■ Contact your Hyundai dealer for more information. The machine shown may vary according to International standards.

HYUNDAI
HEAVY INDUSTRIES CO.,LTD.

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■ Some of the photos may include optional equipment.

We build a better future

HYUNDAI DIESEL FORKLIFT TRUCKS Applied Tier 3 Engine

180D-7E

HYUNDAI
HEAVY INDUSTRIES CO.,LTD.

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
(Option)

Rear View Camera
(Option)

Load Indicator
(Option)

ESL(Engine Start Limit)
(Option)

▪ Some of the photos may include optional equipment.

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

Smooth running, efficiently and ergonomically designed, 180D-7E series are made to meet your needs.

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.

194kW/2,200rpm
120.4kgf·m/1,400rpm

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)

▪ Some of the photos may include optional equipment.

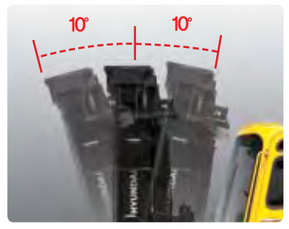
Cruise Control

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 10 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)
180D-7E : 32.7%

Travel Speed(Unloaded)
180D-7E : 40.4km/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.

• Some of the photos may include optional equipment.

Rear View Camera (Option)

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

Load Indicator (Option)

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

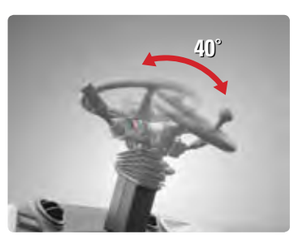
Hands Free Socket (Option)

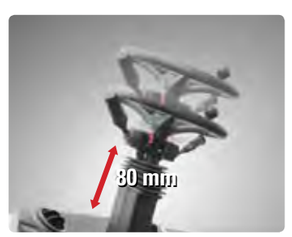
Quick Response of Operating Control Levers

Only minimal operator's effort is required for precise, safe and productive control.
(3-Lever : standard / 4 · 5-Lever : 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

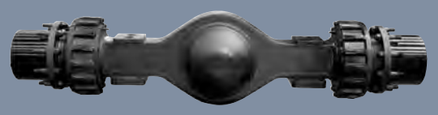
Steering handle is adjustable depending on the operator's body shape. Adjustability of steering column makes you more comfortable.

Danger-free through high durability!

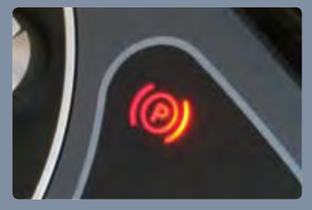
Safety and durability are priorities in design of the equipment.

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 hypoid type planetary reduction drive axle smoothly delivers desired torque to the drive wheels.



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

■ Some of the photos may include optional equipment.

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

Fitted Protector for Hub Bolts
Durability has improved by applying protector for preventing bolts breakage. (Easy parts supply due to the wheel in common with front wheel)

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.

■ Some of the photos may include optional equipment.

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

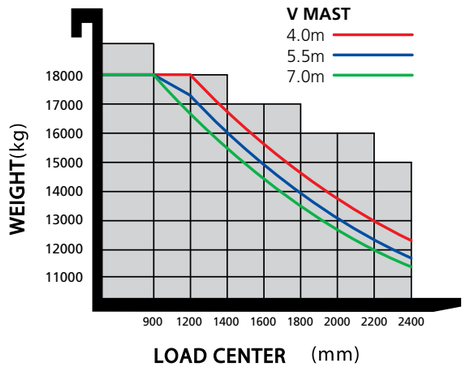
Easy Maintenance Oil Check

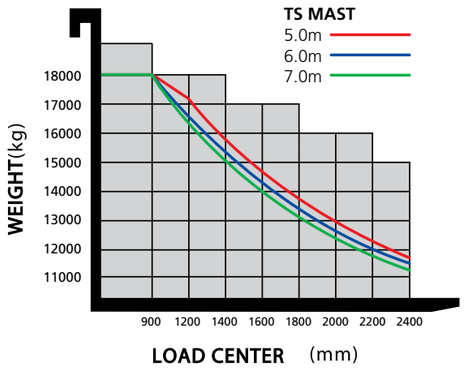
Mast Specification

Mast Type		Maximum Fork Height (mm)	Overall Height Lowerd (mm)	Tilt Angle (mm)	Load Capacity (900mm LC)(kg)	Truck Weight Unloaded (kg)
		180D-7E			180D-7E	180D-7E
2-Stage Limited Free Lift	V300	3,020	3,250	10/10	18,000	25,577
	* V330	3,320	3,400	10/10	18,000	25,689
	V350	3,520	3,500	10/10	18,000	25,764
	V400	4,020	3,750	10/10	18,000	25,694
	V450	4,520	4,000	10/10	18,000	26,140
	V500	5,020	4,250	10/10	18,000	26,365
	V550	5,520	4,500	10/10	18,000	26,555
	V600	6,020	4,750	10/10	18,000	26,781
	V650	6,520	5,000	10/10	18,000	26,986
	V700	7,020	5,250	10/10	18,000	27,174
3-Stage Full Free Lift	TS450	4,515	2,950	10/10	18,000	26,661
	TS500	5,014	3,297	10/10	18,000	26,959
	TS550	5,514	3,464	10/10	18,000	27,129
	TS600	6,014	3,631	10/10	18,000	27,302
	TS650	6,514	3,798	10/10	18,000	27,468
	TS700	7,014	3,965	10/10	18,000	27,641

* STANDARD

Load Capacity

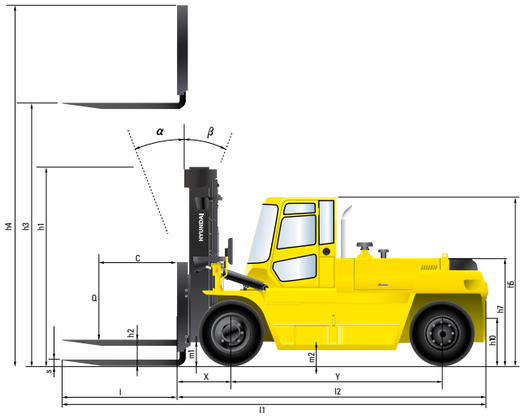


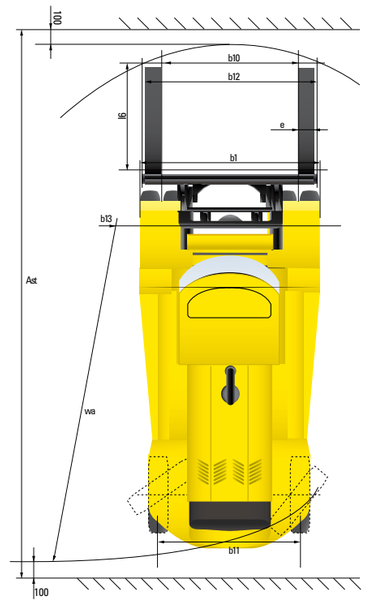


Optional Items

- **FORK (L x W x T)(mm)**
  2,000 x 250 x 100(STD)
  2,450 x 250 x 100
  3,150 x 250 x 100
- **MCV :** 4 - SPOOL/ 5 - SPOOL
- **INTEGRAL FORK POSITIONER(INDEPENDENT)**
- **INTEGRAL FORK POSITIONER + SIDE SHIFT**
- **AIR COMPRESSOR**
- **INTEGRATED AIR CONDITIONER & HEATER**
- **HANDS FREE**
- **REAR VIEW CAMERA & LOAD INDICATOR**
- **ESL(ENGINE START LIMIT)**

Dimension





Specification

Identification			
1.1	Manufacturer		Hyundai
1.2	Manufacturer's type designation		180D-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)	18.0
1.6	Load center distance	c (mm)	900
1.8	Load distance, center of drive axle to fork	x(mm)	999
1.9	Wheelbase	y(mm)	3,750
Weights			
2.1	Service weight	kg	25,689
2.2	Axle loading, loaded front/rear	kg	39,685 / 4,004
2.3	Axle loading, unloaded front/rear	kg	12,570 / 13,119
Wheels, Chassis			
3.1	Tires:solid rubber, superplastic, pneumatic, polyurethane		Pneumatic
3.2	Tires size, front(width x Φ)		12.00 - 20 - 28PR
3.3	Tires size, rear(width x Φ)		12.00 - 20 - 28PR
3.5	Wheels, number front x rear (x=driven wheels)		4 x 2
3.6	Track width, front	b10 (mm)	1,846
3.7	Track width, rear	b11 (mm)	2,033
Basic Dimensions			
4.1	Mast / fork carriage tilt forward / backward(α / β)	degrees	10 / 10
4.2	Lowered mast height	h1 (mm)	3,400
4.3	Free lift	h2 (mm)	0
4.4	Lift height	h3 (mm)	3,320
4.5	Extended mast height	h4 (mm)	5,090
4.7	Overhead load guard (cab) height	h5 (mm)	2,935
4.8	Seat height / standing height	h7 (mm)	1,827
4.12	Coupling height	h10 (mm)	580
4.19	Overall length	l1 (mm)	8,045
4.20	Length to face of forks	l2 (mm)	5,595
4.21	Overall width	b1 (mm)	2,540
4.22	Fork dimensions	s / e / l(mm)	2,450 x 250 x 100
4.24	Fork-carriage width	b12 (mm)	2,540
4.31	Ground clearance, loaded, under mast	m1(mm)	245
4.32	Ground clearance, centre of wheelbase	m2(mm)	370
4.33	Aisle width for pallets 1000x1200 crossways	Ast(mm)	8,869
4.34	Aisle width for pallets 800x1200 lengthways	Ast(mm)	8,869
4.35	Turning radius	Wa(mm)	5,220
4.36	Smallest pivot point distance	b13(mm)	2,048
Performance Data			
5.1	Travel speed, Unloaded	km/h	40.4
5.2	Lift speed, Loaded/Unloaded	m/s	370 / 420
5.3	Lowering speed, Loaded/Unloaded	m/s	440 / 400
5.5	Drawbar pull, Loaded	N	143
5.7	Gradient performance, Loaded	%	32.7
5.9	Acceleration time, Loaded/ Unloaded(10m)	sec	-
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	6 / 8,300
6.5	Fuel consumption acc. To VDI cycle	ℓ/h	16.5
Other Details			
8.1	Type of drive control		Power Shift
8.2	Operating pressure for attachments(system/attach)	bar	240 / 165
8.3	Oil volume for attachments	l/min	195
8.4	Sound level at driver's ear according to DIN 12 053	db(A)	51