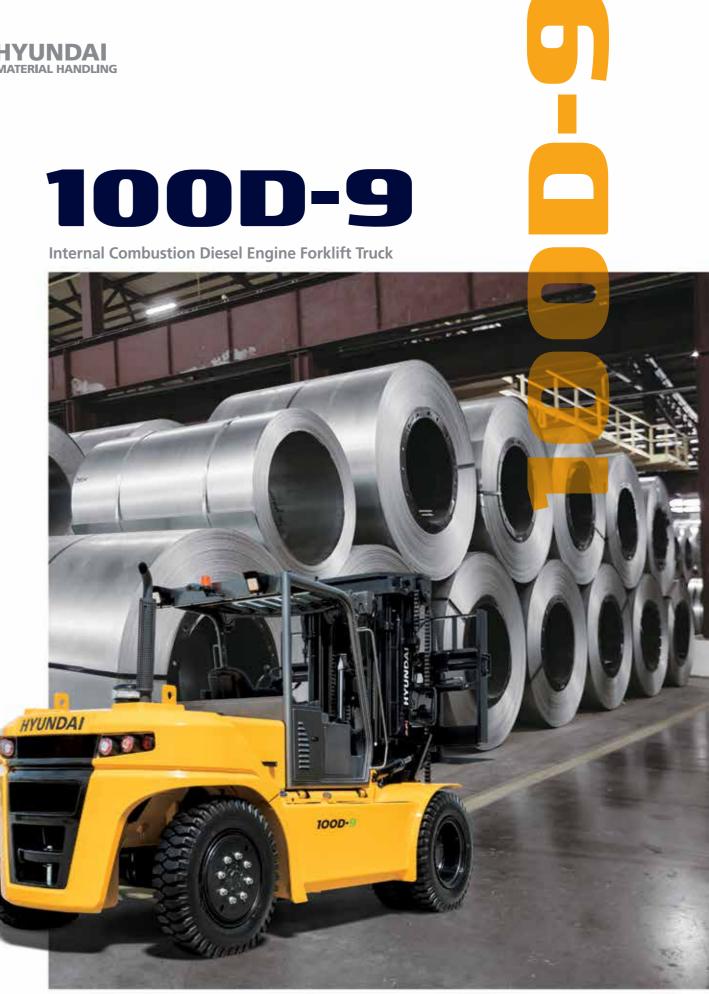
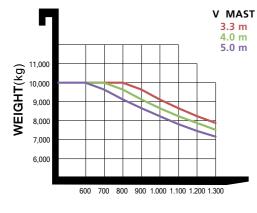
| | | | 10 | 00D-9 | | | | |
|---------------------------------|-------|---|------------------|-----------|-----|---------------|--------------|--------|
| Mast Type | | Maximum Overall Height Fork Height (Lowered) F | Free Lift Height | Mast Tilt | | Load capacity | Truck Weight | |
| | | | Thee Life Height | Fwd | Bwd | 600mm LC | (Unloaded) | |
| | | mm | mm | mm | deg | deg | kg | kg |
| | V300 | 3,025 | 2,850 | 150 | 15 | 10 | 10,000 | 12,781 |
| | V350 | 3,525 | 3,100 | 150 | 15 | 10 | 10,000 | 12,842 |
|) Ctore | V400 | 4,025 | 3,400 | 150 | 15 | 10 | 10,000 | 12,915 |
| 2 Stage Limited Free Lift | V450 | 4,525 | 3,650 | 150 | 15 | 10 | 10,000 | 13,092 |
| | V500 | 5,025 | 3,900 | 150 | 15 | 10 | 10,000 | 13,153 |
| | V550 | 5,525 | 4,200 | 150 | 15 | 10 | 9,000 | 13,227 |
| | V600 | 6,025 | 4,450 | 150 | 15 | 10 | 8,000 | 13,373 |
| | TS450 | 4,535 | 2,995 | 1,665 | 15 | 10 | 9,700 | 13,655 |
| 2 Stage | TS500 | 5,035 | 3,195 | 1,865 | 15 | 10 | 9,400 | 13,785 |
| 3 Stage Full Free Lift | TS550 | 5,535 | 3,395 | 2,065 | 15 | 10 | 8,600 | 13,898 |
| | TS600 | 6,035 | 3,595 | 2,265 | 15 | 10 | 7,800 | 14,107 |
| | TS750 | 7,535 | 4,195 | 2,865 | 15 | 6 | 7,000 | 14,427 |

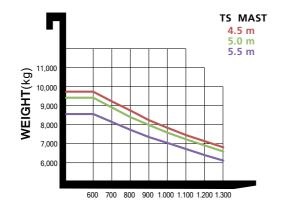




100D-9 - Start of a change in the 10-ton forklift market!

100D-9 is an innovative product that can reshape the market with its optimum fuel efficiency that satisfies Tier 3 Regulations, powerful performance, differentiated convenience, and convenient maintenance.







www.hyundai-mh.com

2022. NOV

PRODUCT FEATURES OVERVIEW



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

High torque and work efficiency in mid-/low-speed sections



Higher fuel efficiency than 80D-9

-

-

100D--

Environment-Friendly

- Tier 3 regulations on gas and achieves both eco-friendliness and operating expenses reduction with improved fuel efficiency.
- Cummins F3.8 engines

Innovative cost-effectiveness and reliable durability

- Significant TCO reduction 3.2% higher fuel efficiency than 80D-9(Tier 4 Final)
- High torque property in mid-/low-speed sections

1

- HG F80 T/M controlled by MCU - Control of response, transmission time, and inching property
- Auto & Manual shifting mode
- Selection of engine working mode according to working conditions
- "PWR/STD mode" "idle RPM up/down"





- Auto-parking brake - Automatically started when the engine is stopped or **OPSS** is running

- Road slope warning - Alarm warning when the road slope exceeds the standard
- Password-start limit

- Designed for high accessibility to the no.4 and no.5 levers by arranging levels in 5 degrees

Easy and convenient follow-up management

- Restricting cabin tilting when opening the passenger door to prevent cabin damage accidents

- Main control valve with emergency lowering function



Differentiated safety specifications

- OPSS Restricted driving, lift and tilt operation
- Seat belt interlock Option - The forklift cannot be operated when the seat belt is not worn
- Prevents theft by prohibiting forklift operation by
- an unauthorized operator

Prominent driving comfort specifications

- · Remote control-type hydraulic control valve
- Light and precise control by 0.5kg lever operation
- Deluxe cabin with improved convenience and pleasant
- work environment Option
- Wide and clean surrounding work view
- A/C and heater included
- Achievement of low indoor noise level (73.3dB)
- Air suspension / swivel seat Option
- Auto-tilting cabin that opens up to 52 degrees
- Innovative reduction of maintenance time
- Easily accessible Fuse & Relay Box



100D-9

Eco-friendly Cummins F series engine

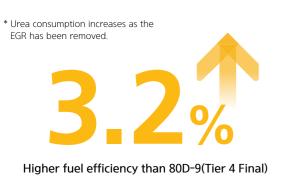
Cummins QSF Series Engine is globally mounted in heavy equipment and complies with Tier 3 Regulations. Its powerful torque property in mid-/low-speed sections shows excellent fuel efficiency in rapid and efficient complex work and heavyduty traction work.



| | 100D-9 |
|-----------------------|----------------|
| Model/cc | QSF3.8/3,726cc |
| Rated Power(kw/rpm) | 94.8/2,200 |
| Max. torque(kg-m/rpm) | 51/1,500 |

Innovative reduction of operating expenses

With displacement optimized for forklifts and high torque in mid/low-speed sections, 100D-9V offers higher fuel efficiency than 80D-9.

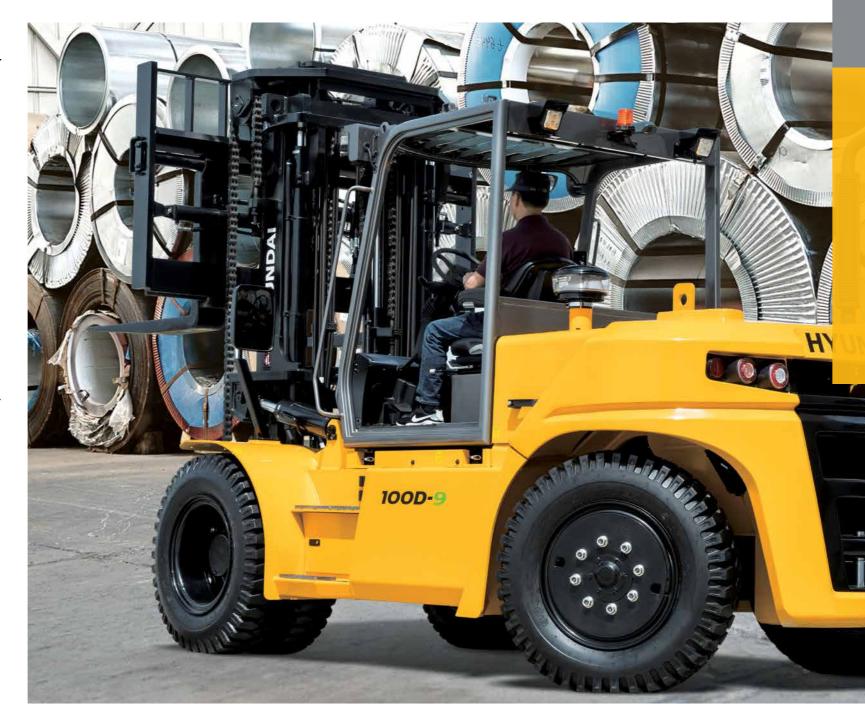


• Fuel economy is based on our internal tests (VDI 2198) and may be different from actual operation.

HG Transmission (F80)

F80 T/M of HG consisting of F2/R1 and 2 stator-type torque convertor is controlled by MCU, with the inner parts protected from impacts during travel and direction change (DCSR).





Engine output selection button

- ① PWR/STD button STD mode is set to 80% output of PWR mode and can be selected according to the work conditions.
- (2) Idle RPM Up/Down button When slowly lifting cargo without stepping on the accelerator pedal, the engine output can be supplemented. (Adjustable by increments of 25 RPM)



Kessler Drive axle (D41)

The D41 drive axle of a German heavy equipment company Kessler is mounted. This drive axle contains semi-permanent wet disc brake and SAHR caliper-type auto-parking brake.



ENVIROMENT FRIENDLY GREAT PRODUCTIVITY, DURABILITY



An eco-friendly engine ensures both cost-effectiveness and work efficiency!

Check out the flawless performance of 100D-9 only.



Generally, the 3-stage mast causes inconvenience in securing a clear front view due to the primary cylinder in the center. The 3-stage TS mast provides wider work sight by placing the primary cylinder on the left and right sides.



100D-9

Password Setting

A password can be set to prevent unauthorized driving by an outsider and theft of the forklift. If the password is set, the engine cannot be started without the password.



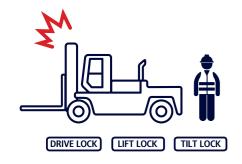
Auto-parking brake

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.



OPSS system

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



Additional options for safety

- Auto-tilting Automatically maintaining the level of the fork and the ground
- Seatbelt interlock–Forcing the wearing of seat belt to preventsecondary accidents



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.



Large side mirror with hot wires Option

A large side mirror is installed on the front wheel fender to secure a wider rear view. In addition, heat wires were inserted into the side mirror to cope with rain or snow.



ENHANCED SAFETY

SAFETY

Safety at the logistics site is most important. The safe and differentiated design ensures safety of the logistics site.

Displaying the road slope (STD) and overload alarm Option

The road slope is sensed and displayed in real time. When the set value is exceeded, the symbol turns red, and a warning buzzer goes off. In addition, the optional cargo weighing device issues an alarm for safety in case of overload.



100D-9

Maximized operation convenience -Differentiated cabin Option

Higher levels of convenience and work efficiency are provided with the configuration of remotely controlled hydraulic lever, electrical inching system, and full suspension seat.

Auto shifting system

A transmission control program is installed on the digital cluster for automatic gear shifting of the first and second gears depending on the rotation rate of transmission-out shaft to prevent the reduction of service life of transmission caused by forced start at forward second gear. (Switching to manual mode allowed)



Air suspension / swivel seat Option

"Air suspension" that provides optimal riding comfort and the "swivel seat" which will improve reverse driving and convenience of getting on/off as the seat can be rotated 20 degrees to the right and 10 degrees to the left are provided as an option.

* Basic specification: Full-suspension Grammer seat



Multi-functional digital display

A new cluster is applied for improved visibility of the main information needed for equipment operation. The cluster has integrated MCU for various settings and control for efficient operation and safety of the equipment on the LCD.





Easy-to-use steering handle

The problem of heavy handle when handling abruptly is improved, as now the handle can be adjusted up and down by 85mm and front and back by 36 degrees. In addition, the work convenience of the driver is improved with the handle diameter being reduced down to 35mm.



Improved emotional quality of operation-RCV

It boasts of soft operability, wide precise control section, and independent load sensing function, with the no.4 and no.5 levers arranged in 5 degrees from horizontal plane focused on RCV for convenient operation providing a guaranteed satisfaction.



OUTSTANDING OPERABILITY ERGONOMICS



Inching and brake pedal that are easy to operate and efficiently placed air vent

Fatigue accumulated in the legs is reduced by changing the brake pedal and inching pedal to a hanging type. The air conditioning effect is improved by installing two air vents above the pedal.





Highlights of the next-generation cabin

Front sight

 \bullet Applied single curved glass, removing distortion of vision in corners

- Double-arm large wiper-Removing water from a wider area
- 7-inch monitor for the rear camera only



Rear sight and air vents

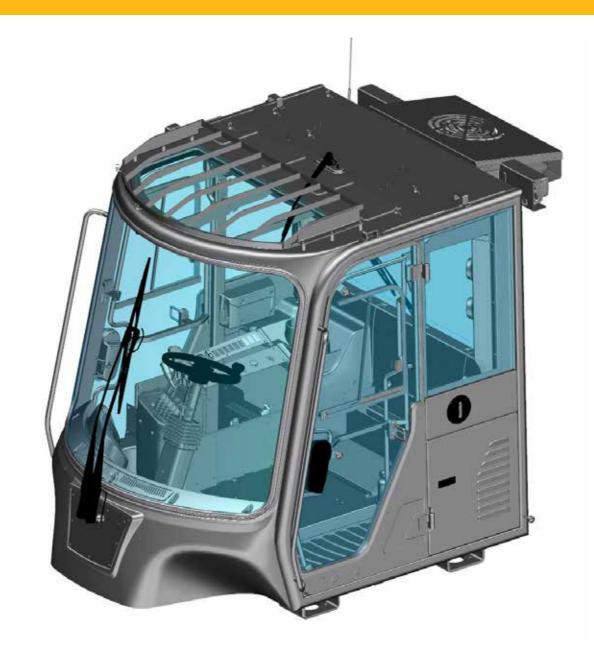
- Applied flat glass without distortion of view
- Applied single-arm wiper as a standard
- Air vent (left and right symmetrical) that controls the air volume in four directions



Upper window / sun visor

- Applied single-arm wiper as a standard
- Ceiling interior materials with high insulation effect
- A sun visor that can control the position in three phases and which is made of materials that reflect the direct rays of the sun





Protecting the glass and field of view on the left / right

- Minimizing blind spots in the field of view
- Whole glass structure that has no filler in the middle of the door / Increased glass area
- Preventing direct collision with glass when moving objects in the cabin



Console – improved accessibility

- Placed switches in one row (in order of use frequency)
- Applied the 12V power port (2ea)
- Placed the air conditioning control dial near the headliner





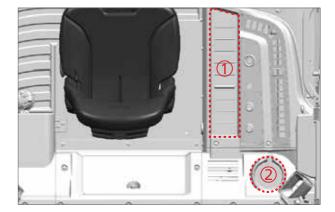
Optimal air conditioning – multiple air vents

- Upper side of the cabin : 2 left and right C pillars each (4 in all)
- Dashboard : 2ea on the top of the pedal
- Removing windshield moisture : 2 ea on the front of the dashboard



2 storage spaces separated by use

 ① Mobile device
 ② Beverage bottle/can



100D-9V

Significant reduction in maintenance time – Tilting cabin

The cabin is tilted up to 52 degrees to provide larger work space for a significant reduction of maintenance time. The cabin may be tilted manually or automatically.

Self-diagnosis of engine and consumables management

The failure details and history can be checked on the cluster screen. In addition, when the replacement cycle of any consumables is entered into the cluster, parts In need of replacement are displayed on the monitor.

| 🗶 Maintenance | |
|------------------------|---|
| Engine Failure History | Þ |
| Maintenace Management | Þ |
| Signal Status | • |
| User Password Change | • |

| 🗙 Maintenace Management | | | | | | |
|-------------------------|----------|--------|-------|-------|--|--|
| Item | Interval | Elapse | Count | Alarm | | |
| Axle Gear Oil | 100 | 105 | 0 | | | |
| Transmissing Oil | 100 | 105 | 0 | | | |
| Filter | 100 | 105 | 0 | | | |
| Tank Air Breathe | . 250 | 105 | 0 | • | | |
| Engine Oil | 500 | 105 | 0 | | | |
| Element | 500 | 105 | 0 | | | |

No tilting when the door is opened & cabin tilting switch

If the right door is open, damage to the door is prevented by prohibiting cabin tilting. The cabin can be opened and closed both automatically or manually.





Fuse and Relay box

Fuses and relays, which are most frequently checked and replaced among electrical apparatuses, are arranged in a separate airtight space outside of the cabin to guarantee system credibility and save post-management time.



Maintainability of hydraulic control valve

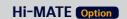
The load-sensing hydraulic control valve is designed to have minimum leak in the spool, and its lowering speed control function and the emergency mast lowering screw, and etc. reduce service frequency and idling time for maintenance.



EASY SERVICE

MAINTENANCE

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



Forklift operation and status, safety, and human resources can be remotely managed using the on-site management solution Hi-MATE. The accumulated data can be used for devising a forklift operation plan.



Ні М́ЯТЕ

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.

AMAZON SERVER



RMCU

Standard & Option

MCU

| | | Description | 100D-9 | | | r |
|-------------------|--------------------------|---|----------------------|-------------|---------------------|-----------------------|
| | 6.11 | · | | | | |
| | Cabin | New Cabin(Aircon, heater) | 0 | ILIG | мсу | 3 Spool MCV + atta |
| | | Grammer seat + Orange belt + Arm rest | • | HYDARULIC | & Hoses | MCV Options - 4 Sp |
| Σ | 61 | Air suspension seat / swivel seat | 0 | Η | | Attached Piping for |
| ROC | Seat Lever Oberver | Seat Accessories - Buckle switch, Seat switch, Backrest, Heated seat | 0 | TIRE | Tires | Pneumatic Tires |
| NO | | | | F | | Solid Tires |
| RAT | Lever | Manual Lever | • | | Lamp | Working Lamp - Fro |
| OPE | | | • | | | L/H & R/H Back Mirr |
| | | Radio & USB | 0 | VISIBILITY | WITTOT | Heated L/H & R/H B |
| | etc. | Bluetooth Radio | 0 | | Camera | Rear Camera |
| | | Extinguisher | 0 | | | Around view |
| | | Standard Mast | V300 | VCE | | Load Sensor |
| | Mast | 2 stage Mast | 0 | NIE | | Load Sensor |
| | | 3 stage Mast | 0 | CONVENIENCE | | Accumulator |
| _ | Fork | Standard Fork | 1,200mm | 0 | - | OPSS - Travel & Ma |
| MEN | FULK | Fork Options - 1,350mm~2,400mm Fork | 350mm~2,400mm Fork O | | | OPSS - Travel only |
| ACHI | Carriage | - Shaft type, Intergral Shaft type | ≥ | | Seat Belt interlock | |
| | | | | SAFETY | - | Master Switch |
| T & / | | | | Š | | Hazard Switch |
| MAST & ATTACHMENT | | | | | | LED Beacon Lamp |
| | | Fork Positioner – Independent, Synchronized | 0 | | | Oil - VG46 |
| | Attachment | Intergral Side Shift | de Shift O | | | Oil Options - VG32 fo |
| | Attachment | Side Shift & Positioner – Independent, | 0 | OTHERS | - | Hi-MATE (General) |
| | | Synchronized | | 0 | | Hi-MATE (Premium) |
| | | | | | | |

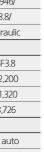
| | Description | 100D-9 |
|--------------|---|--------|
| ACV Hoses | 3 Spool MCV + attached piping for V300 Mast | ٠ |
| | MCV Options - 4 Spool, 5 Spool | 0 |
| | Attached Piping for All MCVs & Masts | 0 |
| ires | Pneumatic Tires | ٠ |
| ires | Solid Tires | 0 |
| amp | Working Lamp - Front & Rear LED | • |
| | L/H & R/H Back Mirror & Panorama Mirror | • |
| irror | Heated L/H & R/H Back Mirror & Panorama Mirror | 0 |
| | Rear Camera | • |
| mera | Around view | 0 |
| | Load Sensor | 0 |
| | Accumulator | 0 |
| | OPSS - Travel & Mast | • |
| | OPSS - Travel only | 0 |
| _ | Seat Belt interlock | 0 |
| | Master Switch | 0 |
| | Hazard Switch | 0 |
| | LED Beacon Lamp | 0 |
| | Oil - VG46 | • |
| | Oil Options - VG32 for Tropical, VG15 for Cold Area | 0 |
| _ | Hi-MATE (General) | 0 |
| | Hi-MATE (Premium) | 0 |
| | | |

Specification

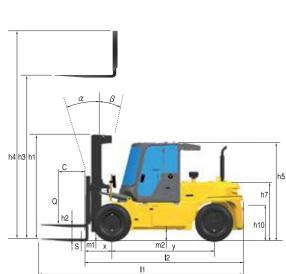
| Ident | ification | 1 1 | |
|--------|--|-------------|----------|
| | Manufacturer (abbreviation) | | Hyun |
| | Manufacturer's type designation | | 1000 |
| 1.1 | Drive : electric (battery or mains), diesel, petrol, fuel gas | | DIES |
| 1.2 | Type of operation: hand, pedestrian, standing, seated, order-picker | | Seate |
| 1.3 | Load capacity / rated load | kg | 10,00 |
| 1.4 | Load center distance | mm | 600 |
| 1.5 | Load distance, center of drive axle to fork | mm | 690 |
| 1.6 | Wheelbase | mm | 2,75 |
| Weig | hts | | |
| 2.1 | Service Weight | Kg | 1277 |
| 2.2 | Axle Loading, Loaded Front/Rear | Kg | 20,444 / |
| 2.3 | Axle Loading, Unloaded Front/Rear | kg | 5,644 / |
| Whee | els, Chassis | | |
| 3.1 | Tires : solid rubber, superelastic, pneumatic, polyur | ethane | P |
| 3.2 | Tire size, front | | 9.00-20 |
| 3.3 | Tire size, rear | | 9.00-20 |
| 3.5 | Wheels, number front / rear (x = driven wheels) | | 4x2 |
| 3.6 | Tread, front | mm | 1,69 |
| 3.7 | Tread, rear | mm | 1,03 |
| | Dimensions | | .,,, с |
| 4.1 | Tilt of mast/fork carriage forward/backrward | degrees | 15/1 |
| 4.1 | Height, mast lowered | h1 (mm) | 2,85 |
| 4.2 | Free lift | | 2,03 |
| | | h2 (mm) | |
| 4.4 | Lift height | h3 (mm) | 3,02 |
| 4.5 | Height, mast extended | h4 (mm) | 4,36 |
| 4.7 | Height of overhead guard (cabin) | h5 (mm) | 2,68 |
| 4.8 | Seat height / stand height rel. To sip | h7 (mm) | 1,65 |
| 4.12 | Coupling height | h10 (mm) | 602 |
| 4.19 | Overall length | l1 (mm) | 5,46 |
| 4.20 | Length to face of forks | l2 (mm) | 4,26 |
| 4.21 | Overall width | b1 (mm) | 2,26 |
| 4.22 | Fork dimensions | lxexs (mm) | 75x180 |
| 4.24 | Fork-carriage width | b3 (mm) | 2,26 |
| 4.31 | Ground clearance, below mast, loaded | m1 (mm) | 250 |
| 4.32 | Ground clearance, center of wheelbase | m2 (mm) | 306 |
| 4.34.1 | Aisle width for pallets 1000 x 1200 crossways | Ast (mm) | 5,59 |
| 4.34.2 | Aisle width for pallets 800 x 1200 lengthways | Ast (mm) | 5,79 |
| 4.35 | Turning radius | Wa (mm) | 3,96 |
| 4.36 | Smallest pivot point distance | mm | 1,35 |
| Perfo | ormance Data | | |
| 5.1 | Travel speed, loaded / unloaded | km/h | 28.4/3 |
| 5.2 | Lift speed, loaded / unloaded | mm/s | 400/4 |
| 5.3 | Lowering speed, loaded / unloaded | mm/s | 450/4 |
| 5.6 | Max. Drawbar pull, loaded / unloaded | kg.f | 87,94 |
| 5.8 | Max. Gradeability, loaded / unloaded | % | 33.8 |
| 5.10 | Service brake | | Hydra |
| Comb | oustion-Engine | · · · · · · | |
| 7.1 | Engine manufacturer / type | | QSF |
| 7.2 | Engine power acc. To iso 1585 | kW/rpm | 93/2,2 |
| 7.3 | Maximum torque | kgf.m/rpm | 51/1,3 |
| 7.4 | No. Of cylinders / displacement | eA/cc | 4/3,7 |
| | tion Data | | |
| 8.1 | Type of drive control | | Full a |
| 8.2 | Operating pressure, system / attachments | bar | 245/1 |
| 8.3 | Oil volume for attachments | LPM | 11(|
| 0.0 | | L 1VI | 110 |

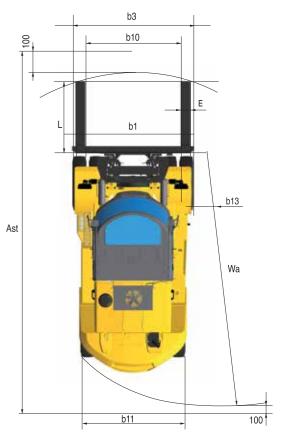
● STD / O OPT





auto /157 10 'in





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