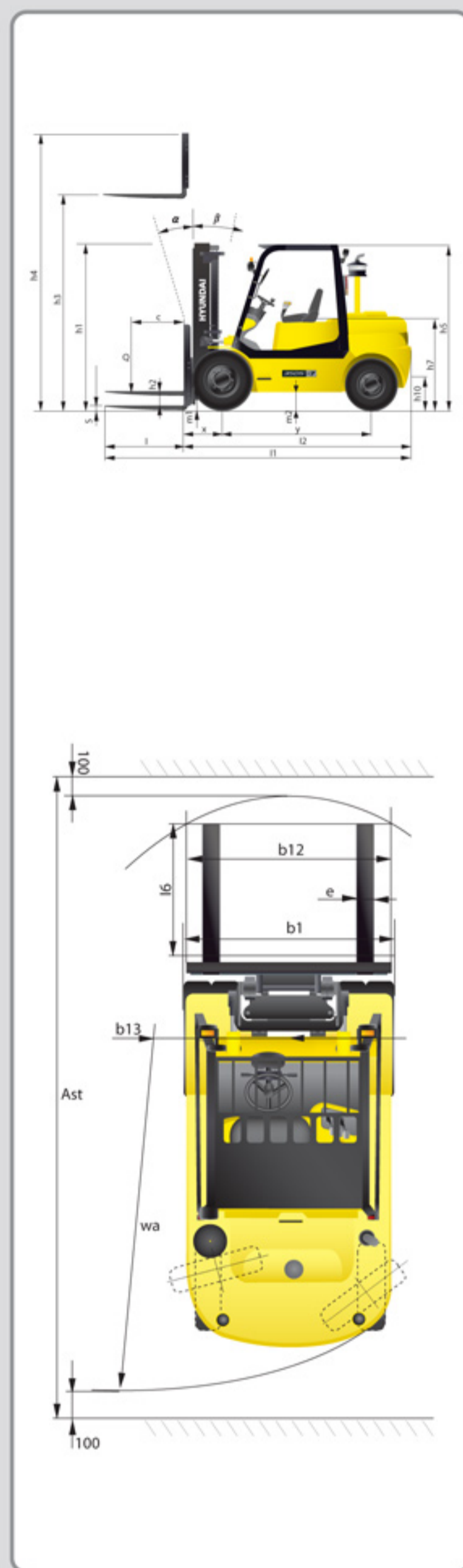


Dimension



Specification

| Identification | | | | | | | |
|------------------|--|----------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 1.1 | Manufacturer | Hyundai | Hyundai | Hyundai | Hyundai | Hyundai | Hyundai |
| 1.2 | Manufacturer's type designation | 35D-7 | 35DS-7 | 40D-7 | 40DS-7 | 45D-7 | 45DS-7 |
| 1.3 | Drive: electric (battery or mains), diesel, petrol, fuel gas, manual | DIESEL | DIESEL | DIESEL | DIESEL | DIESEL | DIESEL |
| 1.4 | Type of operation: hand, pedestrian, standing, seated, order-picker | seated | seated | seated | seated | seated | seated |
| 1.5 | Load capacity / rated load | Q(t) | 3.5 | 3.5 | 4.0 | 4.0 | 4.5 |
| 1.6 | Load center distance | c (mm) | 600 | 600 | 600 | 600 | 600 |
| 1.8 | Load distance, center of drive axle to fork | x(mm) | 561 | 561 | 561 | 561 | 561 |
| 1.9 | Wheelbase | y(mm) | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |
| Weights | | | | | | | |
| 2.1 | Service weight | kg | 5,888 | 5,914 | 6,458 | 6,484 | 6,873 |
| 2.2 | Axle loading, loaded front/rear | kg | 8,359 / 1,029 | 8,375 / 1,039 | 9,283 / 1,174 | 9,299 / 1,185 | 10,067 / 1,306 |
| 2.3 | Axle loading, unloaded front/rear | kg | 2,829 / 3,059 | 2,845 / 3,069 | 2,964 / 3,494 | 2,979 / 3,505 | 2,957 / 3,916 |
| Wheels, Chassis | | | | | | | |
| 3.1 | Tires: solid rubber, superelastic, pneumatic, polyurethane | pneumatic | pneumatic | pneumatic | pneumatic | pneumatic | pneumatic |
| 3.2 | Tires size, front (φ x width) | 8.25-15-14 | 8.25-15-14 | 7.50-16-12 | 7.50-16-12 | 7.50-16-12 | 7.50-16-12 |
| 3.3 | Tires size, rear (φ x width) | 7.00-12-12 | 7.00-12-12 | 7.00-12-12 | 7.00-12-12 | 7.00-12-12 | 7.00-12-12 |
| 3.5 | Wheels, number front x rear (x=driven wheels) | 2x2 | 2x2 | 4x2 | 4x2 | 4x2 | 4x2 |
| 3.6 | Track width, front | mm | 1,162 | 1,162 | 1,312 | 1,312 | 1,312 |
| 3.7 | Track width, rear | mm | 1,140 | 1,140 | 1,140 | 1,140 | 1,140 |
| Basic Dimensions | | | | | | | |
| 4.1 | Mast / fork carriage tilt forward / backward | degrees | 8/10 | 8/10 | 8/10 | 8/10 | 8/10 |
| 4.2 | Lowered mast height | h1 (mm) | 2,235 | 2,235 | 2,220 | 2,220 | 2,220 |
| 4.3 | Free lift | h2 (mm) | 120 | 120 | 120 | 120 | 120 |
| 4.4 | Lift height | h3 (mm) | 3,000 | 3,000 | 3,000 | 3,000 | 3,000 |
| 4.5 | Extended mast height | h4 (mm) | 4,236 | 4,236 | 4,236 | 4,236 | 4,246 |
| 4.7 | Overhead load guard (cab) height | h5 (mm) | 2,240 | 2,240 | 2,240 | 2,240 | 2,240 |
| 4.8 | Seat height / standing height | h7 (mm) | 1,100 | 1,100 | 1,100 | 1,100 | 1,100 |
| 4.12 | Coupling height | h10 (mm) | 364 | 364 | 364 | 364 | 364 |
| 4.19 | Overall length | l1 (mm) | 4,140 | 4,140 | 4,195 | 4,195 | 4,405 |
| 4.20 | Length to face of forks | l2 (mm) | 3,070 | 3,070 | 3,125 | 3,125 | 3,185 |
| 4.21 | Overall width | b1 (mm) | 1,400 | 1,400 | 1,776 | 1,776 | 1,776 |
| 4.22 | Fork dimensions (hook type) | s / e / l (mm) | 50x122x1,070 | 50x122x1,070 | 50x150x1,220 | 50x150x1,220 | 50x150x1,220 |
| 4.23 | Fork carriage ISO 2328, class / type A,B | class | class III | class III | class III | class III | class IV |
| 4.24 | Fork-carriage width | b12 (mm) | 1,300 | 1,300 | 1,600 | 1,600 | 1,600 |
| 4.31 | Ground clearance, loaded, under mast | m1 (mm) | 170 | 170 | 155 | 155 | 155 |
| 4.32 | Ground clearance, centre of wheelbase | m2 (mm) | 215 | 215 | 200 | 200 | 200 |
| 4.33 | Aisle width for pallets 1,000x1,200 crossways | Ast (mm) | 4,531 | 4,531 | 4,591 | 4,591 | 4,651 |
| 4.34 | Aisle width for pallets 800x1,200 lengthways | Ast (mm) | 4,731 | 4,731 | 4,791 | 4,791 | 4,851 |
| 4.35 | Turning radius | Wa (mm) | 2,770 | 2,770 | 2,830 | 2,830 | 2,890 |
| 4.36 | Smallest pivot point distance | b13 (mm) | 1,008 | 1,008 | 1,008 | 1,008 | 1,008 |
| Performance Data | | | | | | | |
| 5.1 | Travel speed, loaded / unloaded | km/h | 25.9 / 28.0 | 24.4 / 26.4 | 25.2 / 27.0 | 23.8 / 25.4 | 24.9 / 27.0 |
| 5.2 | Lift speed, loaded / unloaded | mm/s | 550 / 600 | 570 / 600 | 540 / 600 | 560 / 600 | 530 / 600 |
| 5.3 | Lowering speed, loaded / unloaded | mm/s | 500 / 450 | 500 / 450 | 500 / 450 | 500 / 450 | 500 / 450 |
| 5.5 | Drawbar pull, loaded / unloaded | N | 37,373 / 37,804 | 36,760 / 36,130 | 38,128 / 36,348 | 37,690 / 3,595 | 40,050 / 38,118 |
| 5.7 | Gradient performance, loaded / unloaded | % | 44.0 / 26.2 | 43.1 / 26.2 | 39.8 / 25.2 | 38.9 / 25.2 | 38.6 / 23.6 |
| 5.9 | Acceleration time, loaded / unloaded (10m) | sec | - | - | - | - | - |
| 5.10 | Service brake | | hydraulic | hydraulic | hydraulic | hydraulic | hydraulic |
| Engine | | | | | | | |
| 6.1 | Engine manufacturer / type | | HMC/D4DD | MHI/S6S-DT | HMC/D4DD | MHI/S6S-DT | HMC/D4DD |
| 6.2 | Engine power acc. to ISO 1585 | kW | 70.0 | 64.7 | 70.0 | 64.7 | 70.0 |
| 6.3 | Rated speed | 1/min | 2,300 | 2,200 | 2,300 | 2,200 | 2,300 |
| 6.4 | No. of cylinder / cubic capacity | anzl/r | 4 / 3,907 | 6 / 4,996 | 4 / 3,907 | 6 / 4,996 | 4 / 3,907 |
| 6.5 | Fuel consumption acc. To VDI cycle | l/h | - | - | - | - | - |
| Other Details | | | | | | | |
| 8.1 | Type of drive control | | Torque Converter 2/2 | Torque Converter 2/2 | Torque Converter 2/2 | Torque Converter 2/2 | Torque Converter 2/2 |
| 8.2 | Operating pressure for attachments | bar | 150 | 150 | 150 | 150 | 150 |
| 8.3 | Oil volume for attachments | l/min | - | - | - | - | - |
| 8.4 | Sound level at driver's ear according to DIN 12 053 | db(A) | 87 | 87 | 87 | 87 | 87 |
| 8.5 | Tow coupling, type DIN | | - | - | - | - | - |



Some of the photos may include optional equipment.

We build a better future

FORKLIFT TRUCKS Environmentally - Friendly

35/40/45DS-7

35/40/45D-7



GLOBAL MACHINERY

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ООО «Глобал Машинери» - Официальный дистрибьютор техники Hyundai Heavy Industries Co., Ltd. в России



35/40/45DS -7

35/40/45D -7

New criterion of Forklift Trucks

Hyundai introduces a new line of 7-series diesel forklift trucks. Excellent power and performance makes your business more profitable.



■ Some of the photos may include optional equipment.

High Power & Performance

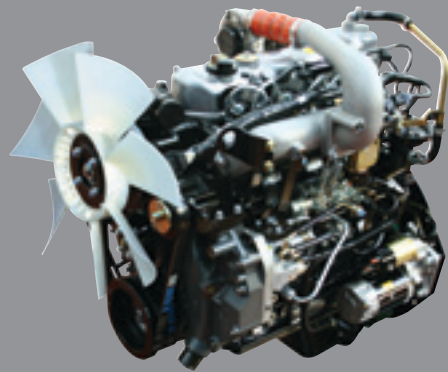
Powerful Engine

Mitsubishi S6S-DT Engine

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

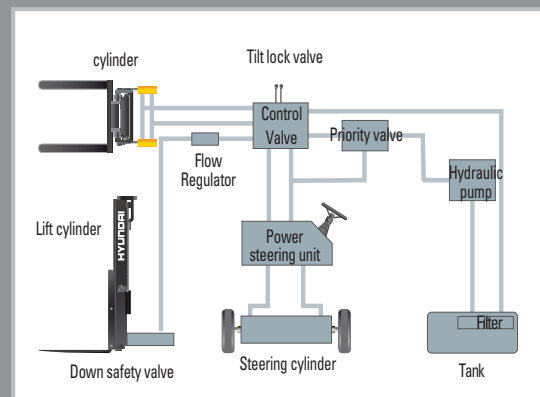


Hyundai D4DD Engine



State-of-the-art hydraulic system

The latest large-capacity hydraulic system reacts quickly during operation, and a low-noise control valve increases both efficiency and durability.



Ability of best, The new master on the job-site!

Smooth running, efficient and ergonomically designed, 35/40/45D-7, 35/40/45DS-7 series are made to meet your needs.



Fast and stable performance

Being able to quickly raise and lower the mast, as well as tilt it forward and backward, provides the best operational conditions during unloading. When the truck is fully loaded, mast lowering speed is carefully controlled to ensure safety by the down control valve.

Faster Travel Speed & Gradeability

The powerful high-output engine provides greater acceleration, better gradeability and faster travel speed on any tough terrain or slope.



■ Some of the photos may include optional equipment.



Increased mast tilting angle

Utilizing the mast tilting angle of 8 degrees forward and 10 degrees backward, the operator can safely and rapidly perform loading and unloading jobs.



Wet disc brake system

The adoption of Wet disc type brake improves brake performance. Brake pedal effort is improved about 45% at 20% slope and Wet disc brakes have service intervals 5 times longer than conventional.



Fully hydrostatic power steering

A hydraulic steering system always guarantees smooth and flexible steering, preventing overrun and kick-back.



Key-locking fuel cap

Increased security on job sites with locking fuel cap, plus an increased capacity fuel tank for less down time.

Comfortable Operation



Adjustable steering wheel

Steering wheel can be adjusted by a lever on the right-hand side for the most comfortable operator position.



Easy and safe shift lever

A single lever on the left side of the steering column gives the operator fast, easy control of speed and direction. The engine can be started in case of neutral position of this lever.



Multi-function switch lever

Multi-functional switch lever gives easy access to lights and horn.



Quick Response of Operating Control Levers

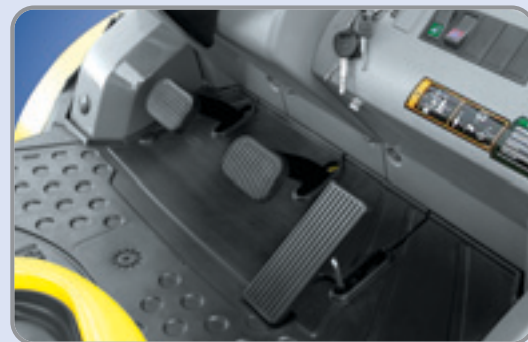
Only minimal operator's effort is required for precise, safe and productive control.



Some of the photos may include optional equipment.

Ergonomics driving space design!

A design based on human engineering relieves fatigue and increase operator's efficiency.



Ergonomically positioned pedals

Based on human engineering, the accelerator, brake and inching pedals are optimally positioned for convenience while operating the equipment.



Cup holder & console box

Additional storage spaces are located inside the operating space for operator's convenience.



New high visibility for safe operation

The operator is able to work with increased safety and accuracy due to a wider view mast.

Operator friendly gauges and water-resistant monitor panel



- ① Parking brake lamp
- ② Directional indicators
- ③ Fuel warning lamp
- ④ Engine oil warning lamp
- ⑤ Transmission oil temperature warning lamp
- ⑥ Battery charging warning lamp
- ⑦ Air cleaner filter warning light
- ⑧ Working light indicator
- ⑨ Water separator lamp (35/45DS, MHI Engine)
- ⑩ Pre-heater indicator
- ⑪ Water temperature gauge
- ⑫ Fuel gauge
- ⑬ Hour meter
- ⑭ Engine check lamp(35/45D, Tier2 Engine)
- ⑮ Seat belt warning
- ⑯ OPS warning(35/45DS, MHI Engine)

Easily adjustable suspension seat

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



The latest anti-vibration and shock absorbing system

The state-of-the-art hydraulic suspension cab system, using hydraulic and anti-vibration rubber insulator, is installed between the guard and truck frame to reduce the source of vibration and noise while driving. This not only reduces operator's fatigue but also increases safety.



Strong overhead guard

The safety overhead guard meets EEC and ANSI regulations and protects the operator during hazardous jobs.



Parking Brake

Toggle type parking brake requires less efforts from the operator to set.



Highly Durable Electric Shift-Power Transmission

Powershift transmission provides fast travel speed and quiet travel under any heavy load condition, and boosts work efficiency.

Danger-free through high durability!

Safety and durability are priorities in the design of the equipment.



■ Some of the photos may include optional equipment.

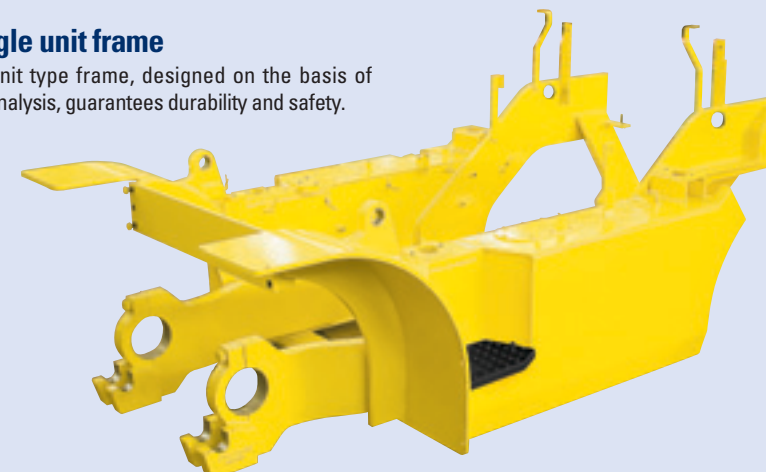


Large footboard & Handle

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

Heavy duty single unit frame

Heavy duty single unit type frame, designed on the basis of accurate structural analysis, guarantees durability and safety.



Fuel Tank Safety Valve

Integrated Safety Check Valve shuts off fuel supply in the unlikely condition of a truck overturn.



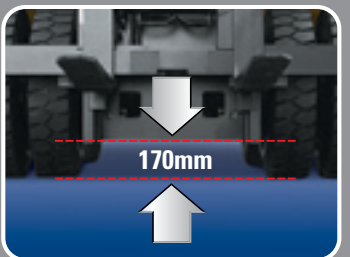
Expansion bellows

The expansion bellows absorbs vibration and reduces noise generated from the exhaust gas system and also extends the life cycle of exhaust gas system.



Bright, protected headlights and rear working light

Bright, protected headlights and rear working light are positioned for exceptional visibility.



Ground clearance

The engine and transmission are assembled horizontally and positioned high in the frame to protect expansive components during operation on rugged surface.

Durability Easy Maintenance



Electrically Monitored Air Filter

Air cleaner sensor alerts the operator of a restricted air filter and allows replacement before damage.



Easy Maintenance oil check

The T/M oil level can be checked easily without any disassembly.



Brake fluid reservoir

Highly visible, easily accessible reservoir makes for quicker daily inspections.



An accessible, compact fuse box for easy inspection



Centralized design for easy service!

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



Easy Change Air Cleaner

The air filter is readily accessible for cleaning or replacement.



Visible pre-cleaner

Efficient, accessible pre-cleaner provides for longer engine life.



Maintenance free battery



Easy-to-change radiator



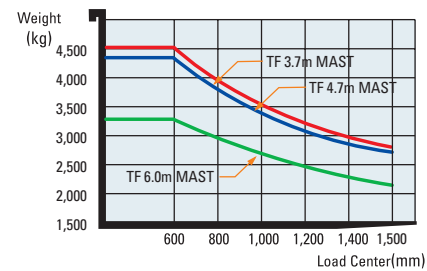
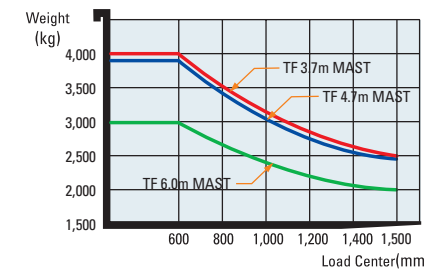
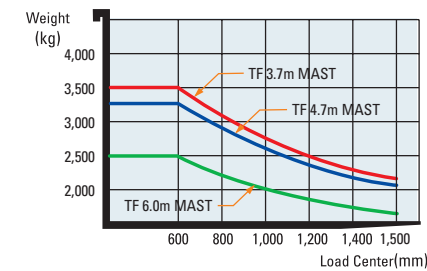
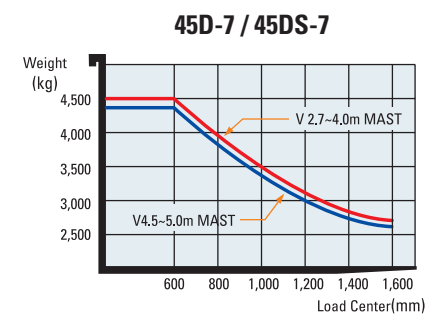
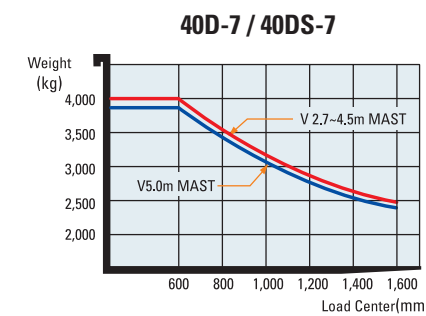
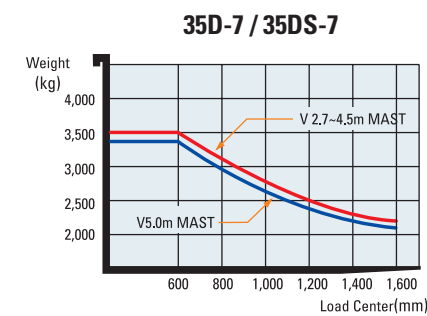
Engine oil condition check

Mast Specification (35/40/45D-7, 35/40/45DS-7)

| MAST TYPE | Maximum Fork Height (mm) | Overall Height(mm) | | | | | | | | Free Lift(mm) | | | | Load Capacity At 600mm (24 in)LC | | | | | | Tilt Angle (deg) | |
|-----------|--------------------------|--------------------|--------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|-------------------|---------------------|--------|--------|----------------------------------|--------|--------|--------|-------|-----|------------------|--|
| | | Lowered (mm) | | Extended(mm) | | | | 35 / 40D-7 | | 45D-7 | | 35D-7 | | 40D-7 | | 45D-7 | | | | | |
| | | Single | Double | W/o Load Backrest | W/Std Load Backrest | W/o Load Backrest | W/Std Load Backrest | W/o Load Backrest | W/Std Load Backrest | W/o Load Backrest | W/Std Load Backrest | Single | Double | Single | Double | Single | Double | Fwd | Bwd | | |
| SIMPLEX | V270 | 2,700 | 2,240 | 2,240 | 3,565 | 3,936 | 3,585 | 3,946 | 120 | 120 | 120 | 120 | 3,500 | 3,500 | 4,000 | 4,000 | 4,500 | 4,500 | 8 | 10 | |
| | ≈V300 | 3,000 | 2,240 | 2,240 | 3,865 | 4,236 | 3,885 | 4,246 | 120 | 120 | 120 | 120 | 3,500 | 3,500 | 4,000 | 4,000 | 4,500 | 4,500 | 8 | 10 | |
| | V330 | 3,300 | 2,385 | 2,370 | 4,165 | 4,536 | 4,185 | 4,546 | 120 | 120 | 120 | 120 | 3,500 | 3,500 | 4,000 | 4,000 | 4,500 | 4,500 | 8 | 10 | |
| | V350 | 3,500 | 2,535 | 2,520 | 4,365 | 4,736 | 4,385 | 4,746 | 120 | 120 | 120 | 120 | 3,500 | 3,500 | 4,000 | 4,000 | 4,500 | 4,500 | 8 | 10 | |
| | V370 | 3,700 | 2,635 | 2,620 | 4,565 | 4,936 | 4,585 | 4,946 | 120 | 120 | 120 | 120 | 3,500 | 3,500 | 4,000 | 4,000 | 4,500 | 4,500 | 8 | 10 | |
| | V400 | 4,000 | 2,845 | 2,830 | 4,865 | 5,236 | 4,885 | 5,246 | 120 | 120 | 120 | 120 | 3,500 | 3,500 | 4,000 | 4,000 | 4,500 | 4,500 | 8 | 10 | |
| | V450 | 4,500 | 3,095 | 3,080 | 5,365 | 5,736 | 5,385 | 5,746 | 120 | 120 | 120 | 120 | 3,500 | 3,500 | 4,000 | 4,000 | 4,400 | 4,450 | 6 | 6 | |
| DUPLEX | VF280 | 2,800 | 2,240 | 2,240 | 3,682 | 4,021 | 3,702 | 4,072 | 1,258 | 919 | 1,238 | 868 | 3,500 | 3,500 | 4,000 | 4,000 | 4,500 | 4,500 | 6 | 8 | |
| | VF300 | 3,000 | 2,240 | 2,240 | 3,882 | 4,221 | 3,902 | 4,272 | 1,358 | 1,019 | 1,338 | 968 | 3,500 | 3,500 | 4,000 | 4,000 | 4,500 | 4,500 | 6 | 8 | |
| | VF315 | 3,150 | 2,325 | 2,310 | 4,032 | 4,371 | 4,052 | 4,422 | 1,448 | 1,109 | 1,428 | 1,058 | 3,500 | 3,500 | 4,000 | 4,000 | 4,500 | 4,500 | 6 | 8 | |
| TRIPLEX | TF370 | 3,700 | 2,240 | 2,240 | 4,607 | 4,946 | 4,627 | 4,956 | 1,149 | 810 | 1,114 | 784 | 3,500 | 3,500 | 4,000 | 4,000 | 4,500 | 4,500 | 6 | 6 | |
| | TF400 | 4,000 | 2,240 | 2,240 | 4,907 | 5,246 | 4,927 | 5,256 | 1,249 | 910 | 1,214 | 884 | 3,500 | 3,500 | 4,000 | 4,000 | 4,500 | 4,500 | 6 | 6 | |
| | TF430 | 4,300 | 2,240 | 2,240 | 5,207 | 5,546 | 5,227 | 5,556 | 1,349 | 1,010 | 1,314 | 984 | 3,450 | 3,500 | 4,000 | 4,000 | 4,450 | 4,500 | 6 | 6 | |
| | TF450 | 4,500 | 2,295 | 2,280 | 5,387 | 5,726 | 5,407 | 5,736 | 1,409 | 1,070 | 1,374 | 1,044 | 3,400 | 3,450 | 4,000 | 4,000 | 4,400 | 4,400 | 6 | 6 | |
| | TF470 | 4,700 | 2,385 | 2,380 | 5,597 | 5,936 | 5,617 | 5,946 | 1,499 | 1,160 | 1,464 | 1,134 | 3,300 | 3,400 | 3,900 | 3,950 | 4,300 | 4,350 | 6 | 6 | |
| | TF500 | 5,000 | 2,485 | 2,470 | 5,897 | 6,236 | 5,917 | 6,246 | 1,599 | 1,260 | 1,564 | 1,234 | 3,200 | 3,350 | 3,800 | 3,850 | 4,200 | 4,300 | 6 | 6 | |
| | TF550 | 5,500 | 2,665 | 2,650 | 6,397 | 6,736 | 6,417 | 6,746 | 1,779 | 1,440 | 1,744 | 1,414 | 2,900 | 3,250 | 3,500 | 3,700 | 3,900 | 4,100 | 6 | 6 | |
| | TF600 | 6,000 | 2,845 | 2,830 | 6,907 | 7,246 | 6,927 | 7,256 | 1,959 | 1,620 | 1,924 | 1,594 | 2,500 | 3,100 | 3,000 | 3,550 | 3,300 | 3,950 | 6 | 6 | |

*Standard : Hook-on type fork & carriage / Option : Shaft-on type fork & carriage

Load Capacity



Optional Items

• **CABIN**
Cabin without Heater / Cabin with Heater

• **FORK(LxWxT)(mm)**
35D : 1,220 × 122 × 50 / 1,370 × 122 × 50 / 1,520 × 122 × 50
 1,670 × 122 × 50 / 1,820 × 122 × 50 / 1,970 × 122 × 50
40D : 1,220 × 150 × 50 / 1,370 × 150 × 50 / 1,520 × 150 × 50
 1,670 × 150 × 50 / 1,820 × 150 × 50 / 1,970 × 150 × 50
45D : 1,070 × 150 × 50 / 1,370 × 150 × 50 / 1,520 × 150 × 50
 1,670 × 150 × 50 / 1,820 × 150 × 50 / 1,970 × 150 × 50

• **35D(Hook Type)** : 1,220 × 122 × 50 / 1,370 × 122 × 50 / 1,520 × 122 × 50
 1,670 × 122 × 50 / 1,820 × 122 × 50 / 1,970 × 122 × 50

• **35D(Shaft Type)** : 1,220 × 150 × 50 / 1,370 × 150 × 50 / 1,520 × 150 × 50
 1,670 × 150 × 50 / 1,820 × 150 × 50 / 1,970 × 150 × 50

• **MAST**
2/Stage limited free lift / 3/Stage limited free lift

• **OVER SHOE**
1,800 / 2,000 / 2,200

• **MCV** 3-SPOOL / 4-SPOOL / 5-SPOOL

• **SOLID TIRE, NON-MARKING**

• **SEAT**: ARM REST, SEAT BELT

• **REAR WORK LAMP**

• **INTERNAL PIPING**

• **HOSE-REEL**

• **HAZARD SWITCH**

• **BEACON LAMP**

• **MASTER SWITCH**

• **AOPSS** (Abnormal Operator Position Sensing System)