3-STAGE FULL FREE LIFT	TS470	3,400	4,712	746	10 / 10	25,000	41,187
	TS500	3,500	5,012	796	10 / 10	24,900	41,355
	TS530	3,600	5,312	846	10 / 10	24,600	41,585
	TS560	3,700	5,612	896	10 / 10	24,400	41,756
	TS600	3,835	6,016	963	10 / 10	24,100	41,988
	TS650	4,000	6,512	1046	10 / 10	23,600	42,282

## Load Capacity



## Optional Items

- Fork(L x W x T)(mm)  
2,450 x 250 x 110(STD) / 2,700 x 250 x 110 / 3,150 x 250 x 110 / 3,650 x 250 x 110 / 3,700 x 250 x 110
- MCV : 6-SPOOL
- INTEGRATED FORK POSITIONER(INDEPENDENT) + SIDE SHIFT(STD)
- AIR COMPRESSOR
- Separator holder type Fork Carriage
- HANDS FREE
- BEACON LAMP

**HYUNDAI**  
MATERIAL HANDLING

Head Office (Sales office)

First tower, 55, Bundang-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea

## Specification

Identification	
1. 1 Manufacturer	HYUNDAI
1. 2 Manufacturer's type designation	250D-9
1. 3 Drive : electric(battery or mains), diesel, petrol, fuel gas, manual	DIESEL
1. 4 Type of operation : hand, pedestrian, standing, seated, order - picker	seated
1. 5 Load capacity / rated load	kg 25,000
1. 6 Load center distance	c mm 1,200
1. 8 Load distance, center of drive axle to fork	x mm 1,112
1. 9 Wheelbase	y mm 4,250

Weights	
2. 1 Service weight	kg 38,797
2. 2 Axle loading, loaded front / rear	kg 58,312 / 5,485
2. 3 Axle loading , unloaded front / rear	kg 19,506 / 19,291

Wheels, Chassis	
3. 1 Pneumatic	Pneumatic
3. 2 Tires size, front(φ x width)	14.00 - 24 - 32PR
3. 3 Tires size, rear(φ x width)	14.00 - 24 - 32PR
3. 5 Wheels, number front rear(x = driven wheels)	4 x 2
3. 6 Track width, front	mm 2,212
3. 7 Track width, rear	mm 2,140

Basic Dimensions	
4. 1 Mast / fork carriage tilt forward / backward	degrees 12 / 10
4. 2 Lowered mast height	h1 mm 3,877
4. 3 Free lift height	h2 mm 0
4. 4 Lift height	h3 mm 4,030
4. 5 Extended mast height	h4 mm 5,837
4. 7 Overhead guard (cab) height	h5 mm 3,223
4. 8 Seat height / Standing height	h7 mm 2,150
4. 12 Coupling height	h10 mm 528
4. 19 Overall length	l1 mm 8,812
4. 20 Length to face of forks	l2 mm 6,362
4. 21 Overall width	b1 mm 3,050
4. 22 Fork dimensions	s / e / l mm 2,450 x 250 x 110
4. 24 Fork - carriage width	b3 mm 2,950
4. 31 Ground clearance, loaded, under mast	m1 mm 300
4. 32 Ground clearance, centre of wheelbase	m2 mm 250
4. 33 Aisle width for pallets 1,000 x 1,200 crossways	Ast mm 9,626
4. 34 Aisle width for pallets 800 x 1,200 lengthways	Ast mm 9,626
4. 35 Turning radius	Wa mm 5,864
4. 36 Smallest pivot point distance	mm 2,030

Performance Data	
5. 1 Travel speed, unloaded	km/h 31.5
5. 2 Lift speed, loaded/unloaded	mm/s 250 / 280
5. 3 Lowering speed, loaded/unloaded	mm/s 400 / 300
5. 5 Drawbar pull, Loaded	KN 20.5
5. 7 Gradient performance, Loaded	% 31.2
5. 10 Service brake	Wet, Hydraulic

Engine	
6. 1 Engine manufacturer / type	Cummins QSL
6. 2 Engine power acc. to ISO 1585	kW 204
6. 3 Rated speed	1/min 2,200
6. 4 No. of cylinder / cubic capacity	/cm <sup>3</sup> 8,898
6. 5 Fuel consumption acc. To VDI cycle	l/h 25

Other Details	
8. 1 Type of drive control	Power Shift
8. 2 Operating pressure for attachments(system/attach)	240 / 160
8. 3 Oil volume for attachments	270
8. 4 Sound level at driver's ear according to DIN 12 053	76.2

Air Conditioning System	
The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential : 1430)	
The system hold 0.55kg refrigerant consisting of a CO <sub>2</sub> equivalent 0.79kg metric tonne. For more information, Please refer to the manual.	

PLEASE CONTACT

www.hyundai-ce.com

2018. 07 Rev. 5

# 250D-9

Performance Enhanced For Tier-4 Final

MOVING YOU FURTHER

HYUNDAI MATERIAL HANDLING



\*Photo may include optional equipment.

**HYUNDAI**  
MATERIAL HANDLING

# Your satisfaction is our priority!

Hyundai introduces a new line of 9-series diesel forklift trucks. The newly designed 4 wheel counterbalance trucks provide every operator comfortable driving, increased productivity and easy maintenance.

## New Diesel Forklift with Proven Quality and Advanced Technology

- Maximum performance
- Spacious operator's cab
- Load indicator
- OPSS System for safe operation
- Easy serviceability
- Hi-MATE (Remote Management System)



■ Some of the photos may include optional equipment.

# High Efficiency & Optimal Performance



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

**250D-9**



## Cummins QSL Engine

204kW/2,200rpm  
124kgf.m/1,500rpm

### Powerful Engine

The six cylinders turbo-charged engine is built for power, reliability and economy. This engine meets EPA Tier 4 and EU stage IV emission regulation.

### Variable Geometry Turbo

Unique sliding nozzle design controls EGR flow and boosts response at all engine speeds - avoids the need for twin turbo complexity

### New CM2350

Improved microprocessor and memory

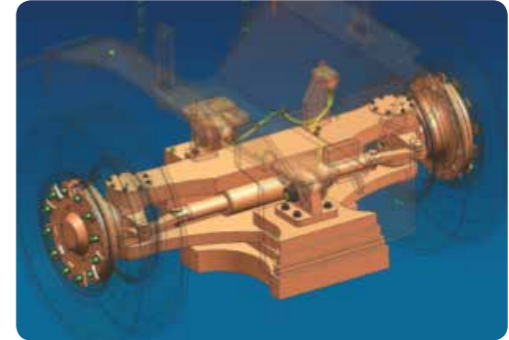
### Clean Crankcase Filter

Removes crankcase emissions and eliminates oil drips or mist for ultra-clean engine operation



### ZF Full-automatic Transmission

Full-automatic transmission gives easy, convenient handling and soft, smooth shifting. The operator can select two kinds of automatic modes.(1st 3rd, 2nd 3rd)  
Improved Torque converter with stator free wheel provides you fuel efficiency compared with old model for 4%.

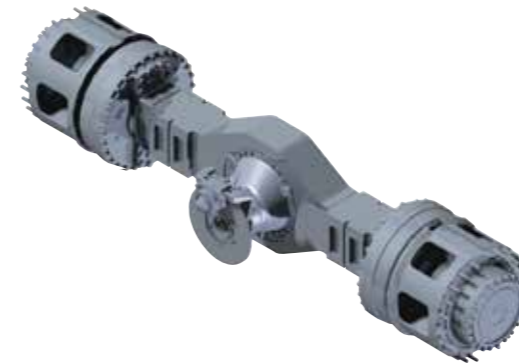


### Fully Hydrostatic Power Steering

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

### Load Sensing System

Only flow required on cylinders is supplied. It makes energy saving. (No excessive flow)



### Kessler Durable drive axle

The planetary reduction drive axle smoothly delivers desired torque to the drive wheels.



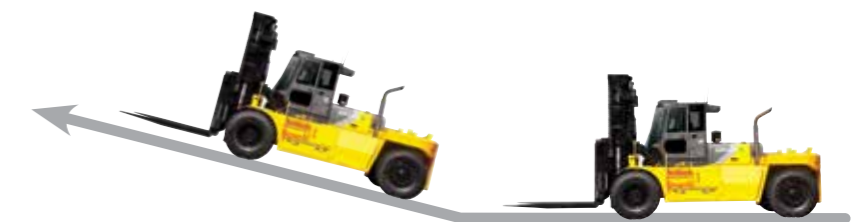
### Wet Disc Brake System

The wet disc brake system is virtually maintenance free and is enclosed to protect from dust and water.



### Increased mast tilting angle

Utilizing the mast tilting angle of 12 degrees forward and 10 degrees backward, the operator can perform loading and unloading jobs safely and rapidly.



### Max.Gradeability (loaded)

Model	%
250D-9	31.2

### Max.Travel Speed (Unloaded)

Model	Km / h
250D-9	31.5

### Faster Travel Speed & Better Gradability

The powerful engine provides greater acceleration, better gradability and faster travel speed on any tough terrains or slopes.

# Best Convenience & Optimised Ergonomics



The ergonomically designed cabin provides full support and comfort to the operator.

**250D-9**



## Spacious operator cabin

■ Some of the photos may include optional equipment.

The newly designed cabin was conceived for more space, a wider field of view and operator comfort.



## Quick Response of Operating Control Levers

Only minimal operator's effort is required for precise, safe and productive control.

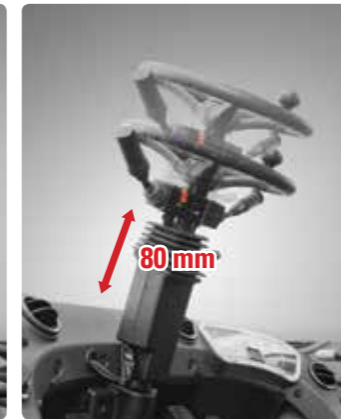
(5-Lever, 6-Function : Standard)

(5-Lever, 7-Function : Option)



## Ergonomically positioned pedals

Based on human engineering the accelerator, brake and inching pedals are optimally positioned for the operator's convenience.



## Adjustable steering column

Steering handle is adjustable depending on the operator's body shape. Adjustability of steering column makes you more comfortable.



MP3 CD Player & Remote Control



Bluetooth Hands Free Socket (Option)



Centralized Instrument switch Panel



## Luxury(Air-suspension+Heat+HeadRest) seat(Option)

An attractive and adjustable seat, based on a human engineering design, provides great comfort, safety and durability.



## High-output Air Conditioner & Heater

An air conditioner with integrated the condenser is mounted on upper side of the cabin to make a wide room in the cabin.

And an air conditioner with high-output and heater always provide you with comfortable environment when you work.

# Advanced Safety



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

**250D-9**



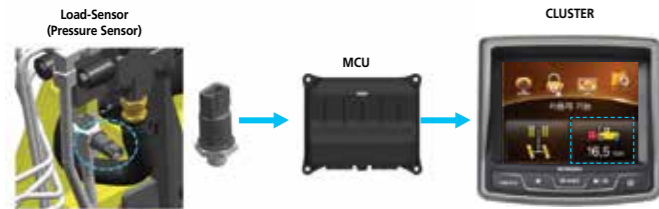
### Engine Control Mode

According to operating load, the operator can select engine mode by changing side panel switch.  
 STD Mode : Fuel reduction mode for light-duty operating load  
 POWER Mode : Heavy-duty or operating at slope



### Adjustable Engine Low Idle RPM

While engine runs, low idle rpm can be increased by unit of 25rpm and it keeps previously set rpm when engine restarts.



### Load indicator

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

### OPSS (Operator Presence Sensing System)

When the operator is not in the seat all mast and drive movements are impossible.

- Lift Lock
- Tilt Lock
- Drive Lock



■ Some of the photos may include optional equipment.



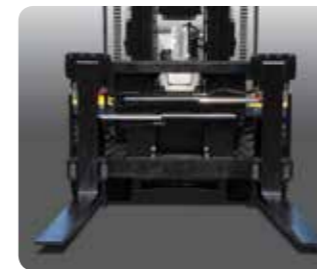
### Up-to-date Cooling System

The minimum fuel consumption and low noise are available by applying hydraulic cooling fan sensing intake air temperature, transmission oil temperature, coolant temperature and hydraulic temperature.



### Cabin Tilting Automatic System

Cabin tilting automatic system makes servicing of all power train components quick and easy. An electrically assisted hydraulic actuated cylinder tilts operator cabin to left side about 65 degrees for easy access to inside of truck components.



### Highly durable Carriage

The carriage is very strong cause of applying the high tensile structural steel which has a excellent durability.



### Large footboard & Handle

Wide "open" step offers convenience and safety when entering and exiting the truck.



### Excellent Night Work

- Various position of work lamp provides the operator more comfortable and safe operating environments.  
 - Front : fender(2), mast(4) - Rear : cab(2)  
 - LED Rear Combination Lamp



# Fast and Easy Maintenance

An ideal arrangement of components ensures easy access and convenience for maintenance.

**250D-9**



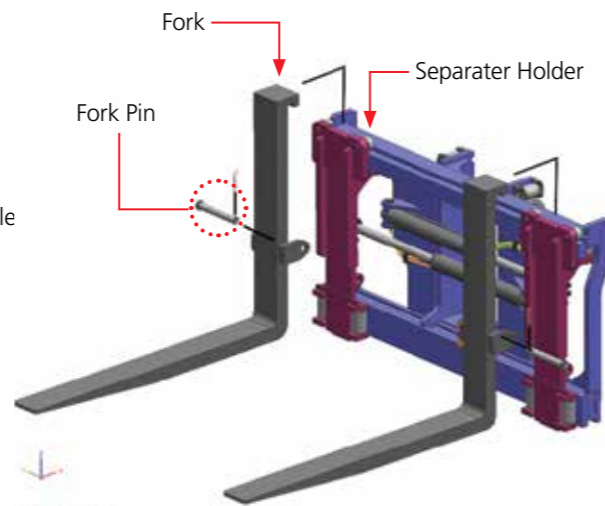
**Large Engine Hood**  
Highly accessible engine compartment assures fast and efficient maintenance.



**Easy Change Air Cleaner**  
This air filter is readily accessible for cleaning or replacement.



**Cabin Air Fresh Filter**  
The internal pressure is maintained to be slightly higher than that of outside to exclude dust and to reduce noise levels.



**Separator holder type Fork Carriage(Optional)**  
To improve handling and easily switch forks and other attachment Separator holder system is adopted as option. It is possible to install various attachments like coil ram easily.



**Hi-mate (Remote Management System)**  
Hi-mate, Hyundai's proprietary remote management system, provides operators and dealer service personnel access to vital service and diagnostic information on the machine from any computer with internet access.



**Rear View Camera**  
The rear view camera makes the operation more easy and convenient. And it supports 4camera channels.



\*Some of the photos may include optional equipment.



**Master Switch**  
A master switch disconnects the battery power to protect the electrical system from excess electrical drainage.



**Maintenance Management Display**



**Engine Start Limit**