



We build a better future

■ Photo may include optional equipment

DIESEL FORKLIFT TRUCKS Environmental - Friendly

20D/25D/30D/33D-7E

FORKLIFT *Excellent* Model

20D/25D/30D/33D -7E

New criterion of Forklift Trucks

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





■ Photo may include optional equipment

High Power & Performance

Powerful Engine

KUBOTA V3600 Engine

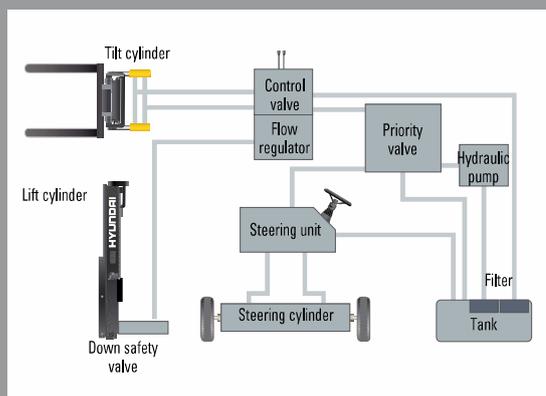
The market approved quality of the Kubota V3600 engine ensures an incomparable performance, durability and additional value to the machine. 48kW of the engine is more than enough to suit any work, with a standard as well as a special attachment equipped machine.
(EPA Int.Tier-4 / EU Stage IIIA Certified)

48 kW / 2,300 rpm



State-of-the-art hydraulic system

The latest designed, large-capacity hydraulic system including a low-noise control valve shortens reaction time during operation and improves both efficiency and durability.



Fast and stable performance

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

The new master on your job-site!

Smooth running, efficient and ergonomically designed, 20/25/30/33D-7E series are made to meet your needs.



■ Photo may include optional equipment

Faster travel speed & Grade-ability

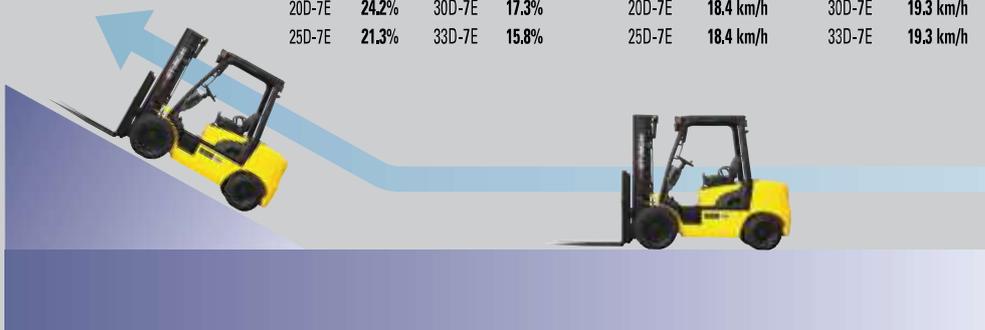
The powerful high-output engine provides greater acceleration, better grade-ability and faster travel speed on any tough terrain or slope.

Grade-ability (Loaded)

| | | | |
|--------|-------|--------|-------|
| 20D-7E | 24.2% | 30D-7E | 17.3% |
| 25D-7E | 21.3% | 33D-7E | 15.8% |

Travel speed (Unloaded)

| | | | |
|--------|-----------|--------|-----------|
| 20D-7E | 18.4 km/h | 30D-7E | 19.3 km/h |
| 25D-7E | 18.4 km/h | 33D-7E | 19.3 km/h |



Increased mast tilting angle

Utilizing the mast tilting angle of 8 degrees forward and 10 degrees backward gives the operator a safe and rapid platform for loading and unloading jobs.



Wet disc brake system

Wet disc brakes improve the brake performance and make your service intervals longer. Enclosed brakes are protected against dust and water.



Fully hydrostatic power steering

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



OPSS (Operator Presence Sensing System)

Mast tilting, lifting and lowering operation is not possible when the operator is not seated in normal position. (Option)

Comfortable Operation



Adjustable steering wheel

Steering wheel with horn button 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 and easy control of travel direction. **The engine can only be started in case of neutral position of this lever.**



Multi-function switch lever

A 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.



■ Photo may include optional equipment



Ergonomically positioned pedals

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



Cup holder & console box

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

Comfortable Operation!

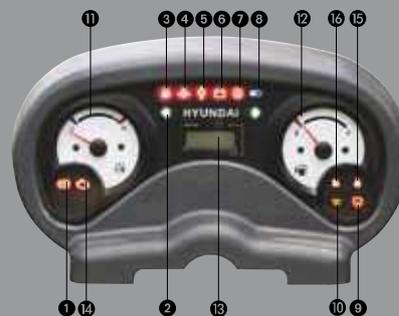
A design based on human engineering relieves fatigue and increases operator's efficiency.



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 warning lamp
- ⑦ Air filter warning light
- ⑧ Working light indicator
- ⑨ Water separator lamp
- ⑩ Pre-heater indicator
- ⑪ Water temperature gauge
- ⑫ Fuel gauge
- ⑬ Hour meter
- ⑭ Engine check lamp
- ⑮ Seat belt warning
- ⑯ OPSS warning

Easily adjustable suspension seat

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



Full-floating overhead guard

Anti-vibration rubbers, installed between the guard and truck frame, reduce the source of vibration and noise while driving. This reduces operator's fatigue and increases safety.



Endurance & Safety

Strong overhead guard

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



Parking brake

Ratchet type parking brake requires less effort from the operator to set.



Highly durable split type drive axle

The bevel gear set and hub reduction axle smoothly delivers desired torque to the drive wheels.



Safety through high durability!

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



Large footstep & handle

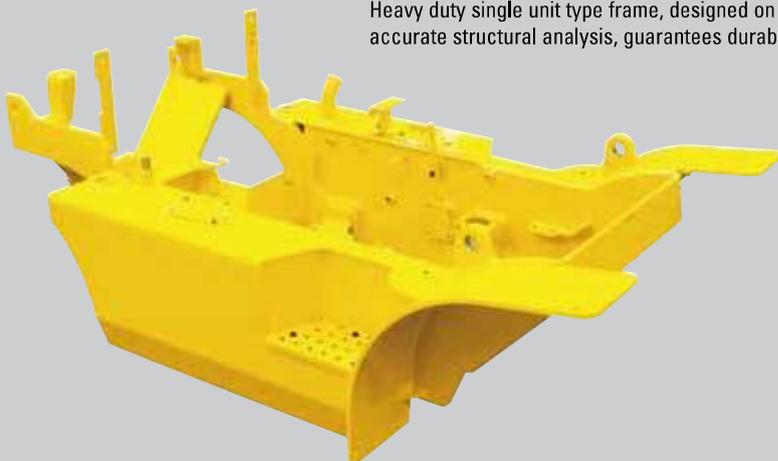
Wide "open" step offers convenience and safety when entering and exiting your truck.



■ Photo may include optional equipment

Heavy duty single unit frame

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



Easy access to electrical components

Various electric parts are centralized below the dash board resulting in improvement of maintenance.



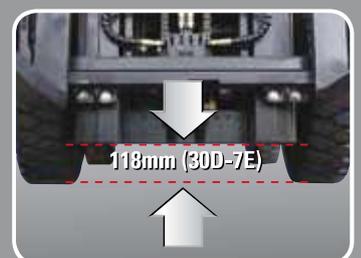
Expansion bellows

The expansion bellows absorbs vibration and reduces noise generated from the exhaust gas to extend the life span.



Bright, protected headlights

Bright, protected headlights are positioned for increased visibility in dark environments.



Ground clearance

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

High Durability & Easy Maintenance



Electrically monitored air filter

Air cleaner sensor alerts the operator of a restricted air filter so allowing replacement before a potential engine damage occurs.



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 components ensures easy access and convenience during maintenance.



Battery master switch



Hydraulic oil check



Automatic self locking gas spring

Engine compartment hood is kept open by a self locking gas spring to improve maintenance safety.



Easy change of air cleaner

The air filter is readily accessible for cleaning or replacement. (7inch Cyclone Type)



■ Photo may include optional equipment



Large Open Engine Hood

Highly accessible engine compartment assures fast and efficient maintenance.



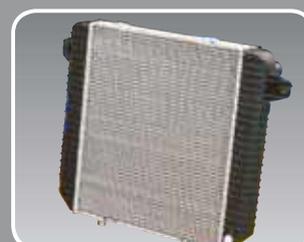
Easy maintenance oil check



Portable side cover check



Rotational battery installation



Aluminum radiator with superb protection against heat



Quick and easy engine oil check

Mast Specifications (20D/25D/30D-7E)

| Mast Type | Maximum Fork Height mm | Overall Height (Lowered) mm | | | Free Lift (mm) | | | | Tilt Angle | | Load Capacity without Side Shift 600mm LC (kg) | | | | | | Load Capacity with Side Shift 600mm LC (kg) | | | | | | Truck Weight Unload (kg) | | | | | |
|---------------------------|------------------------|-----------------------------|--------|--------|----------------|--------|------------------|--------|------------|----------|--|-------------|--------|--------|-------------|--------|---|-------------|--------|--------|-------------|--------|--------------------------|-------------|--------|--------|-------------|--------|
| | | | | | With Backrest | | Without Backrest | | | | degree | Single Tire | | | Double Tire | | | Single Tire | | | Double Tire | | | Single Tire | | | Double Tire | |
| | | 20D-7E | 25D-7E | 30D-7E | 20D-7E | 30D-7E | 20D-7E | 30D-7E | Forward | Backward | | 20D-7E | 25D-7E | 30D-7E | 20D-7E | 25D-7E | 30D-7E | 20D-7E | 25D-7E | 30D-7E | 20D-7E | 25D-7E | 30D-7E | 20D-7E | 25D-7E | 30D-7E | 20D-7E | 25D-7E |
| 2-Stage limited free lift | V300 | 3000 | 2025 | 2040 | 155 | 155 | 155 | 155 | 6 | 10 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 3552 | 3842 | 4359 | 3689 | 3979 | 4446 |
| | *V330 | 3300 | 2175 | 2190 | 155 | 155 | 155 | 155 | 6 | 10 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 3572 | 3862 | 4379 | 3708 | 3998 | 4466 |
| | V350 | 3500 | 2275 | 2290 | 155 | 155 | 155 | 155 | 6 | 10 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 3589 | 3879 | 4397 | 3725 | 4015 | 4484 |
| | V370 | 3700 | 2425 | 2440 | 155 | 155 | 155 | 155 | 6 | 10 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 3611 | 3901 | 4420 | 3747 | 4037 | 4507 |
| | V400 | 4000 | 2575 | 2590 | 155 | 155 | 155 | 155 | 6 | 10 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 2000 | 2475 | 2950 | 2000 | 2500 | 2975 | 3641 | 3931 | 4451 | 3777 | 4067 | 4538 |
| | V430 | 4300 | 2725 | 2740 | 155 | 155 | 155 | 155 | 6 | 6 | 2000 | 2450 | 2925 | 2000 | 2500 | 3000 | 1950 | 2400 | 2875 | 2000 | 2450 | 2925 | 3663 | 3953 | 4504 | 3829 | 4119 | 4590 |
| | V450 | 4500 | 2875 | 2890 | 155 | 155 | 155 | 155 | 6 | 6 | 2000 | 2400 | 2875 | 2000 | 2475 | 2950 | 1930 | 2350 | 2825 | 2000 | 2400 | 2875 | 3715 | 4005 | 4526 | 3861 | 4141 | 4613 |
| | V470 | 4700 | 2975 | 2990 | 155 | 155 | 155 | 155 | 6 | 6 | 2000 | 2350 | 2825 | 2000 | 2450 | 2900 | 1900 | 2325 | 2750 | 2000 | 2375 | 2825 | 3729 | 4019 | 4541 | 3885 | 4165 | 4628 |
| V500 | 5000 | 3125 | 3140 | 155 | 155 | 155 | 155 | 6 | 6 | 1970 | 2300 | 2775 | 2000 | 2400 | 2850 | 1850 | 2275 | 2700 | 1950 | 2350 | 2775 | 3751 | 4041 | 4564 | 3887 | 4177 | 4651 | |
| 2-Stage full free lift | VF290 | 2900 | 2025 | 2040 | 845 | 860 | 1377 | 1314 | 6 | 6 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 3588 | 3888 | 4399 | 3735 | 4025 | 4486 |
| | VF320 | 3200 | 2175 | 2190 | 995 | 1010 | 1527 | 1464 | 6 | 6 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 3632 | 3922 | 4435 | 3769 | 4059 | 4521 |
| 3-Stage full free lift | TF370/TS370 | 3700 | 1825 | 1840 | 645 | 660 | 1177 | 1114 | 6 | 6 | 2000 | 2500 | 3000 | 2000 | 2500 | 3000 | 2000 | 2450 | 2900 | 2000 | 2500 | 2950 | 3689 | 3979 | 4509 | 3826 | 4116 | 4585 |
| | TF400/TS400 | 4000 | 1925 | 1940 | 745 | 760 | 1277 | 1214 | 6 | 6 | 2000 | 2450 | 2900 | 2000 | 2500 | 2975 | 1950 | 2400 | 2850 | 2000 | 2450 | 2900 | 3713 | 4003 | 4533 | 3850 | 4140 | 4619 |
| | TF430/TS430 | 4300 | 2025 | 2040 | 845 | 860 | 1377 | 1314 | 6 | 6 | 2000 | 2375 | 2850 | 2000 | 2450 | 2925 | 1900 | 2350 | 2775 | 2000 | 2400 | 2825 | 3731 | 4021 | 4555 | 3888 | 4178 | 4641 |
| | TF450/TS450 | 4500 | 2125 | 2140 | 945 | 960 | 1477 | 1414 | 6 | 6 | 2000 | 2350 | 2800 | 2000 | 2425 | 2850 | 1875 | 2325 | 2725 | 1950 | 2350 | 2775 | 3753 | 4043 | 4581 | 3890 | 4180 | 4667 |
| | TF470/TS470 | 4700 | 2175 | 2190 | 995 | 1010 | 1527 | 1464 | 6 | 6 | 1950 | 2300 | 2775 | 2000 | 2375 | 2825 | 1850 | 2275 | 2675 | 1925 | 2300 | 2725 | 3766 | 4056 | 4595 | 3903 | 4193 | 4681 |
| | TF500/TS500 | 5000 | 2275 | 2290 | 1095 | 1110 | 1627 | 1564 | 6 | 6 | 1900 | 2250 | 2700 | 1950 | 2325 | 2750 | 1800 | 2200 | 2600 | 1900 | 2275 | 2675 | 3788 | 4078 | 4617 | 3925 | 4215 | 4703 |
| | TF550/TS550 | 5500 | 2475 | 2490 | 1295 | 1310 | 1827 | 1764 | 6 | 6 | 1825 | 1800 | 2600 | 1875 | 2250 | 2650 | 1725 | 1700 | 2525 | 1825 | 2200 | 2575 | 3828 | 4118 | 4662 | 3965 | 4255 | 4748 |
| | TF600/TS600 | 6000 | 2675 | 2690 | 1495 | 1510 | 2027 | 1964 | 6 | 6 | 1500 | 1250 | 1900 | 1825 | 2150 | 2550 | 1400 | 1150 | 1750 | 1775 | 2100 | 2475 | 3892 | 4182 | 4731 | 4029 | 4319 | 4817 |
| 4-Stage full free lift | QF610 | 6115 | 2177 | 2175 | 997 | 955 | 1512 | 1449 | 3 | 3 | 1550 | 1650 | 1870 | 1580 | 1910 | 2400 | 1465 | 1585 | 1770 | 1515 | 1845 | 2300 | 4134 | 4424 | 4911 | 4272 | 4562 | 4987 |
| | QF660 | 6615 | 2377 | 2375 | 1197 | 1195 | 1712 | 1649 | 3 | 3 | 1450 | 1550 | 1750 | 1490 | 1820 | 2280 | 1385 | 1685 | 1650 | 1425 | 1380 | 2180 | 4194 | 4484 | 4971 | 4332 | 4622 | 5047 |
| | QF700 | 7015 | 2477 | 2475 | 1297 | 1295 | 1812 | 1749 | 3 | 3 | 1240 | 1300 | 1450 | 1400 | 1720 | 2170 | 1175 | 1110 | 1350 | 1270 | 2070 | 4224 | 4515 | 5001 | 4363 | 4653 | 5078 | |
| | QF745 | 7465 | 2627 | 2625 | 1447 | 1445 | 1962 | 1899 | 3 | 3 | 1150 | 1200 | 1300 | 1300 | 1610 | 2040 | 1085 | 1020 | 1200 | 1235 | 1175 | 1940 | 4270 | 4560 | 5047 | 4469 | 4699 | 5123 |
| | QF790 | 7915 | 2777 | 2775 | 1597 | 1595 | 2112 | 2049 | 3 | 3 | 700 | 750 | 800 | 800 | 1000 | 1200 | 635 | 570 | 700 | 635 | 770 | 1100 | 4370 | 4661 | 5147 | 4509 | 4799 | 5224 |

* TS-Mast : Wide Visible 3-Stage Full Free Lift Mast with 2 Free Lift Cylinders.

* standard

Mast Specifications (33D-7E)

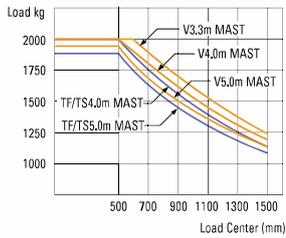
| Mast Type | Maximum Fork Height mm | Overall Height (Lowered) mm | | Free Lift (mm) | | Tilt Angle | | Load Capacity without Side Shift 600mm LC (kg) | | Load Capacity with Side Shift 600mm LC (kg) | | Truck Weight Unload (kg) | |
|---------------------------|------------------------|-----------------------------|--------|----------------|------------------|------------|----------|--|-------------|---|-------------|--------------------------|-------------|
| | | | | With Backrest | Without Backrest | | | Single Tire | Double Tire | Single Tire | Double Tire | Single Tire | Double Tire |
| | | 33D-7E | 33D-7E | 33D-7E | 33D-7E | Forward | Backward | 33D-7E | 33D-7E | 33D-7E | 33D-7E | 33D-7E | 33D-7E |
| 2-Stage limited free lift | V290 | 2900 | 2040 | 155 | 155 | 6 | 10 | 3300 | 3300 | 3300 | 3300 | 4767 | 4858 |
| | *V320 | 3200 | 2190 | 155 | 155 | 6 | 10 | 3300 | 3300 | 3300 | 3300 | 4791 | 4882 |
| | V340 | 3400 | 2290 | 155 | 155 | 6 | 10 | 3300 | 3300 | 3300 | 3300 | 4807 | 4898 |
| | V360 | 3600 | 2440 | 155 | 155 | 6 | 10 | 3300 | 3300 | 3300 | 3300 | 4830 | 4921 |
| | V390 | 3900 | 2590 | 155 | 155 | 6 | 10 | 3300 | 3300 | 3300 | 3300 | 4862 | 4953 |
| | V420 | 4200 | 2740 | 155 | 155 | 6 | 6 | 3300 | 3300 | 3275 | 3300 | 4916 | 5007 |
| | V440 | 4400 | 2890 | 155 | 155 | 6 | 6 | 3275 | 3300 | 3200 | 3300 | 4940 | 5031 |
| | V460 | 4600 | 2990 | 155 | 155 | 6 | 6 | 3225 | 3300 | 3150 | 3250 | 4955 | 5046 |
| V490 | 4900 | 3140 | 155 | 155 | 6 | 6 | 3175 | 3250 | 3100 | 3150 | 4979 | 5070 | |
| 2-Stage full free lift | VF290 | 2900 | 2090 | 910 | 1269 | 6 | 6 | 3300 | 3300 | 3300 | 3300 | 4905 | 4896 |
| | VF320 | 3200 | 2240 | 1060 | 1419 | 6 | 6 | 3300 | 3300 | 3300 | 3300 | 4941 | 4932 |
| 3-Stage full free lift | TF370/TS370 | 3700 | 1890 | 710 | 1069 | 6 | 6 | 3300 | 3300 | 3300 | 3300 | 4948 | 5039 |
| | TF400/TS400 | 4000 | 1990 | 810 | 1169 | 6 | 6 | 3275 | 3300 | 3200 | 3300 | 4970 | 5061 |
| | TF430/TS430 | 4300 | 2090 | 910 | 1269 | 6 | 6 | 3200 | 3300 | 3150 | 3225 | 4991 | 5082 |
| | TF450/TS450 | 4500 | 2190 | 1010 | 1369 | 6 | 6 | 3150 | 3250 | 3075 | 3175 | 5013 | 5104 |
| | TF470/TS470 | 4700 | 2240 | 1060 | 1419 | 6 | 6 | 3100 | 3200 | 3025 | 3125 | 5026 | 5117 |
| | TF500/TS500 | 5000 | 2340 | 1160 | 1519 | 6 | 6 | 3050 | 3125 | 2950 | 3050 | 5049 | 5140 |
| | TF550/TS550 | 5500 | 2540 | 1360 | 1719 | 6 | 6 | 2700 | 3000 | 2450 | 2925 | 5092 | 5183 |
| | TF600/TS600 | 6000 | 2740 | 1560 | 1919 | 6 | 6 | 1750 | 2900 | 1450 | 2625 | 5165 | 5256 |
| 4-Stage full free lift | QF610 | 6115 | 2225 | 1045 | 1449 | 3 | 3 | 1950 | 2830 | 1850 | 2730 | 5296 | 5372 |
| | QF660 | 6615 | 2425 | 1245 | 1649 | 3 | 3 | 1850 | 2700 | 1750 | 2600 | 5356 | 5433 |
| | QF700 | 7015 | 2525 | 1345 | 1749 | 3 | 3 | 1850 | 2580 | 1450 | 2480 | 5386 | 5462 |
| | QF745 | 7465 | 2675 | 1495 | 1899 | 3 | 3 | 1000 | 2440 | 900 | 2340 | 5428 | 5505 |
| | QF790 | 7915 | 2825 | 1645 | 2049 | 3 | 3 | 600 | 1300 | 500 | 1200 | 5532 | 5609 |

* TS-Mast : Wide Visible 3-Stage Full Free Lift Mast with 2 Free Lift Cylinders.

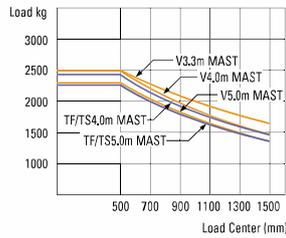
* standard

Load Capacity

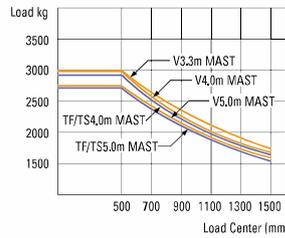
20D-7E



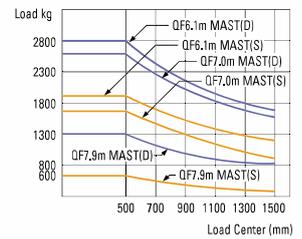
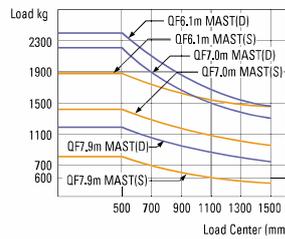
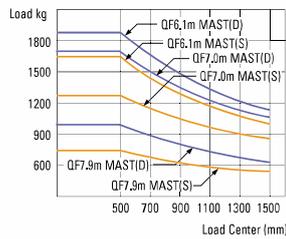
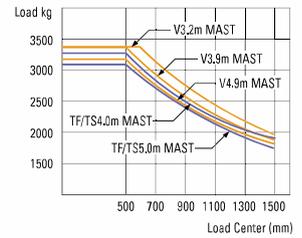
25D-7E



30D-7E



33D-7E



Side Shift



Hinged Forks



Hinged Bucket



Rotating Forks



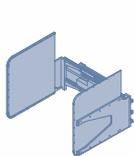
Push Pull



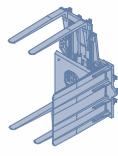
Rotating Roll Clamp



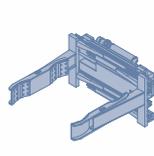
Load Stabilizer



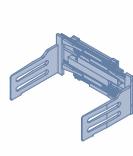
Carton Clamp



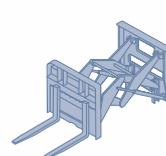
Pallet Invert



Drum Clamp



Bale Clamp



Load Extender



Fork Positioner

• FORK (L x W x T) (mm)

20D / 25D-7E

| | | |
|-----------------|-----------------|-----------------|
| 900 X 100 X 45 | 1000 X 100 X 45 | 1050 X 100 X 45 |
| 1200 X 100 X 45 | 1350 X 100 X 45 | 1500 X 100 X 45 |
| 1650 X 100 X 45 | 1800 X 100 X 45 | |

30D / 33D-7E

| | | |
|-----------------|-----------------|-----------------|
| 900 X 122 X 45 | 1150 X 122 X 45 | 1050 X 122 X 45 |
| 1200 X 122 X 45 | 1350 X 122 X 45 | 1500 X 122 X 45 |
| 1650 X 122 X 45 | 1800 X 122 X 45 | 2400 X 122 X 45 |
| 2120 X 122 X 45 | 1970 X 122 X 45 | 2300 X 122 X 45 |

• Overshoe(mm)

1300 / 1500 / 1700 / 1800

• Tilting (6°/10°, 6°/6°, 3°/3°)

• Sideshift

• Integral Sideshift

• Attach Piping (3-Spool piping / 4-Spool piping)

• Hose - Reel (VF)

• Fuel Cap (Without key / With key)

• Brake Pedal (Hydraulic Booster)

• Exhaust (Horizontal / Vertical)

• Muffler (Spark Arrester)

• Seat (Seat Belt, Arm rest, Hip rest)

• Tire (Cushion, No-Marking, Double)

• Opss (Travel / Travel + Mast)

• MCV (3-Spool / 4-Spool)

• Master S/W

• Beacon Lamp

• Hazard S/W

• Work Lamp

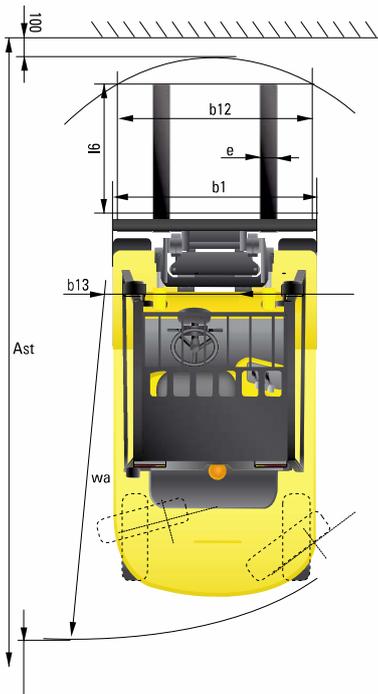
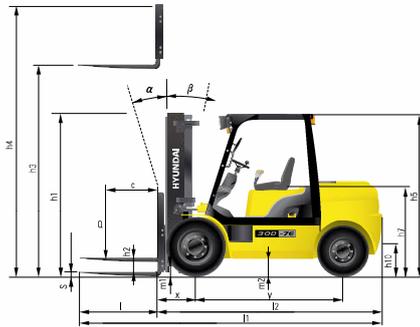
• Cabin & Heater

Notes

Notes

A large rectangular area with horizontal dotted lines for writing notes.

Dimensions



Specifications

Identification

| | | | | | | |
|-----|--|--------|---------|---------|---------|---------|
| 1.1 | Manufacturer | | Hyundai | Hyundai | Hyundai | Hyundai |
| 1.2 | Type | | 20D-7E | 25D-7E | 30D-7E | 33D-7E |
| 1.3 | Drive: electric (battery or mains), diesel, petrol, fuel gas, manual | | DIESEL | DIESEL | DIESEL | DIESEL |
| 1.4 | Type of operation: hand, pedestrian, standing, seated, order-picker | | seated | seated | seated | seated |
| 1.5 | Load capacity (standard) | Q (t) | 2000 | 2500 | 3000 | 3300 |
| 1.6 | Load center distance | c (mm) | 500 | 500 | 500 | 500 |
| 1.8 | Load distance, center of drive axle to forks | x (mm) | 461 | 461 | 464 | 464 |
| 1.9 | Wheelbase | y (mm) | 1650 | 1650 | 1700 | 1700 |

Weights

| | | | | | | |
|-----|-----------------------------------|----|-------------|-------------|-------------|-------------|
| 2.1 | Service weight | kg | 3604 | 3894 | 4411 | 4823 |
| 2.2 | Axle loading, loaded front/rear | kg | 4847 / 757 | 5579 / 815 | 6450 / 961 | 6885 / 1238 |
| 2.3 | Axle loading, unloaded front/rear | kg | 1683 / 1921 | 1623 / 2271 | 1748 / 2663 | 1713 / 3110 |

Wheels, chassis

| | | | | | | |
|-----|--|----------|------------------|------------------|------------------|------------------|
| 3.1 | Tires: solid rubber, superelastic, pneumatic, polyurethane | | pneumatic | pneumatic | pneumatic | pneumatic |
| 3.2 | Tires size, front | | 7.00 - 12 - 12PR | 7.00 - 12 - 12PR | 28x9 - 15 - 14PR | 28x9 - 15 - 14PR |
| 3.3 | Tires size, rear | | 6.00 - 9 - 10PR | 6.00 - 9 - 10PR | 6.50 - 10 - 12PR | 6.50 - 10 - 12PR |
| 3.5 | Wheels, number front / rear (X= driven wheels) | | 2x / 2 | 2x / 2 | 2x / 2 | 2x / 2 |
| 3.6 | Track width, front | b10 (mm) | 965 | 965 | 1005 | 1005 |
| 3.7 | Track width, rear | b11 (mm) | 980 | 980 | 980 | 980 |

Basic dimensions

| | | | | | | |
|------|---|----------------|-----------------|-----------------|-----------------|-----------------|
| 4.1 | Mast/fork carriage tilt forward/backward (α / β) | degrees | 6 / 10 | 6 / 10 | 6 / 10 | 6 / 10 |
| 4.2 | Lowered mast height (standard) | h1 (mm) | 2175 | 2175 | 2190 | 2190 |
| 4.3 | Free lift | h2 (mm) | 155 | 155 | 155 | 155 |
| 4.4 | Lift height (standard) | h3 (mm) | 3300 | 3300 | 3300 | 3200 |
| 4.5 | Extended mast height (standard) | h4 (mm) | 4485 | 4485 | 4485 | 4385 |
| 4.7 | Overhead load guard (cab) height | h5 (mm) | 2160 | 2160 | 2180 | 2180 |
| 4.8 | Seat height / standing height | h7 (mm) | 1110 | 1110 | 1130 | 1130 |
| 4.12 | Coupling height | h10 (mm) | 283 | 283 | 299 | 299 |
| 4.19 | Overall length | l1 (mm) | 3584 | 3644 | 3742 | 3782 |
| 4.20 | Length to face of forks | l2 (mm) | 2534 | 2594 | 2692 | 2732 |
| 4.21 | Overall width | b1 (mm) | 1160 | 1160 | 1230 | 1230 |
| 4.22 | Fork dimensions LxWxT | l x e x s (mm) | 1050 x 100 x 45 | 1050 x 100 x 45 | 1050 x 122 x 45 | 1050 x 122 x 45 |
| 4.23 | Fork carriage ISO 2328, class / type A, B | | 2A | 2A | 3A | 3A |
| 4.24 | Fork carriage width | b12 (mm) | 1102 | 1102 | 1102 | 1102 |
| 4.31 | Ground clearance, loaded, under mast | m1 (mm) | 130 | 130 | 145 | 145 |
| 4.32 | Ground clearance, centre of wheelbase | m2 (mm) | 171 | 171 | 189 | 189 |
| 4.33 | Aisle width for pallets 1000 x 1200 crossways (L x W) | Ast (mm) | 3916 | 3970 | 4066 | 4102 |
| 4.34 | Aisle width for pallets 800 x 1200 lengthways (W x L) | Ast (mm) | 4116 | 4170 | 4266 | 4302 |
| 4.35 | Turning radius | Wa (mm) | 2248 | 2302 | 2398 | 2434 |
| 4.36 | Smallest pivot point distance | b13 (mm) | 714 | 714 | 731 | 731 |

Performance data

| | | | | | | |
|------|--|------|-------------|-------------|-------------|-------------|
| 5.1 | Travel speed, unloaded | km/h | 18.4 | 18.4 | 19.3 | 19.3 |
| 5.2 | Lift speed, loaded/unloaded | mm/s | 560 / 590 | 540 / 590 | 480 / 500 | 470 / 500 |
| 5.3 | Lowering speed, loaded/unloaded | mm/s | 500 / 450 | 500 / 450 | 500 / 450 | 500 / 450 |
| 5.5 | Drawbar pull, loaded | kg | 2568 | 2591 | 2464 | 2472 |
| 5.7 | Gradient performance, loaded/unloaded | % | 45,0 / 24,8 | 39,0 / 22,1 | 31,2 / 21,0 | 28,3 / 18,7 |
| 5.9 | Acceleration time, loaded/unloaded (10m) | sec | NA | NA | NA | NA |
| 5.10 | Service brake | | FOOT | FOOT | FOOT | FOOT |

Engine

| | | | | | | |
|-----|------------------------------------|-----------------------|--------------|--------------|--------------|--------------|
| 6.1 | Engine manufacturer / type | | KUBOTA V3600 | KUBOTA V3600 | KUBOTA V3600 | KUBOTA V3600 |
| 6.2 | Engine power acc. To ISO 1585 | kW | 48 | 48 | 48 | 48 |
| 6.3 | Rated speed | 1/min | 2300 | 2300 | 2300 | 2300 |
| 6.4 | No. of cylinder / cubic capacity | anz / cm ³ | 4 / 3620 | 4 / 3620 | 4 / 3620 | 4 / 3620 |
| 6.5 | Fuel consumption acc. to VDI cycle | ℓ/h | 2.1 | 2.2 | 2.5 | 2.8 |

Other details

| | | | | | | |
|-----|--|-------|-------------|-------------|-------------|-------------|
| 8.1 | Type of drive control | | power shift | power shift | power shift | power shift |
| 8.2 | Operating pressure (attachments) | bar | 205 / 170 | 205 / 170 | 205 / 170 | 205 / 170 |
| 8.3 | Hydraulic oil flow (attachments) | ℓ | 30 | 30 | 30 | 30 |
| 8.4 | Sound level at driver's ear according to DIN 12053 | db(A) | 80 | 80 | 80 | 80 |

Contact your Hyundai dealer for more information. The machine shown may vary according to International standards. All US measurement rounded off to nearest pounds or inches. Materials and specifications are subject to change without notice.

PLEASE CONTACT

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CONSTRUCTION EQUIPMENT