160D-9L 180D-9B

MOVING YOU FURTHER

TZAM V m 0.8 m 0.4 m 0.2 m 0.2 m 0.2 m 2.4 m 0.2 m 0.3 m 0.3 Weight 000Sl (kg) 00091 00021 0008 0006

180D-9B Load Center (mm)

008 000 1000 1000 1300 1400 1200 1001 001 000 1000

Rear View Camera • Beacon Lamp (LED) • Bias / Radial Tire N

• Cabin • Top Wiper SMR •

• Air Compressor

0081 007

T2AM V m 0.5 m 0.4 m 0.2 T2AM 2T m 0.2 m 2.4 m 0.3 m 0.3

- Load weight indicator Air Conditioner & Heater Bluetooth Hands Free Seat : Heat, Leather

12000

13000

14000

- Rear Wheel Angle Monitoring

• Fork (L) (mm) : 1800, 2000, 2450, 3150 **Optional Items**

12000

13000

00071

00051

00091

00021

0008

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Weight (kg)

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HYUNDAI

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• MCV : 3-5pool / 4-5pool / Participation of the second state of the second seco

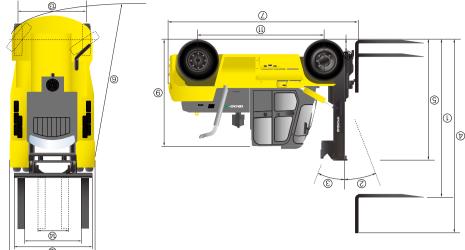
(mm) 1910-9L Load Center (mm)

800 800 1000 1100 1500 1300 1400 1200 1600

- 5-Spool, Finger tip
- Separator Holder Type Fork Carriage Sliding Carriage

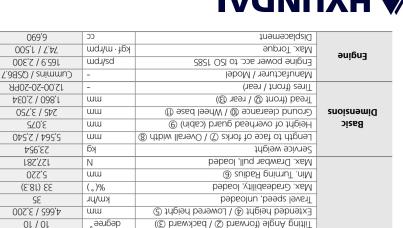
- Dimension





* All specifications in this catalog are subject to change according to the optional items.

Кg Service weight 73'624 127,281 Max. Drawbar pull, loaded Ν աա Min. Turning Radius (6) 072'S Max. Gradeability, loaded (5.81) 25 (。)% Iravel speed, unloaded , km/hr 52 4'665 / 3,200 աա Extended height 🕘 / Lowered height ⑤ 01/01 degree° Tilting Angle (forward 🖉 / backward ③) Fork carriage width 🕲 075,540 աա Identification 2,450 × 100 × 250 աա Fork dimension, I x w x h mm 430 / 360 วอร/เมน Lowering speed, loaded / unloaded oəs/ww Lift speed, loaded / unloaded 330 / 420 աա (1) theight fill mumixeM 3'050 1,200 աա Load center 000,81 Кg Values capacity Manufacturer's type designation 16-D091 Specification





6.v97 f0.e102 \ moc.97-isbnuvh.www

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005'1/2'72

165.9 / 2,300

/ '98ናስ / suiwwn'

12.00-20-20PR

1,860 / 2,034

05L'E / S7Z

520'8

2'264 / 5'240

73'624

127,281

072'S

(71) 4.05

4'665 / 3,200

01/01

075'7

2,450 × 250 × 100

430 \ 360

057/067

3,020

006

000,81

180D-9B

Rast specifications

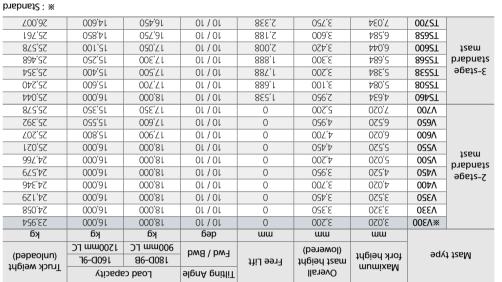
670

SPER.

SMP

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-







Your satisfaction is our priority.

Proven technology! Hyundai 9 Series diesel forklift

The Hyundai 9 Series big diesel truck is ready for the customers. Overwhelming the worksite with its superior performance and providing optimal fuel efficiency, the Hyundai 9 Series big diesel truck offers outstanding durability based on its application of high-quality hydraulic and functional components suitable for large and heavy load duties, as well as comfortable and pleasant driving space, and convenient after-sales management.

Excellent performance

- Eco-friendly, powerful, 278ps Cummins QSL9 engine
- Fully automatic ZF electronic transmission with 3 forward-reverse shift

MAA

- Wet disc brake & DIC axle
- 3-stage TS mast (OPT)

Operator presence Speed limit setting

Ensured safety at the logistics site

- Machine inclination warning

Comfortable and safe driving

- Deluxe cabin equipped with fully automatic air conditioning
- hydraulic pilot valve lever
- Load weight indicator (OPT)
- Password starting system

Convenient management

- One-touch electric motor-driven tilting cabin
- Notification of replacement of the consumable items
- Engine fault diagnosis



Power & Performance

High Efficiency, Optimal Performance

Robust, refined, and luxurious design-160D-9L, 180D-9B! Offering increased power and fuel economy, this model will be your best partner in any work environment.



Powerful and economical **Cummins QSB6.7 engine**

The six-cylinder VGT (variable-geometry turbocharger) QSB6.7 engine, equipped with the German Bosch's fuel system proven for its reliability and durability, shows lower vibration compared to other engines, delivers excellent cold-start performance, and does not emit white smoke in the winter. Moreover, its combination with the ZF transmission, optimized in fuel injection control and improved in driving efficiency, further enhances fuel efficiency and performance. In particular, you can experience increased power during

operations due to its high torque at low and medium speeds, and DOC and SCR emission aftertreatment systems have been applied to satisfy Tier 4. (requires urea solution).





high Performa

Some of the photos may include optional equipment

ZF Full-automatic transmission

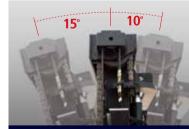
Due to optimized engine and performance of the transmission, acceleration performance in low-speed sections has improved and noise, heat generation has reduced. Also, it is possible to check the transmission status/failure etc. on the display window of the cluster





The planetary gear type, high capacity

drive axle enables outstanding power transsmission and shows exceptional adaptability to sudden changes in torque. Also, wet-type multi-plate service brake delivers consistent braking power when operations are repeated.

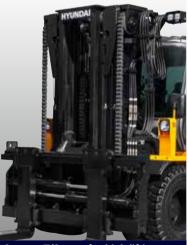




POWERFUL ENGINE

ADVINDA

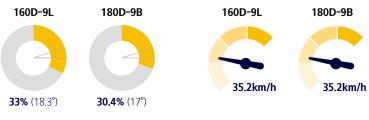
The hydraulic steering system always guarantees smooth and flexible steering, preventing over-run and kick-back. Taper roller bearings and ADI knuckles with excellent strength and wear resistance are used in consideration of heavy load operation. The newly added protector prevents damage of rear wheel hub bolts.





Gradeability and travel speed

With the best engine power, it delivers outstanding running performance and exceptional gradeability, ensuring stable operation at high speeds, on rough terrains and slopes.



Load sensing hydraulic system

Hydraulic system consisting of a Bosch's swash plate piston pump and control valve optimizes energy consumption and increases durability of engine and transmission.

Low engine RPM conversion

Depending on the need, the driver can convert the engine to a low RPM. The RPM will return to its initial settings value once engine is stopped and restarted.

Increased mast tilting angle (OPT)

Tilting speed is improved by combining some hydraulic pressure generated from the secondary pump to the primary pump flow rate. The tilting angle of 15 degrees forward and 10 degrees backward increases work efficiency.

Engine mode control

Engine performance can be adjusted to suit the workload, simply by operating a switch mounted on the side panel. STD mode : Light load operations (fuel saving mode) PWR mode : Operations on slope requiring intense power

3-stage T/S mast for high lifting (OPT)

This model provides 7 types of 3-stage masts with lifting height of 4.6-7.0m, suitable for the indoor working conditions where the truck height can be restricted by the factory entrance height. The removable free lift cylinder (first cylinder) provides wider visibility.

Max. Travel Speed (Unloaded)



Easy & Comfort

Comfortable Workspace Intuitive Monitoring

Ergonomically designed workspace for operator provides the best comfort in any type of operation.

Ergonomic operating space

11111 1111

The ergonomically designed cabin was made for more space, a wider field of view and operator comfort. The smooth lever and pedal operation, adjustable tilting handle, suspension seat and deluxe cabin provide comfortable and efficient operation.



Ergonomic pedals

productivity.

The high-quality floor mat and ergonomically

designed pedal arrangement reduce

operator fatigue and drastically improve



New style & centralized cluster

The TFT LCD color monitor indicates real-time driving information and changing vehicle stability depending on the work condition, thus allowing easy and efficient control for the operator. Diagnostic error codes allow easy trouble-shooting and the operator can select various performance modes.



Main Functions

- Urea level gauge
- T/M information display

• Engine coolant temperature warning Engine check warning lamp

Seatbelt warning

COMFORTABLE WORKSPACE

ADVANCED MO

SYSTEM

TORING

Some of the photos may include optional equipment

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Full air suspension seat (OPT)

Ergonomically designed to support a comfortable posture, the full air suspension seat relieves fatigue and enables greater comfort for operation.

Responsive levers

Responsive levers with the latest hydraulic system enables micromanipulation and excellent performance. (4-Lever : STD), (3/5 Lever : OPT)

- Parking brake indicator
- Battery charging failure warning
- Brake system overheat warning
- Air cleaner filter warning
- Machine inclination warning
- Load weight indicator
- Steering wheel position



The air-conditioner automatically adjusts temperature to the set temperature and provides more comfortable working environment for the operator.

• Exchange consumable indicator • Mast tilt angle indicator High beam indicator • T/M error warning OPSS indicator Inching indicator

Integrated communications controller

Cutting-edge communications technology enhances the operator convenience (Bluetooth hands-free, cellphone call, radio communication, USB/MP3 audio control functions).



The steering wheel can be pushed forward or backward, pushed in or out to suit the driver's body shape, providing an all

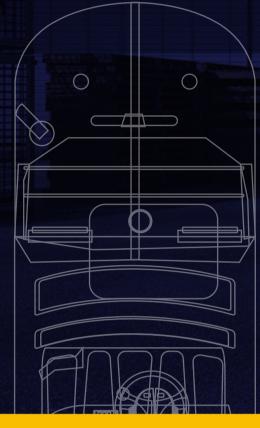
the more comfortable work environment.



Secure & Safety

Excellent visibility Advanced safety

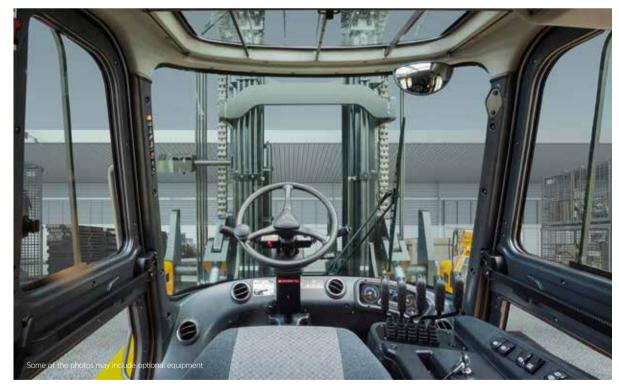
The safely designed driver's space makes your operating more comfortable.





Excellent visibility for safe operation

Optimized lift cylinder arrangement provides the operator with wider visibility. A panoramic mirror expands the driver's rear view.



Safety features

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





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. DRIVE LOCK LIFT LOCK TILT LOCK

Fork Safety Features

The down-safety valve prevents forks from dropping down in case of sudden damage of hydraulic line.



Operator presence sensing system

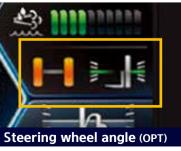
All mast and drive movements stop functioning when the operator is not in the seat.



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. Also, an alarm is emitted when the KS regulation is exceeded.



When lifting a load, a change in hydraulic pressure of the lift line is converted to a measurement of weight displayed in real time, and a warning is given at the time of overload.



As a measurement of the steering angle sensor, which is installed on the kingpin of the rear axle, is displayed on the large cluster screen as an image, the operator can predict the direction of the vehicle without difficulty.

Speed limit setting

The operator can set and limit the maximum speed from 10km/h to 30km/h.

Password starting system

The operator can set a password to prevent vehicle theft and possible safety accidents in case the vehicle is used by an unauthorized person. (Up to 10 passwords can be set.)



Four work lamps on the upper side of the mast, two headlamps on the frame fender, and two work lamps on the upper side of the counterweight enable efficient nighttime and indoor operations.



Maintenance & Convenience

Fast and Easy Maintenance & Convenience Features

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

EASY MAINTENANCE

Fully opening tilting cabin and hood

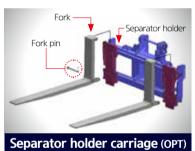
The tilting cabin that has been dramatically improved in its maintainability functions with a separate electric motor and hydraulic pump. By opening the cabin, which can be tilted to a maximum of 54 degrees, and the engine hood, which can be opened to the left or right, all functional components installed inside the chassis can easily be examined and serviced.





Variable speed and remote controlled fans reduce required engine power and noise, while the aluminum cooler improves durability and heat output.





To improve handling and easily switch forks and other attachment, separator holder system is adopted as option. It is possible to install various attachments easily.





Automatic tilting system

The cabin tilting system allows the operator to tilt the cabin with a single switch up to 54 degrees, thus enabling easy maintenance of functional devices located under the driver seat.



Cabin air cleaner filter

The air cleaner filter blocks external dust and noise from the cabin, and continuously supplies clean air indoor to maintain fresh air in the driving space.



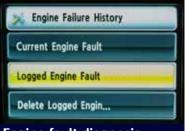
HYUNDAI

BEST CONVENIENCE

Air cleaner filter with large capacity enables longer filter life span. The operator can access the air filter easily by simply opening the engine hood.

Rear view camera (OPT)

A rear view camera and monitor are linked to the reverse gear, ensuring safer rear work environment.



Engine fault diagnosis

Details of engine fault diagnosed by the engine control unit (ECU) can be checked on the cluster.

Battery master switch

Damage is prevented during inspection/ maintenance of electronic units, and battery discharge.

item in	terval	Elepse Count		Alern
Asle Gear Oil	100		- 61	100
Transmission Oil	100	1	0	- 12
Transmission Oil F_	100			
Hydraulic Tank Al_	250	1	0	
Engine Oil	500	1		
Air Cleaner Element	500	1		

Maintenance management

Replacement cycle of consumable items can be checked on the monitor, thus preventing performance deterioration of major functional parts due to failure to notice deterioration.