

We build a better future

▪ Some of the photos may include optional equipment.

HYUNDAI DIESEL FORKLIFT TRUCKS Applied Tier 3 Engine

250D-7E

HYUNDAI
HEAVY INDUSTRIES CO.,LTD.

HYUNDAI | FORKLIFT
HEAVY INDUSTRIES CO.,LTD.

Head Office(Sales Office)
14th FL., HYUNDAI BLDG. 140-2, KYE-DONG, JONGNO-GU, SEOUL, KOREA 110-793
Tel (82) (2) 746-4609,4638 **Fax** (82) (2) 746-7444~7445

Americas Operation : Hyundai Construction Equipment Americas, Inc.
955 ESTES AVENUE, ELK GROVE VILLAGE IL.,60007 **Tel** (1) 847-437-3333 **Fax** (1) 847-437-3574

Europe Operation : Hyundai Heavy Industries Europe N.V.
VOSSENDAAL 11, 2440 GEEL, BELGIUM **Tel** (32) 14-56-2200 **Fax** (32) 14-59-3405

PLEASE CONTACT

www.hyundai-ce.com 2011. 10. Rev.1

NEW criterion
of Big Forklift Truck

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



Excellent



Cruise Control



Instrument Switch Panel



Air Conditioner & Heater



Rear View Camera



Load Indicator



ESL(Engine Start Limit)

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

Smooth running, efficiently and ergonomically designed, 250D-7E series are made to meet your needs.



194kW/2,200rpm
120.4kgf·m/1,400rpm

Powerful Engine

Cummins QSC Engine

The six cylinders turbo-charged engine is built for power, reliability and economy. This engine meets EPA Tier 3 and EU stage IIIA emission regulation.



Engine Control Mode

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

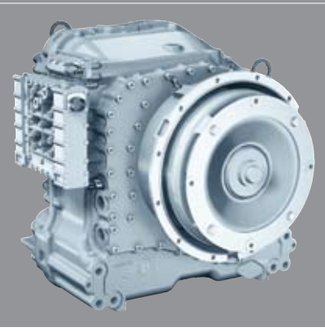


Adjustable Engine Low Idle RPM

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

Full-automatic Transmission

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





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Cruise Control

It offers the ability to automatically maintain a desired engine speed with no accelerator pedal input and reduce fuel consumption.



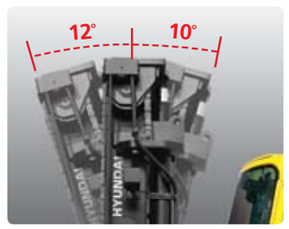
Transmission Control Switch





Excellent Night Work

- Various position of work lamp provides the operator more comfortable and safe operating environments.
- Front : fender(2), mast(2) - Rear : cab(2)



Increased Mast Tilting Angle

Utilizing the mast tilting angle of 12 degrees forward and 10 degrees backward, the operator can perform loading and unloading jobs safely and rapidly.

Faster Travel Speed & Better Gradability

The powerful engine provides greater acceleration, better gradability and faster travel speed on any tough terrains or slopes.



Gradability(Loaded)
250D-7E : 33.8%

Travel Speed(Unloaded)
250D-7E : 31.7 km/h

Ergonomic driving space design!

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

Operator Friendly Gauges and Water-resistant Monitor Panel





Easily adjustable suspension seat

An attractive and adjustable seat, based on a human engineering design, provides great comfort, safety and durability.
(Head Rest - option)



High-output Air Conditioner & Heater (Option)

An air conditioner with integrated the condenser is mounted on upper side of the cabin to make a wide room in the cabin.
And an air conditioner with high-output and heater always provide you with comfortable environment when you work.





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Rear View Camera

The rear view camera makes the operation more easy and convenient. And it supports 4 camera channels.



Load Indicator

A load can be placed on the fork and can be accurately weighed by measuring the hydraulic pressure.



Centralized Instrument switch Panel



MP3 CD Player & Remote Control



Hands Free Socket (Option)



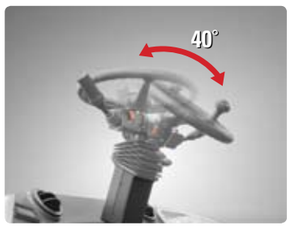
Quick Response of Operating Control Levers

Only minimal operator's effort is required for precise, safe and productive control.
(5-Lever 6-Function : standard
5-Lever 7-Function : option)



Ergonomically Positioned Pedals

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





Adjustable Steering Column

Steering handle is adjustable depending on the operator's body shape. Adjustability of steering column makes you more comfortable.

Danger-free through high durability!

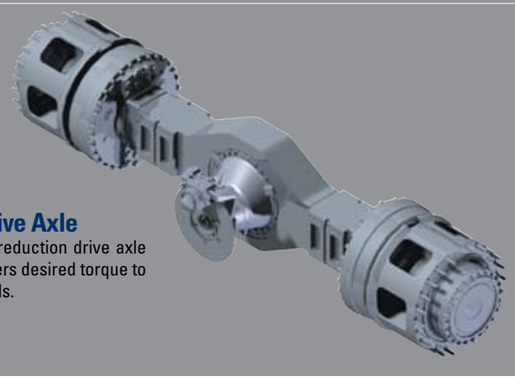
Safety and durability are priorities in design of the equipment.



Up-to-date Cooling System
The minimum fuel consumption and low noise are available by applying hydraulic cooling fan sensing intake air temperature, transmission oil temperature, coolant temperature and hydraulic temperature.



OPSS(Operator Presence Sensing System)
Control of mast tilting, lifting and lowering is not possible through operation of the appropriate control when the operators is not in the normal position.



Durable Drive Axle
The planetary reduction drive axle smoothly delivers desired torque to the drive wheels.



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Wet Disc Brake System
The wet disc brake system is virtually maintenance free and is enclosed to protect from dust and water.



Auto Parking
The parking brake is engaged automatically when the transmission is neutral and the operator leaves the seat.



Cabin Tilting Automatic System
Cabin tilting automatic system 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.



Grease Fittings
Grease fittings are installed for fast access to steering axle center pin when doing your service checks.





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



Highly Durable Carriage
The carriage is very strong cause of applying the high tensile structural steel which has a excellent durability.



Large Footboard & Handle
Wide “open” step offers convenience and safety when entering and exiting the truck.

Centralized design for easy service!

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



Large Engine Hood
Highly accessible engine compartment assures fast and efficient maintenance.



Easy Change Air Cleaner
This air filter is readily accessible for cleaning or replacement.



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.



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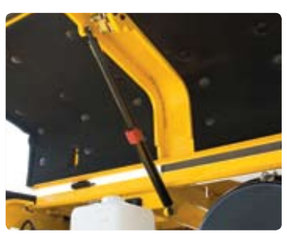
Compact fuse Box for Easy Inspection



Mechanic Friendly Fuel Filter Replacement
Highly accessible engine compartment allows for quick replacement of filters.



Electrically Monitored Air Filter
Air cleaner sensor alerts the operator of a clogged air filter and allows replacement before damage.



Automatic Self Locking Gas Spring
Engine compartment hood is safely opened by a self locking gas spring.



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



Large Tool Box



Pressure Gauge Port



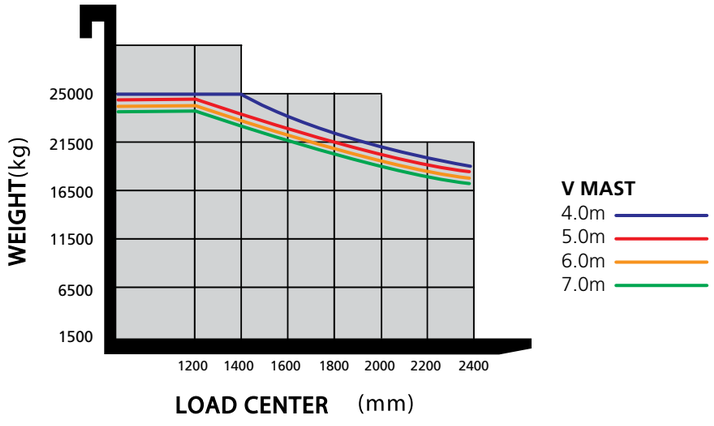
Easy Maintenance Oil Check

Mast Specification

Mast Type		Maximum Fork Height (mm)	Overall Height Lowerd (mm)	Tilt Angle (deg)		Load Capacity (1,200mm LC)(kg)	Truck Weight Unloaded (kg)
				Fwd	Bwd		
		250D-7E					
2-Stage Limited Free Lift	* V345	3,476	3,600	12	10	25,000	36,633
	V450	4,530	4,127	12	10	25,000	37,271
	V500	5,030	4,377	12	10	25,000	37,526
	V550	5,530	4,627	12	10	24,950	37,788
	V600	6,030	4,877	12	10	24,950	38,379
	V650	6,530	5,127	12	10	24,450	38,686
	V700	7,030	5,377	12	10	23,550	38,968

* STANDARD

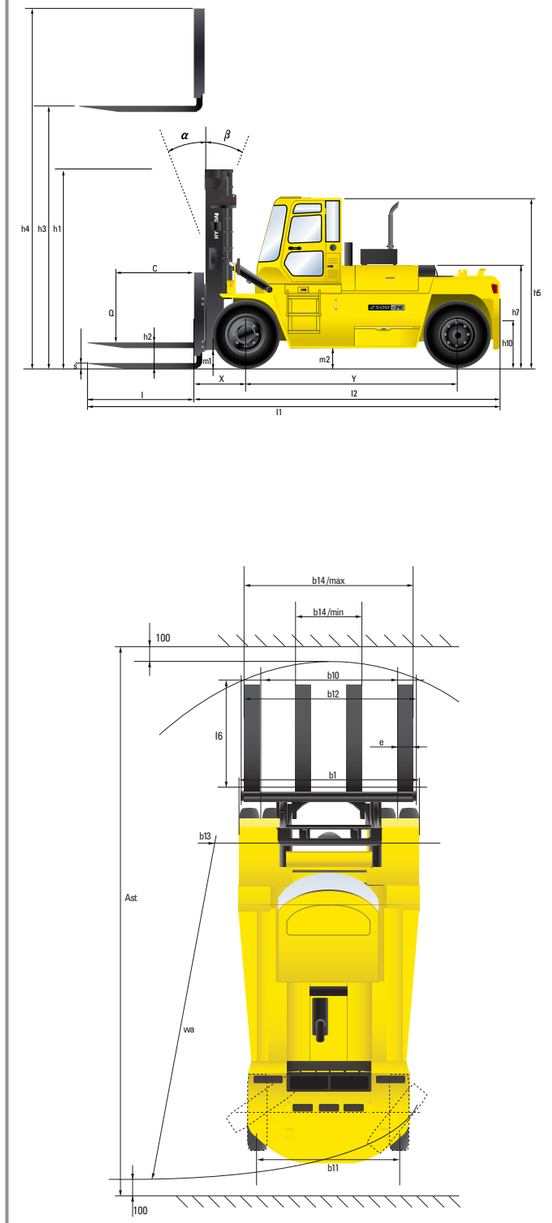
Load Capacity



Optional Items

- **FORK (L x W x T)(mm)**
  2,450 x 250 x 110(STD)
  3,150 x 250 x 110
  3,650 x 250 x 110
- **MCV :** 6 - SPOOL
- **INTEGRATED FORK POSITIONER(INDEPENDENT) + SIDE SHIFT(STD)**
- **AIR COMPRESSOR**
- **HANDS FREE**
- **TERMINAL WEST FORK CARRIAGE**
- **BEACON LAMP**

Dimension



Specification

Identification			
1.1	Manufacturer		Hyundai
1.2	Manufacturer's type designation		250D-7E
1.3	Drive: electric (battery or mains),diesel,petrol,fuel gas,manual		DIESEL
1.4	Type of operation:hand,pedestrian,standing,seated,order-picker		seated
1.5	Load capacity / rated load	Q (t)	25.0
1.6	Load center distance	c (mm)	1,200
1.8	Load distance, center of drive axle to fork	x(mm)	1,100
1.9	Wheelbase	y(mm)	4,250
Weights			
2.1	Service weight	kg	37,021
2.2	Axle loading, loaded front/rear	kg	57,277 / 4,745
2.3	Axle loading, unloaded front/rear	kg	18,647 / 18,374
Wheels, Chassis			
3.1	Tires:solid rubber, superplastic, pneumatic, polyurethane		Pneumatic
3.2	Tires size, front(width x Φ)		14.00 - 24 - 28PR
3.3	Tires size, rear(width x Φ)		14.00 - 24 - 28PR
3.5	Wheels, number front x rear (x=driven wheels)		4 x 2
3.6	Track width, front	b10 (mm)	2,212
3.7	Track width, rear	b11 (mm)	2,140
Basic Dimensions			
4.1	Mast / fork carriage tilt forward / backward(α / β)	degrees	12 / 10
4.2	Lowered mast height	h1 (mm)	3,877
4.3	Free lift	h2 (mm)	0
4.4	Lift height	h3 (mm)	4,030
4.5	Extended mast height	h4 (mm)	5,837
4.7	Overhead load guard (cab) height	h5 (mm)	3,223
4.8	Seat height / standing height	h7 (mm)	2,150
4.12	Coupling height	h10 (mm)	528
4.19	Overall length	l1 (mm)	8,812
4.20	Length to face of forks	l2 (mm)	6,362
4.21	Overall width	b1 (mm)	3,050
4.22	Fork dimensions	l / e / s (mm)	2,450 x 250 x 110
4.24	Fork-carriage width	b12 (mm)	2,950
4.25	Fork spread min/max	b14 (mm)	970/2600
4.31	Ground clearance, loaded, under mast	m1(mm)	300
4.32	Ground clearance, centre of wheelbase	m2(mm)	250
4.33	Aisle width for pallets 1000x1200 crossways	Ast(mm)	9,569
4.34	Aisle width for pallets 800x1200 lengthways	Ast(mm)	9,569
4.35	Turning radius	Wa(mm)	5,807
4.36	Smallest pivot point distance	b13(mm)	1,981
Performance Data			
5.1	Travel speed, Unloaded	km/h	31.7
5.2	Lift speed, Loaded/Unloaded	mm/s	250 /280
5.3	Lowering speed, Loaded/Unloaded	mm/s	400 / 300
5.5	Drawbar pull, Loaded	KN	21.5
5.7	Gradient performance, Loaded	%	33.8
5.10	Service brake		Wet, Hydraulic
Engine			
6.1	Engine manufacturer / type		Cummins QSC
6.2	Engine power acc. to ISO 1585	kW	194
6.3	Rated speed	1/min	2,200
6.4	No. of cylinder / cubic capacity	/cm³	8,300
6.5	Fuel consumption acc. To VDI cycle	ℓ / h	25
Other Details			
8.1	Type of drive control		Power Shift
8.2	Operating pressure for attachments(system/attach)	bar	240 / 160
8.3	Oil volume for attachments	Litter	270
8.4	Sound level at driver's ear according to DIN 12 053	db(A)	77