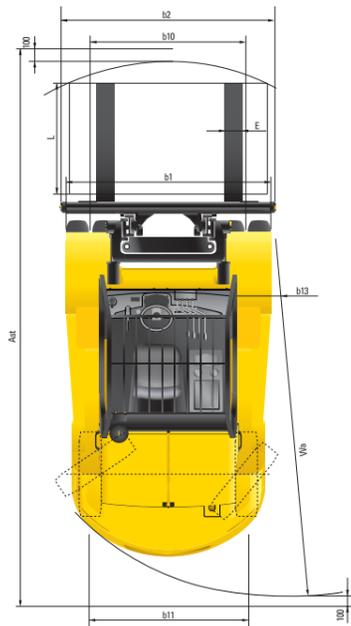


## Dimension



## Specification

■ Identification						
1.1	Manufacturer		Hyundai	Hyundai	Hyundai	Hyundai
1.2	Manufacturer's type designation		HDF50-7	HDF50-7S	HDF70-7	HDF70-7S
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 / rated load	Q(t)	5.0	5.0	7.0	7.0
1.6	Load center distance	c(mm)	600	600	600	600
1.8	Load distance, center of drive axle to fork	x(mm)	605	605	615	615
1.9	Wheelbase	y(mm)	2,300	2,300	2,300	2,300
■ Weights						
2.1	Service weight	kg	8,598	8,624	9,839	9,837
2.2	Axle loading, loaded front/rear	kg	11,983 / 1,615	12,004 / 1,620	14,918 / 1,922	14,896 / 1,940
2.3	Axle loading, unloaded front/rear	kg	4,342 / 4,256	4,363 / 4,261	4,220 / 5,620	4,198 / 5,638
■ Wheels, Chassis						
3.1	Tires: solid rubber, superelastic, pneumatic, polyurethane		pneumatic	pneumatic	pneumatic	pneumatic
3.2	Tires size, front (φ x width)		8.25-15-14	8.25-15-14	8.25-15-14	8.25-15-14
3.3	Tires size, rear (φ x width)		8.25-15-14	8.25-15-14	8.25-15-14	8.25-15-14
3.5	Wheels, number front x rear (x-driven wheels)		4 x 2	4 x 2	4 x 2	4 x 2
3.6	Track width, front	b10(mm)	1,580	1,580	1,580	1,580
3.7	Track width, rear	b11(mm)	1,604	1,604	1,604	1,604
■ Basic Dimensions						
4.1	Mast/fork carriage tilt forward/backward	α / β(degrees)	15/10	15/10	15/10	15/10
4.2	Lowered mast height	h1(mm)	2,515	2,515	2,515	2,515
4.3	Free lift	h2(mm)	140	140	140	140
4.4	Lift height	h3(mm)	3,000	3,000	3,000	3,000
4.5	Extended mast height	h4(mm)	3,960	3,960	3,960	3,960
4.7	Overhead load guard (cab) height	h6(mm)	2,523	2,523	2,523	2,523
4.8	Seat height/ standing height	h7(mm)	1,464	1,464	1,464	1,464
4.12	Coupling height	h10(mm)	425	425	425	425
4.19	Overall length	l1(mm)	4,700	4,700	4,820	4,820
4.20	Length to face of forks	l2(mm)	3,500	3,500	3,620	3,620
4.21	Overall width	b1/b2(mm)	2,087	2,087	2,087	2,087
4.22	Fork dimensions(hook type)	L/E/S(mm)	1,200x150x60	1,200x150x60	1,200x150x65	1,200x150x65
4.23	Fork carriage ISO 2328, class/type A,B		class IV	class IV	class IV	class IV
4.24	Fork-carriage width	b2(mm)	2,068 / 2,268	2,068 / 2,268	2,068 / 2,268	2,068 / 2,268
4.31	Ground clearance, loaded, under mast	m1(mm)	195	195	195	195
4.32	Ground clearance, centre of wheelbase	m2(mm)	405	405	405	405
4.33	Aisle width for pallets 1000x1200 crossways	Ast(mm)	5,075	5,075	5,175	5,175
4.34	Aisle width for pallets 800x1200 lengthways	Ast(mm)	5,275	5,275	5,375	5,375
4.35	Turning radius	Wa(mm)	3,270	3,270	3,360	3,360
4.36	Smallest pivot point distance	b13(mm)	1,224	1,224	1,224	1,224
■ Performance Data						
5.1	Travel speed, loaded/ unloaded	km/h	33.3	32.7	33	32.2
5.2	Lift speed, loaded/ unloaded	mm/s	430 / 450	470/500	410/450	450/500
5.3	Lowering speed, loaded/unloaded	mm/s	500 / 450	500/450	500/450	500/450
5.5	Drawbar pull, loaded/ unloaded	N	66,205	57,957	66,891	58,585
5.7	Gradient performance, loaded/ unloaded	%	56.8	47.9	44.1	37.4
5.9	Acceleration time, loaded/ unloaded(10m)	sec	7 / 4	7 / 4	7 / 4	7 / 4
5.10	Service brake		mechanic/hydraulic			
■ Engine						
6.1	Engine manufacturer / type		Hyundai D4DD	MHI S6S-DT	Hyundai D4DD	MHI S6S-DT
6.2	Engine power acc. to ISO 1585	kW	72	64.7	72	64.7
6.3	Rated speed	1/min	2,300	2,200	2,300	2,200
6.4	No. of cylinder / cubic capacity	anz/cm <sup>3</sup>	4/3,907	6/4,996	4/3,907	6/4,996
6.5	Fuel consumption acc. To VDI cycle	ℓ /h	-	5.8	-	5.8
■ Other Details						
8.1	Type of drive control		-	-	-	-
8.2	Operating pressure for attachments	bar	185	185	185	185
8.3	Oil volume	ℓ /min	100	100	100	100
8.4	Sound level at driver's ear according to DIN 12 053	db(A)	87	87	87	87
8.5	Tow coupling, type DIN		N/A	N/A	N/A	N/A



\*Photo may include optional equipment.

We build a better future

FORKLIFT TRUCKS Environmentally - Friendly

# HDF50/70-7s

# HDF50/70-7

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2011. 10 Rev.8

**HYUNDAI**  
HEAVY INDUSTRIES CO., LTD.

## Revolutionizing the productivity in the material industry

Maximize the productivity of your business with HDF 50/70-7S, HDF 50/70-7. With our vast experience in the production of construction equipment, Hyundai is able to meet the demands of consumers.



\*Photo may include optional equipment.

## Absolute Power, The new master on the job-site !

New concept forklift truck HDF 50/70-7S, HDF 50/70-7 will increase your productivity more than ever.



\*Photo may include optional equipment.



### 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.  
(HDF 50/70-7S)

### Hyundai D4DD Engine (HDF 50/70-7)



### Faster Travel Speed & Gradeability

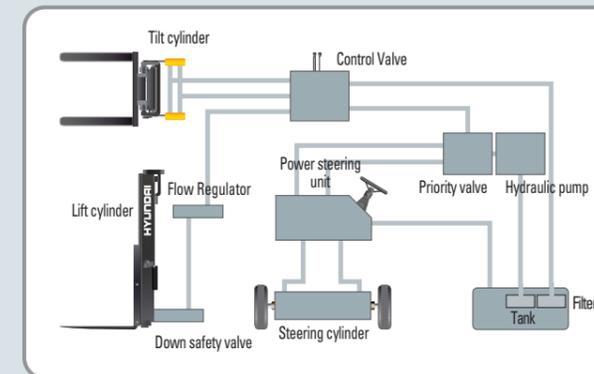
The powerful high-output engine provides greater acceleration, better gradeability and faster travel speed on any tough terrain or slope.

	Gradeability(Loaded)	Travel speed(Unloaded)
HDF50-7	29.6°	HDF50-7 33.3km/h
HDF70-7	23.8°	HDF70-7 33km/h
HDF50-7S	25.2°	HDF50-7S 33.5km/h
HDF70-7S	20.4°	HDF70-7S 33.2km/h



### 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.



### 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.



### Increased mast tilting angle

Utilizing the mast tilting angle of 15 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 filler

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



### 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.



### Operator friendly gauges and water-resistant monitor panel

- 1 Water temperature gauge
- 2 Hour meter
- 3 Directional indicators
- 4 Fuel gauge
- 5 Water separator lamp
- 6 Fuel warning lamp
- 7 Engine oil warning lamp
- 8 Battery charging warning lamp
- 9 Air cleaner filter warning light
- 10 Head light indicator
- 11 Working light indicator
- 12 Pre-heater indicator



### 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.

### The latest anti-vibration and shock absorbing system

The state-of-the-art hydraulic suspension cab system, using hydraulic and antivibration 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.



\*Photo may include optional equipment.

## Ergonomics driving space design !

A design based on human engineering relieves fatigue and increase 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.

### Easily adjustable suspension seat

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



## Danger-free through high durability !

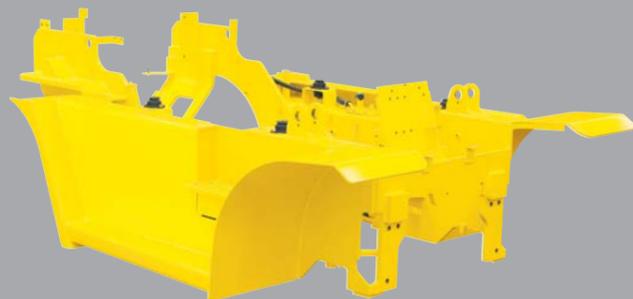
Safety and durability are priorities in the design of the equipment.



\*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.



### Strong overhead guard

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



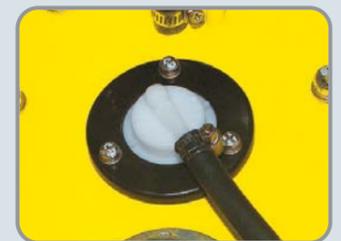
### Parking Brake

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



### Large footboard

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



### Fuel Tank Safety Valve

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



### Durable drive axle

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



### Full-automatic Transmission

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



### High durable mast

Included side roller with great durability for mast and carriage.



### 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.

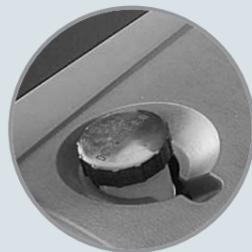


### Bright, protected headlights and rear working light

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

**Centralized design for easy service !**

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



**Brake fluid reservoir**

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



**Visible pre-cleaner**

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



**An accessible, compact fuse box for easy inspection**



**Electrically Monitored Air Filter**

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



**Mechanic friendly fuel filter replacement**

Highly accessible engine compartment allows for quick replacement of filters.



**Easy Maintenance oil check**

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



\*Photo may include optional equipment.



**Large Open Engine Hood**

Highly accessible engine compartment assures fast and efficient maintenance.



**Easy-to-access reservoir tank**



**Engine oil condition check**



**Maintenance free battery**



**Easy-to-change radiator**



**Transmission oil temp gauge**

The temperature gauge is located in the dash and provides the operator with visual reference of the transmission temperature.



**Easy Change Air Cleaner**

The air filter is readily accessible for cleaning or replacement.



**Automatic Self Locking Gas Spring**

Engine compartment hood is held safely open by a self locking gas spring.



**Large tool box**

Additional tool box located in machine side for operator's convenience.

## Mast Specification

### STANDARD : HOOK-ON TYPE FORK & CARRIAGE

MAST TYPE	Overall Height (mm)	Maximum Fork Height (mm)	Free Lift(mm)		Tilt Angle (deg)	Load Capacity (600mm LC) (kg)		Truck Weight (Unloaded) (kg)	
			Without Backrest	With Backrest		HDF50-7	HDF70-7	HDF50-7	HDF70-7
			HDF50/70-7 HDF50/70-7S	HDF50/70-7 HDF50/70-7S		HDF50-7 HDF50-7S	HDF70-7 HDF70-7S	HDF50-7 HDF50-7S	HDF70-7 HDF70-7S
V270	2,365	2,700	140	140	15/10	5,000	7,000	8,505	9,717
※ V300	2,515	3,000	140	140	15/10	5,000	7,000	8,552	9,765
V330	2,665	3,300	140	140	15/10	5,000	7,000	8,600	9,812
V350	2,765	3,500	140	140	15/10	5,000	7,000	8,632	9,844
V370	2,865	3,700	140	140	15/10	5,000	7,000	8,664	9,876
V400	3,015	4,000	140	140	15/10	5,000	7,000	8,720	9,932
V450	3,315	4,500	140	140	15/10	5,000	7,000	8,947	10,160
V500	3,565	5,000	140	140	15/10	5,000	7,000	9,027	10,239
V550	3,815	5,500	140	140	15/10	5,000	7,000	9,106	10,319
V600	4,065	6,000	140	140	15/10	5,000	7,000	9,185	10,397
TF450	2,565	4,560	1,580	1,360	15/10	5,000	7,000	9,163	10,392
TF500	2,765	5,060	1,780	1,560	15/10	5,000	7,000	9,255	10,484
TF560	2,965	5,600	1,980	1,760	15/10	5,000	6,900	9,366	10,595
TF600	3,165	6,060	2,180	1,960	15/10	5,000	6,750	9,454	10,683

※ Standard

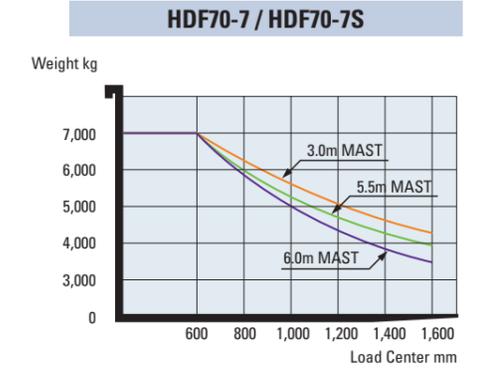
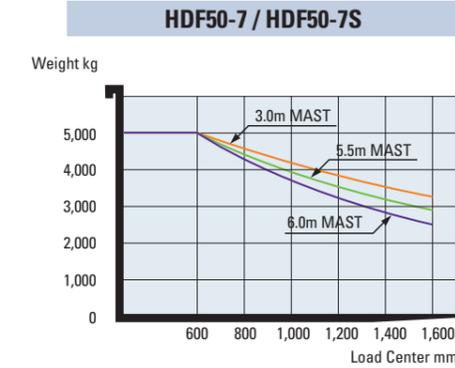
## Mast Specification

### OPTION : SHAFT-ON TYPE FORK & CARRIAGE

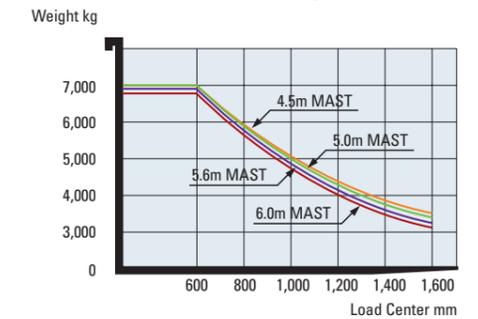
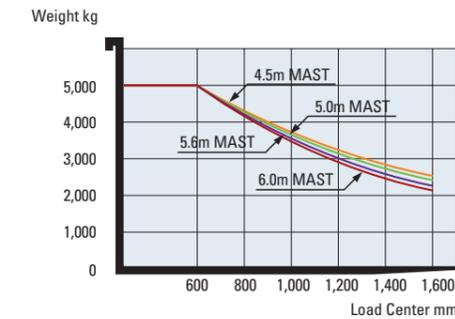
MAST TYPE	Overall Height (mm)	Maximum Fork Height (mm)	Free Lift(mm)		Tilt Angle (deg)	Load Capacity (600mm LC) (kg)		Truck Weight (Unloaded) (kg)	
			With Backrest			HDF50-7	HDF70-7	HDF50-7	HDF70-7
			HDF50/70-7 HDF50/70-7S	HDF50/70-7 HDF50/70-7S		HDF50-7 HDF50-7S	HDF70-7 HDF70-7S	HDF50-7 HDF50-7S	HDF70-7 HDF70-7S
V270	2,365	2,700	140	15/10	5,000	7,000	8,551	9,792	
※ V300	2,515	3,000	140	15/10	5,000	7,000	8,598	9,839	
V330	2,665	3,300	140	15/10	5,000	7,000	8,646	9,887	
V350	2,765	3,500	140	15/10	5,000	7,000	8,678	9,919	
V370	2,865	3,700	140	15/10	5,000	7,000	8,710	9,951	
V400	3,015	4,000	140	15/10	5,000	7,000	8,766	10,007	
V450	3,315	4,500	140	15/10	5,000	7,000	8,993	10,234	
V500	3,565	5,000	140	15/10	5,000	7,000	9,073	10,314	
V550	3,815	5,500	140	15/10	5,000	7,000	9,152	10,393	
V600	4,065	6,000	140	15/10	5,000	7,000	9,231	10,472	
TF450	2,565	4,560	1,320	15/10	5,000	7,000	9,190	10,454	
TF500	2,765	5,060	1,520	15/10	5,000	7,000	9,282	10,546	
TF560	2,965	5,600	1,720	15/10	5,000	6,900	9,393	10,657	
TF600	3,165	6,060	1,920	15/10	5,000	6,750	9,481	10,745	

※ Standard

## Load Capacity

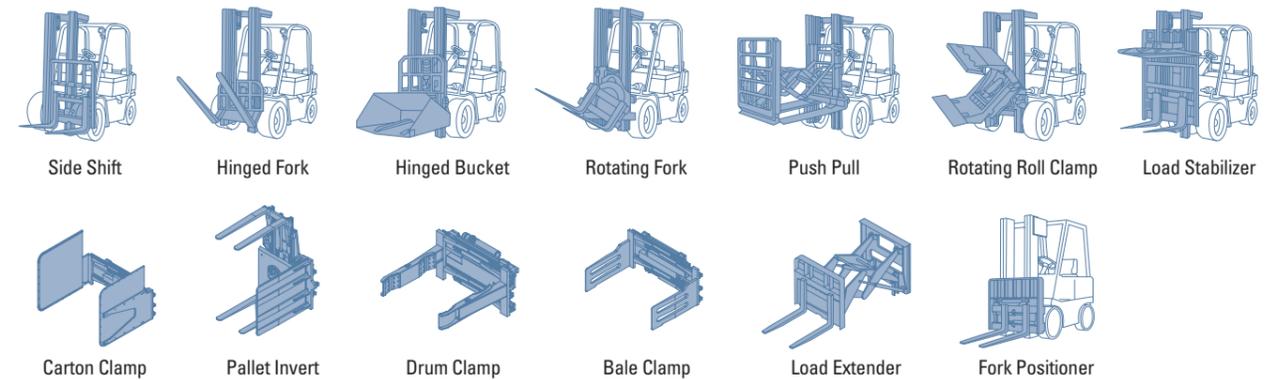


※ 2 Stage Limited Free lift



※ 3 Stage Full Free lift

## Various Attachments



## Optional Items

### FORK(LxWxT)(mm)

#### HDF50-7 / HDF50-7S (SHAFT · HOOK TYPE)

· 1,350 X 150 X 60 · 1,500 X 150 X 60 · 1,800 X 150 X 60  
· 2,000 X 150 X 60 · 2,400 X 150 X 60

#### HDF70-7 / HDF70-7S (SHAFT TYPE)

· 1,350 X 180 X 60 · 1,500 X 180 X 70 · 1,800 X 180 X 70  
· 2,000 X 180 X 70 · 2,400 X 180 X 70

### HDF70-7 / HDF70-7S (HOOK TYPE)

· 1,350 X 150 X 65 · 1,500 X 150 X 65 · 1,800 X 150 X 65

· 2,000 X 150 X 65 · 2,400 X 150 X 65

· MCV : 3-SPOOL / 4-SPOOL

· SEAT : ARM REST, SEAT BELT

· INTERNAL PIPING

· SOLID TIRE

· CABIN

· AIRCON

· HEATER

· REAR WORK LAMP

· OVER SHOE : 1,800 / 2,000 / 2,200 / 2,300

· HOSE-REEL

· ELECTRIC BEACON

· HAZARD SWITCH

· BACK BUZZER