

110/130/160D-9

Performance Enhanced For Tier-4 Final

MOVING YOU FURTHER

HYUNDAI HEAVY INDUSTRIES



 **HYUNDAI**
CONSTRUCTION EQUIPMENT AMERICAS, INC.

Some of the photos may include optional equipment.

Your satisfaction is **our priority!**

Hyundai introduces a new line of 9-series diesel forklift trucks.
The newly designed 4 wheel counterbalance trucks provide a great
balance of operator comfort, high productivity and easy maintenance.



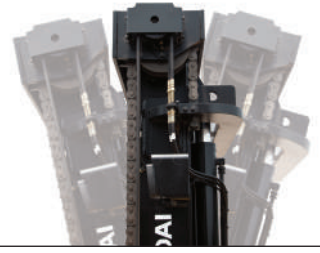
New Diesel Forklift with Proven Quality and Advanced Technology

- Maximum Performance
- Spacious Operator's cab
- Load Weight Indicator (Optional)
- OPSS System for Safe Operation
- Easy Serviceability
- Hi-mate (Remote Management System) (Optional)
- 4.3Inch Color LCD (Centralized Information Display)
- FATC (Full Automatic Temperature Control) Airconditioner (Optional)



Some of the photos may include optional equipment.

High Efficiency & Optimal Performance



Some of the photos may include optional equipment.



Cummins QSB6.7 Engine

164hp/2,300rpm

8701lb·ft/1,500rpm

Powerful Engine

The 6 cylinder turbo-charged engine is built for power, reliability and economy. This engine meets EPA Tier 4 and EU stage IV emission regulation.

Excellent Fuel Efficiency

Fuel consumption rate is improved more than the previous model.

DOC (Diesel Oxidation Catalyst)

SCR (Selective Catalytic Reduction)

EGR (Exhaust Gas Recirculation)

- High torque at low speeds
- Excellent transient behavior

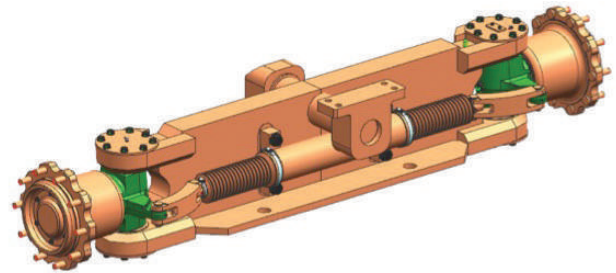
Powerful engine and advanced technology systems provide you with enhanced performance and high productivity.

110/130/160D-9



ZF Full-automatic Transmission

The ZF Full-automatic transmission gives easy, convenient handling and soft, smooth shifting. The operator can select two kinds of automatic modes. (1st↔2nd↔3rd, and 2nd↔3rd)



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)



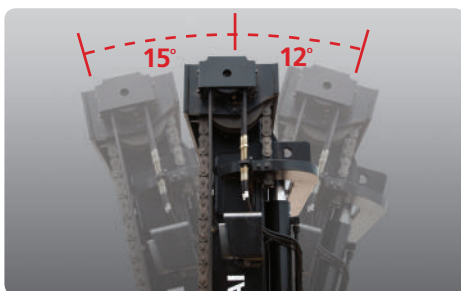
Kessler Durable drive axle

The hypoid type 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 15 degrees forward and 12 degrees backward, the operator can perform loading and unloading jobs safely and rapidly.



Max.Gradeability (loaded/Unloaded)

| Model | % |
|--------|------|
| 110D-9 | 52.1 |
| 130D-9 | 46.9 |
| 160D-9 | 37.7 |

Max.Travel Speed (Unloaded)

| Model | mph |
|--------|------|
| 110D-9 | 22.1 |
| 130D-9 | 22.1 |
| 160D-9 | 21.9 |

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 & Optimized Ergonomics



Some of the photos may include optional equipment.

Spacious Operator Cab

The new 9 series cab has been redesigned to provide more space, a wider field of view, and greater operator comfort.



MP3 CD Player



Bluetooth Hands Free Remote Control Socket (Optional)



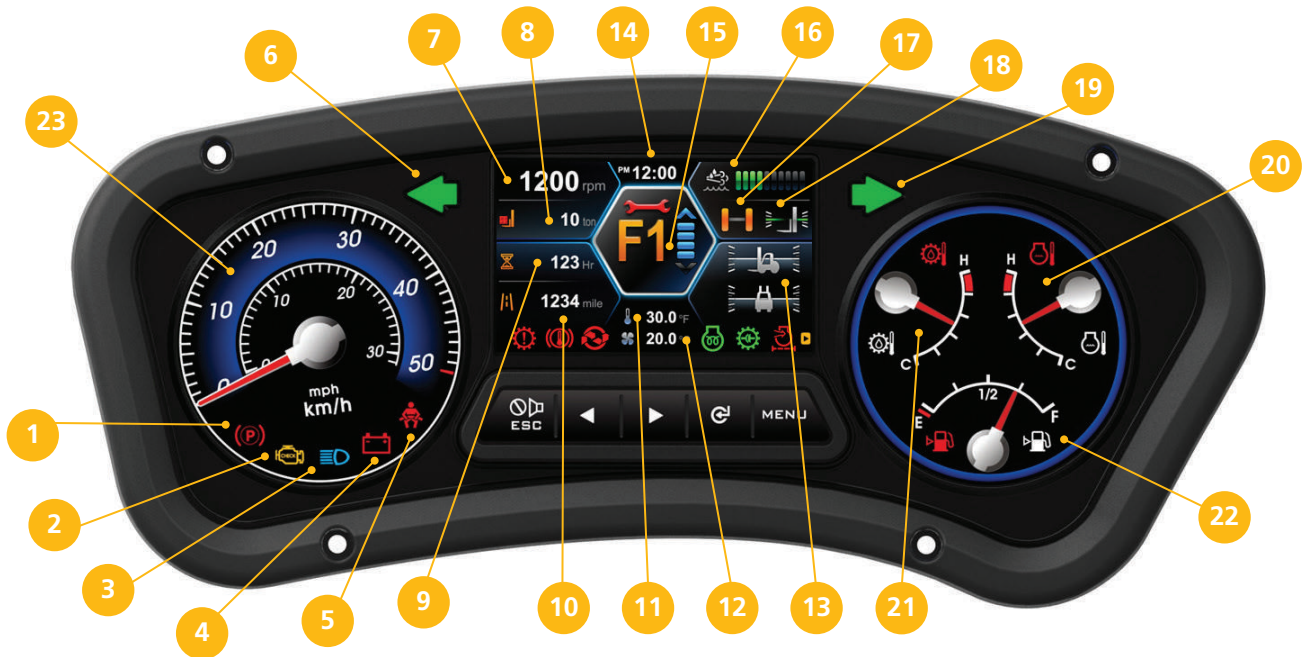
Centralized Instrument Switch Panel



Luxury (Air-suspension+Heat+HeadRest) Seat (Optional)
An attractive and adjustable seat, based on a human engineering design, provides great comfort, safety and durability.

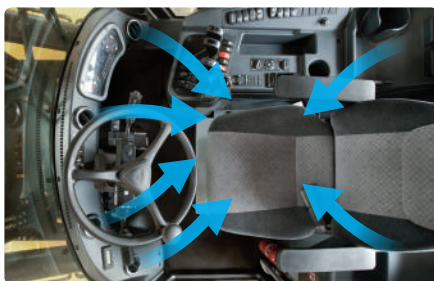
The advanced instrumentation and ergonomically sound cab provides full support and comfort to the operator.

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New Design Cluster

| | | | | | |
|----|----------------------------------|----|----------------------------------|----|------------------------------------|
| 1 | Parking lamp | 2 | Engine check warning lamp | 3 | High beam indicator lamp |
| 4 | Operator presence indicator lamp | 5 | Seat belt warning lamp | 6 | Left turn signal indicator lamp |
| 7 | Engine RPM indicator | 8 | Load weight indicator(option) | 9 | Hour meter |
| 10 | Odometer | 11 | Outside temperature indicator | 12 | Air-con setting temp. indicator |
| 13 | Vehicle tilt angle indicator | 14 | Clock | 15 | T/M information display |
| 16 | Urea level gauge | 17 | Rear wheel angle(option) | 18 | Mast tilt angle indicator |
| 19 | Right turn signal indicator lamp | 20 | Engine coolant temperature gauge | 21 | Transmission oil temperature gauge |
| 22 | Fuel gauge | 23 | Speed gauge | | |



Full Climate Control Air Conditioner & Heater (Optional)

Air Vent positions of the air conditioner with the integrated condenser are mounted front and rear to increase room in the cab. The new climate controller heater and air conditioner provides high output to quickly heat or cool, and then maintain the desired comfort level of the operator.



Adjustable Steering Column

Steering handle is adjustable to the operator's body shape. Infinite adjustability of steering column fits any size operator.



Smooth Response Operating Control Levers

Minimal effort is required for precise, safe and productive control. (4 Lever : Standard), (3/5 Lever : Option)

Advanced Safety



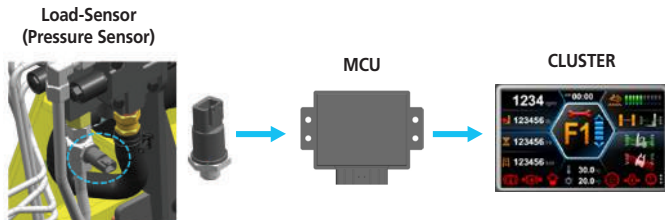
Engine Control Mode

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



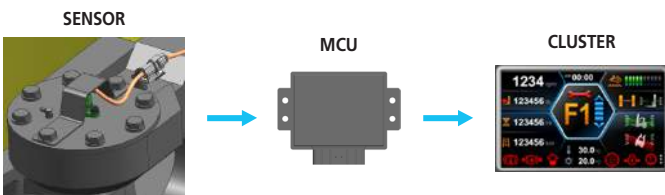
Adjustable Engine Low Idle RPM

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



Weight Indicator (Optional)

The optional Weight 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.



Rear Wheel Angle Monitoring (Optional)

- indicate steering wheel angle for easy operation
- Real-time steering wheel angle display



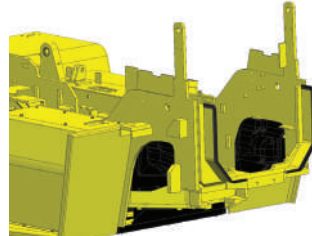
Up-to-date Cooling System

The minimum fuel consumption and low noise are achievable by applying a hydraulic cooling fan with sensors for intake air temperature, transmission oil temperature, coolant temperature and hydraulic temperature.



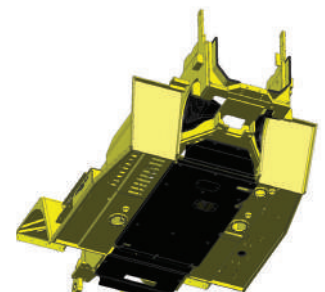
Electric Tilting Cab

The electric tilting cab 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.



Rear Tire Cover

The Rear tire cover with PE material is equipped to prevent clogging of the radiator from foreign substances.



Undercover (Optional)

The Under cover protects the engine and components from ground dust.

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

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**OPSS
(Operator Presence Sensing System)**

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

- Lift Lock
- Tilt Lock
- Drive Lock



Some of the photos may include optional equipment.



Highly Durable Mast & Carriage Side Roller
Side roller with great durability for mast and carriage is included.



Highly Durable Carriage
The carriage is constructed of the high tensile structural steel which has excellent durability. The width of carriage is narrower than overall width of the vehicle, which helps maneuvering in tight spaces.



Excellent Night Work
- Multiposition work lamps provide the operator with great lighting for safe operating.
- Front : fender(2), mast(4)
- Rear : cab(2)
- LED Rear Combination Lamp in tight spaces.

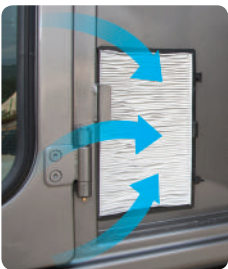
Fast and Easy Maintenance



Large Engine Hood

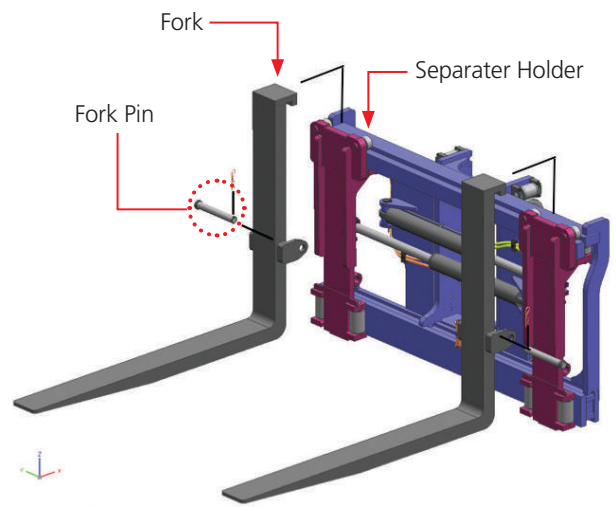
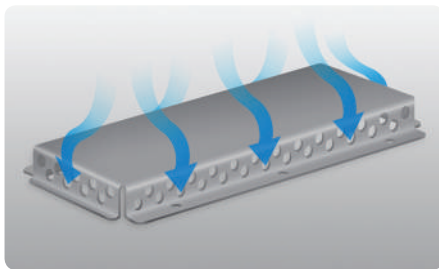
Highly accessible engine compartment assures fast and efficient maintenance.

Some of the photos may include optional equipment.



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.

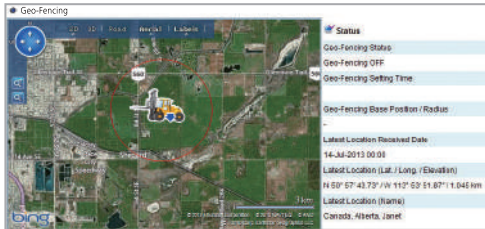


Separator Holder Type Fork Carriage (Optional)

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.

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

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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.

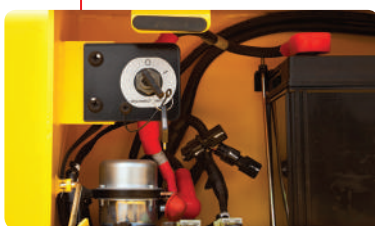


Rear View Camera (Optional)

The rear view camera supports 4 camera channels to provide great rear visibility.

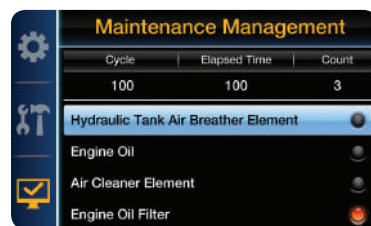


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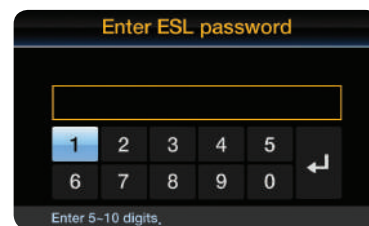


Master Switch

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



Maintenance Management Display



Engine Start Limit

New 9 Series

Mast Specification (110D-9)

| Mast Type | | Maximum Fork Height (in) | Overall Height Lowered (in) | Tilt Angle (deg) Fwd / Bwd | Load capacity (24in LC)(lb) | Truck Weight Unloaded (lb) |
|----------------------------------|-------|--------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|
| 2-Stage Limited Free Lift | V280 | 110.4 | 114.2 | 15 / 12 | 24,251 | 35,807 |
| | *V300 | 118.3 | 118.1 | 15 / 12 | 24,251 | 35,880 |
| | V330 | 130.1 | 124.0 | 15 / 12 | 24,251 | 35,048 |
| | V350 | 138.0 | 128.0 | 15 / 12 | 24,251 | 36,156 |
| | V400 | 157.7 | 139.8 | 15 / 12 | 24,251 | 36,714 |
| | V450 | 117.4 | 149.6 | 15 / 12 | 24,251 | 36,989 |
| | V500 | 197.0 | 161.4 | 15 / 12 | 24,251 | 37,318 |
| | V550 | 216.7 | 171.3 | 15 / 12 | 24,251 | 37,827 |
| | V600 | 236.4 | 183.1 | 15 / 12 | 24,251 | 38,162 |
| | V650 | 256.1 | 192.9 | 15 / 12 | 24,251 | 38,455 |
| V700 | 275.8 | 202.8 | 15 / 12 | 10,820 | 38,744 | |
| 2-Stage Full Free Lift | VS300 | 119.2 | 118.1 | 10 / 10 | 24,251 | 36,264 |
| | VS350 | 138.9 | 128.0 | 10 / 10 | 24,251 | 36,572 |
| | VS400 | 158.6 | 137.8 | 10 / 10 | 24,251 | 36,886 |
| | VS450 | 178.3 | 147.6 | 10 / 10 | 24,251 | 37,207 |
| | VS500 | 198.0 | 157.5 | 10 / 10 | 24,251 | 37,774 |
| | VS550 | 217.6 | 167.3 | 10 / 10 | 24,251 | 38,255 |
| 3-Stage Full Free Lift | VS600 | 237.3 | 181.1 | 10 / 10 | 24,251 | 38,797 |
| | TS450 | 178.0 | 116.1 | 10 / 10 | 24,251 | 38,371 |
| | TS500 | 197.8 | 122.7 | 10 / 10 | 24,251 | 38,572 |
| | TS550 | 217.5 | 129.3 | 10 / 10 | 24,251 | 38,775 |
| | TS600 | 237.2 | 139.8 | 10 / 10 | 24,251 | 39,095 |
| | TS650 | 256.9 | 146.4 | 10 / 10 | 23,634 | 39,297 |
| | TS700 | 276.6 | 154.9 | 10 / 10 | 22,834 | 39,829 |
| TS750 | 296.3 | 161.5 | 10 / 10 | 22,223 | 40,032 | |

Mast Specification (130D-9)

| Mast Type | | Maximum Fork Height (in) | Overall Height Lowered (in) | Tilt Angle (deg) Fwd / Bwd | Load capacity (24in LC)(lb) | Truck Weight Unloaded (lb) |
|----------------------------------|-------|--------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|
| 2-Stage Limited Free Lift | V280 | 110.4 | 114.2 | 15 / 12 | 28,660 | 37,386 |
| | *V300 | 118.3 | 118.1 | 15 / 12 | 28,560 | 37,459 |
| | V330 | 130.1 | 124.0 | 15 / 12 | 28,560 | 37,626 |
| | V350 | 138.0 | 128.0 | 15 / 12 | 28,560 | 37,737 |
| | V400 | 157.7 | 139.8 | 15 / 12 | 28,560 | 38,292 |
| | V450 | 177.4 | 149.6 | 15 / 12 | 28,560 | 38,568 |
| | V500 | 197.0 | 161.4 | 15 / 12 | 28,560 | 38,898 |
| | V550 | 216.7 | 171.3 | 15 / 12 | 28,560 | 39,405 |
| | V600 | 236.4 | 183.1 | 15 / 12 | 27,800 | 39,736 |
| | V650 | 256.1 | 192.9 | 15 / 12 | 27,007 | 40,033 |
| 2-Stage Full Free Lift | V700 | 275.8 | 202.8 | 15 / 12 | 26,235 | 40,323 |
| | VS300 | 119.2 | 118.1 | 10 / 10 | 28,560 | 37,845 |
| | VS350 | 138.9 | 128.0 | 10 / 10 | 28,560 | 38,153 |
| | VS400 | 158.6 | 138.8 | 10 / 10 | 28,560 | 38,464 |
| | VS450 | 178.3 | 147.6 | 10 / 10 | 28,560 | 38,786 |
| | VS500 | 198.0 | 157.35 | 10 / 10 | 28,560 | 39,353 |
| | VS550 | 217.6 | 167.3 | 10 / 10 | 27,866 | 39,833 |
| 3-Stage Full Free Lift | VS600 | 237.3 | 181.1 | 10 / 10 | 26,896 | 40,378 |
| | TS450 | 178.0 | 116.1 | 10 / 10 | 28,560 | 40,093 |
| | TS500 | 197.8 | 122.7 | 10 / 10 | 28,351 | 40,294 |
| | TS550 | 217.5 | 129.3 | 10 / 10 | 27,514 | 40,497 |
| | TS600 | 237.1 | 139.8 | 10 / 10 | 26,675 | 40,816 |
| | TS650 | 256.9 | 146.4 | 10 / 10 | 25,904 | 41,019 |
| | TS700 | 276.6 | 154.9 | 10 / 10 | 25,089 | 41,551 |
| TS750 | 296.3 | 161.5 | 10 / 10 | 24,383 | 41,753 | |

Mast Specification (160D-9)

| Mast Type | | Maximum Fork Height (in) | Overall Height Lowered (in) | Tilt Angle (deg) Fwd / Bwd | Load capacity (24in LC)(lb) | Truck Weight Unloaded (lb) |
|---------------------------|-------|--------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|
| 2-Stage Limited Free Lift | V295 | 116.1 | 116.1 | 15 / 12 | 35,274 | 43,385 |
| | *V300 | 118.5 | 128.0 | 15 / 12 | 35,274 | 43,746 |
| | V330 | 130.3 | 133.9 | 15 / 12 | 35,274 | 43,954 |
| | V350 | 138.2 | 137.8 | 15 / 12 | 35,274 | 44,053 |
| | V400 | 157.9 | 147.6 | 15 / 12 | 35,274 | 44,689 |
| | V450 | 177.6 | 157.5 | 15 / 12 | 35,274 | 45,027 |
| | V500 | 197.2 | 169.3 | 15 / 12 | 35,274 | 45,431 |
| | V550 | 216.9 | 179.1 | 15 / 12 | 35,274 | 46,022 |
| | V600 | 236.6 | 190.9 | 15 / 12 | 35,274 | 46,423 |
| 2-Stage Full Free Lift | V650 | 256.3 | 201.8 | 15 / 12 | 34,613 | 46,789 |
| | V700 | 276.0 | 211.6 | 15 / 12 | 33,665 | 47,124 |
| | VS300 | 118.5 | 126.0 | 10 / 10 | 35,274 | 43,810 |
| | VS330 | 130.3 | 131.9 | 10 / 10 | 35,274 | 43,984 |
| | VS350 | 138.2 | 135.8 | 10 / 10 | 35,274 | 44,128 |
| | VS400 | 157.9 | 145.7 | 10 / 10 | 35,274 | 44,487 |
| | VS450 | 177.6 | 155.5 | 10 / 10 | 35,274 | 45,051 |
| 3-Stage Full Free Lift | VS500 | 197.2 | 167.3 | 10 / 10 | 35,274 | 45,488 |
| | VS550 | 216.9 | 177.2 | 10 / 10 | 35,274 | 45,916 |
| | VS600 | 236.6 | 189.0 | 10 / 10 | 35,274 | 46,491 |
| | TS450 | 177.8 | 116.1 | 10 / 10 | 35,274 | 46,178 |
| | TS500 | 197.5 | 124.7 | 10 / 10 | 35,274 | 46,621 |
| | TS550 | 217.1 | 131.2 | 10 / 10 | 34,568 | 46,947 |
| | TS600 | 236.9 | 139.8 | 10 / 10 | 33,554 | 47,380 |
| 3-Stage Full Free Lift | TS650 | 256.6 | 146.3 | 10 / 10 | 32,628 | 47,728 |
| | TS700 | 276.2 | 154.8 | 10 / 10 | 31,658 | 48,418 |
| | TS750 | 295.9 | 161. | 10 / 10 | 30,777 | 48,77 |

Optional Items

· Fork (L x W x T) (in)

110D-9 :

3.0 x 7.9 x 47.2 / 3.0 x 7.9 x 59 / 3.0 x 7.9 x 65 /
3.0 x 7.9 x 71 / 3.0 x 7.9 x 83 / 85 x 7.9 x 96 / 85 x 7.9 x 102

130D-9 :

85 x 7.9 x 147.2 / 85 x 7.9 x 59 / 85 x 7.9 x 65 /
85 x 7.9 x 71 / 85 x 7.9 x 83 / 85 x 7.9 x 96 / 3.5 x 7.9 x 102

160D-9 :

3.5 x 7.9 x 47.2 / 3.5 x 7.9 x 59 / 3.5 x 7.9 x 65 /
3.7 x 7.9 x 71 / 3.7 x 7.9 x 83 / 3.7 x 7.9 x 96 / 100 x 7.9 x 102

· **MAST** : Simplex Mast / Duplex Mast / Triplex Mast

· **Over Shoe** : 71 / 79 / 94 / 102

· **MCV** : 3-Spool / 4-Spool / 5-Spool

· **Fork Positioner** : ø82 / ø100

· **Integral Side Shift**

· **Integral Side Shift + Fork Positioner**

· **Separator Holder Type Fork Carriage**

· **Hydraulic Line** : 3-Spool / 4-Spool / 5-Spool

· **Wide Carriage (107 in) (160D-9)**

· **Air Compressor**

· **Seat** : Heat, Leather / KAB Air-Suspension Heat Seat

· **Bluetooth Hands Free**

· **Beacon Lamp (LED)**

· **Additional Counterweight Option (160D-9 only)**

· **Air Conditioner & Heater**

· **Rear View Camera**

· **Weight Indicator**

· **Solid Tire**

· **Top Wiper**

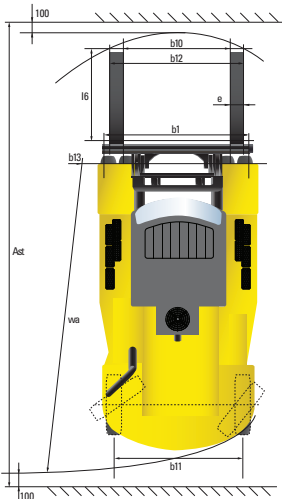
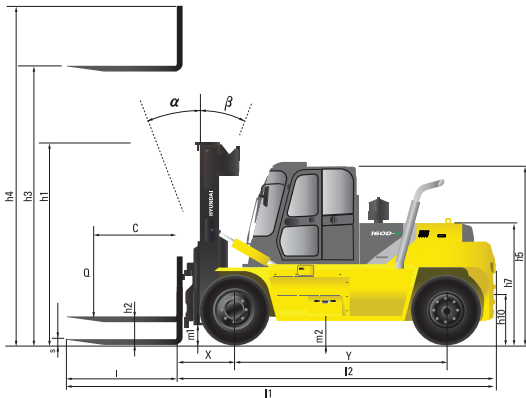
· **RMS(Remote Management System)**

· **Rear Wheel Angle Monitoring**

· **Cab**

New 9 Series

Dimension



Specification

Identification

| | | HYUNDAI | HYUNDAI | HYUNDAI |
|-----|--|-----------|---------|---------|
| 1.1 | Manufacturer | HYUNDAI | HYUNDAI | HYUNDAI |
| 1.2 | Manufacturer's type designation | 110D-9 | 130D-9 | 160D-9 |
| 1.3 | Drive : electric (battery or mains) ,diesel, petrol ,fuel gas, manual | DIESEL | DIESEL | DIESEL |
| 1.4 | Type of operation : hand, pedestrian, standing, seated, order - picker | seated | seated | seated |
| 1.5 | Load capacity / rated load | lb 25,000 | 29,000 | 35,000 |
| 1.6 | Load center distance | c in | 24 | 24 |
| 1.8 | Load distance, center of drive axle to fork | x in | 30 | 32 |
| 1.9 | Wheelbase | y in | 120 | 136 |

Weights

| | | lb | 35,880 | 37,459 | 43,746 |
|-----|--------------------------------------|----|-----------------|-----------------|-----------------|
| 2.1 | Service weight | lb | 35,880 | 37,459 | 43,746 |
| 2.2 | Axle loading, loaded front / rear | lb | 52,823 / 7,308 | 59,029 / 7,090 | 70,568 / 8,453 |
| 2.3 | Axle loading , unloaded front / rear | lb | 17,758 / 18,120 | 17,611 / 19,848 | 20,825 / 22,919 |

Wheels, Chassis

| | | Pneumatic | Pneumatic | Pneumatic |
|-----|--|---------------|---------------|---------------|
| 3.1 | Pneumatic, Solid | Pneumatic | Pneumatic | Pneumatic |
| 3.2 | Tires size, front | 10.00-20-16PR | 10.00-20-16PR | 12.00-20-18PR |
| 3.3 | Tires size, rear | 10.00-20-16PR | 10.00-20-16PR | 12.00-20-18PR |
| 3.5 | Wheels, number front rear(x = driven wheels) | 4 x 2 | 4 x 2 | 4 x 2 |
| 3.6 | Track width, front | in | 73 | 73 |
| 3.7 | Track width, rear | in | 75 | 77 |

Basic Dimensions

| | | degrees | 15 / 12 | 15 / 12 | 15 / 12 |
|------|---|--------------|------------|------------|------------|
| 4.1 | Mast / fork carriage tilt forward / backward | degrees | 15 / 12 | 15 / 12 | 15 / 12 |
| 4.2 | Lowered mast height | h1 in | 118 | 118 | 128 |
| 4.3 | Lift height | h3 in | 118 | 118 | 119 |
| 4.4 | Extended mast height | h4 in | 176 | 176 | 185 |
| 4.5 | Overhead guard (cab) height | h5 in | 77 | 77 | 78 |
| 4.6 | Seat height / rel. to SIP | h7 in | 70 | 70 | 72 |
| 4.7 | Coupling height | h10 in | 22 | 22 | 24 |
| 4.8 | Overall length | l1 in | 233 | 233 | 253 |
| 4.9 | Length to face of forks | l2 in | 180 | 180 | 200 |
| 4.10 | Overall width | b1 in | 96 | 96 | 98 |
| 4.11 | Fork dimensions | s / e / l in | 3 x 8 x 53 | 3 x 8 x 53 | 4 x 8 x 53 |
| 4.12 | Fork - carriage width | b3 in | 93 | 93 | 98 |
| 4.13 | Ground clearance, loaded, under mast | m1 in | 10 | 10 | 10 |
| 4.14 | Ground clearance, centre of wheelbase | m2 in | 13 | 13 | 15 |
| 4.15 | Aisle width for pallets 1,000 x 1,200 crossways | Ast in | 262 | 262 | 287 |
| 4.16 | Aisle width for pallets 800 x 1,200 lengthways | Ast in | 262 | 262 | 287 |
| 4.17 | Turning radius | Wa in | 171 | 171 | 193 |
| 4.18 | Smallest pivot point distance | in | 64 | 64 | 73 |

Performance Data

| | | mph | 22 | 22 | 22 |
|------|---------------------------------|--------|----------------|----------------|----------------|
| 5.1 | Travel speed, unloaded | mph | 22 | 22 | 22 |
| 5.2 | Lift speed, loaded/ unloaded | ft/min | 86 / 100 | 85 / 100 | 69 / 89 |
| 5.3 | Lowering speed, loaded/unloaded | ft/min | 100 / 91 | 100 / 91 | 85 / 77 |
| 5.5 | Drawbar pull, Loaded | KN | 135 | 137 | 136 |
| 5.7 | Gradient performance, Loaded | % | 52.1 | 46.9 | 37.7 |
| 5.10 | Service brake | | Wet, Hydraulic | Wet, Hydraulic | Wet, Hydraulic |

Engine

| | | Cummins QSB6.7 | Cummins QSB6.7 | Cummins QSB6.7 |
|-----|------------------------------------|------------------|----------------|----------------|
| 6.1 | Engine manufacturer / type | Cummins QSB6.7 | Cummins QSB6.7 | Cummins QSB6.7 |
| 6.2 | Engine power acc. to ISO 1585 | hp | 164 | 164 |
| 6.3 | Rated speed | 1/min | 2,300 | 2,300 |
| 6.4 | No. of cylinder / cubic capacity | /in ³ | 6 / 408 | 6 / 408 |
| 6.5 | Fuel consumption acc. To VDI cycle | ℓ/h | 11.1 | 11.4 |

Other Details

| | | Power Shift | Power Shift | Power Shift |
|-----|---|-------------|-------------|-------------|
| 8.1 | Type of drive control | Power Shift | Power Shift | Power Shift |
| 8.2 | Operating pressure for attachments(system/attach) | 210 / 165 | 210 / 165 | 210 / 165 |
| 8.3 | Oil volume for attachments | ℓ/min | 159 | 179 |
| 8.4 | Sound level at driver's ear according to DIN 12 053 | | 73.5 | 73.5 |



6100 Atlantic Blvd Norcross, GA 30071
TEL (678) 823 7777 FAX (678) 823 7778

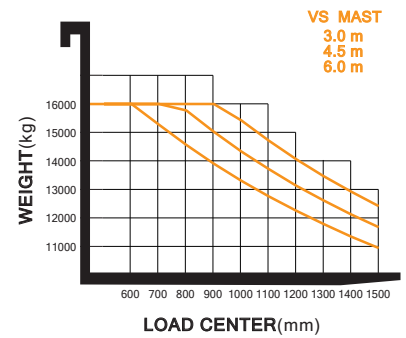
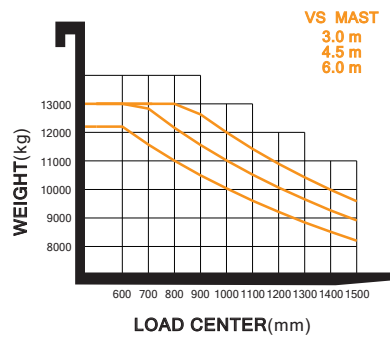
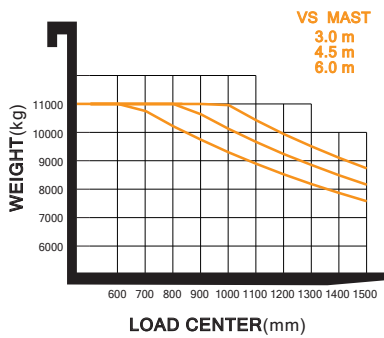
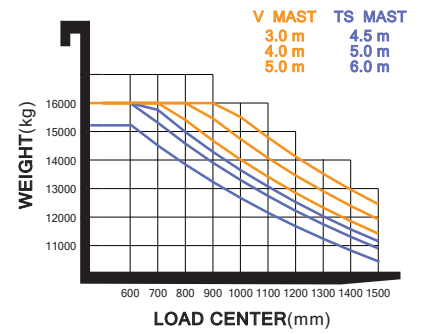
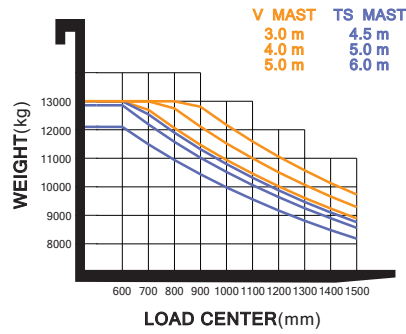
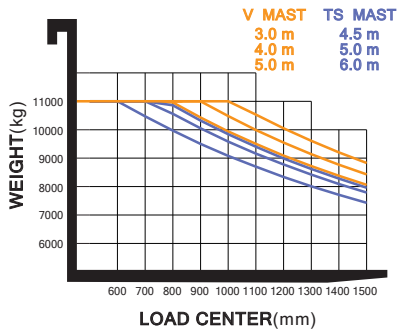
PLEASE CONTACT

Load Capacity

110D-9

130D-9

160D-9



Various Attachments

Side Shift

Hinged Fork

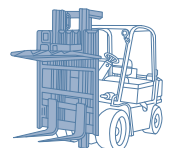
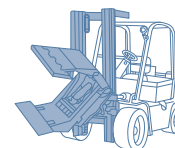
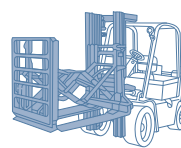
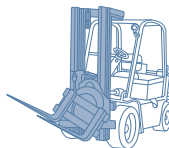
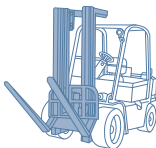
Hinged Bucket

Rotating Fork

Push Pull

Rotating Roll Clamp

Load Stabilizer



Carton Clamp

Pallet Invert

Drum Clamp

Bale Clamp

Load Extender

Fork Positioner

