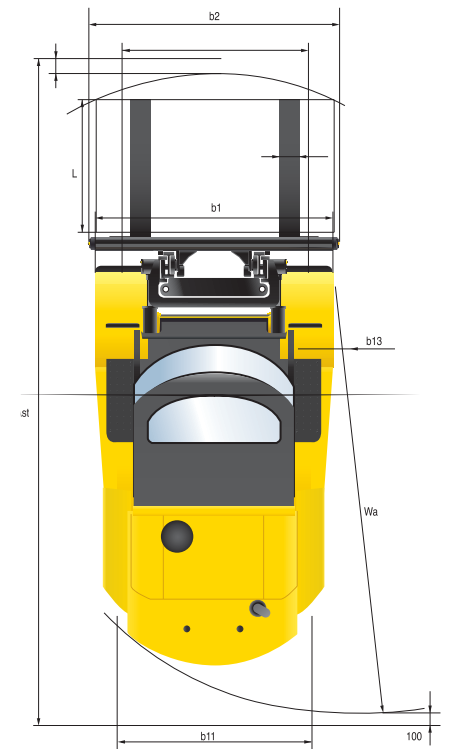
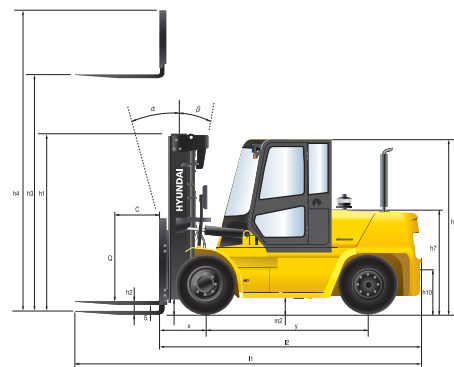


Dimension



Specification

Identification					
1.1	Manufacturer	Hyundai	Hyundai	Hyundai	Hyundai
1.2	Manufacturer's type designation	50D-7E ACE	60D-7E ACE	70D-7E ACE	80D-7E ACE
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	kg	5,000	6,000	7,000
1.6	Load center distance	c(mm)	600	600	600
1.7	Load distance, center of drive axle to fork	x(mm)	605	615	615
1.8	Wheelbase	y(mm)	2,300	2,300	2,300
Weights					
2.1	Service weight	kg	8,440	9,218	9,886
2.2	Axle loading, loaded front/rear	kg	11,963 / 1,477	13,513 / 1,705	14,867 / 2,019
2.3	Axle loading, unloaded front/rear	kg	4,320 / 4,118	4,343 / 4,875	4,169 / 5,717
Wheels, Chassis					
3.1	Tires:Pneumatic (P), Solid (S), Non-marking (N)	P	P	P	P
3.2	Tires size, front(Øx width)	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	9.00-20-14PR
3.3	Tires size, rear(Øx width)	8.25-15-14PR	8.25-15-14PR	8.25-15-14PR	9.00-20-14PR
3.4	Wheels, number front x rear (x=driven wheels)	4 x / 2	4 x / 2	4 x / 2	4 x / 2
3.5	Track width, front	b10 mm	1,580	1,580	1,632
3.6	Track width, rear	b11 mm	1,604	1,604	1,700
Basic Dimensions					
4.1	Mast / fork carriage tilt forward / backward (α/β)	degrees	15 / 10	15 / 10	15 / 10
4.2	Lowered mast height	h1 (mm)	2,515	2,515	2,675
4.3	Free lift	h2 (mm)	140	140	145
4.4	Lift height	h3 (mm)	3,030	3,030	3,040
4.5	Extended mast height	h4 (mm)	4,320	4,320	4,375
4.6	Overhead guard height	h6 (mm)	2,500	2,500	2,603
4.7	Seat height / standing height	h7 (mm)	1,395	1,395	1,464
4.8	Coupling height	h10 (mm)	425	425	493
4.9	Overall length	l1 (mm)	4,700	4,765	4,820
4.10	Length to face of forks	l2 (mm)	3,500	3,570	3,640
4.11	Overall width (Frame)	b1 (mm)	2,087	2,087	2,190
4.12	Fork dimensions (hook type)	s / e / l (mm)	60 x 150 x 1,200	65 x 150 x 1,200	65 x 150 x 1,200
4.13	Fork carriage ISO 2328, class / type A,B		Class IV	Class IV	Class IV
4.14	Fork-carriage width	b2 (mm)	2,068	2,068	2,268
4.15	Ground clearance, loaded, under mast	m1 (mm)	195	195	250
4.16	Ground clearance, centre of wheelbase	m2 (mm)	220	220	287
4.17	Aisle width for pallets 1,000 x 1,200 crossways (L x W)	Ast (mm)	5,121	5,180	5,238
4.18	Aisle width for pallets 800 x 1,200 lengthways (W x L)	Ast (mm)	5,321	5,380	5,438
4.19	Turning radius	Wa (mm)	3,270	3,320	3,360
4.20	Smallest pivot point distance	b13 mm	1,224	1,224	1,354
Performance Data					
5.1	Travel speed, unloaded	km/h	34.7	34.6	33.8
5.2	Lift speed, loaded / unloaded	mm/s	440 / 460	430 / 460	420 / 460
5.3	Lowering speed, loaded / unloaded	mm/s	500 / 450	500 / 450	500 / 500
5.4	Drawbar pull, loaded	kg	7,232	7,252	7,304
5.5	Gradeability, Loaded	%	55.8	44.1	42.4
5.6	Service brake		FOOT (Hydraulic)	FOOT (Hydraulic)	FOOT (Hydraulic)
Engine					
6.1	Engine manufacturer / type		HMC D4DD	HMC D4DD	HMC D4DD
6.2	Engine power acc. to ISO 1585	kW	73.5	73.5	73.5
6.3	Rated speed	1/min	2,300	2,300	2,300
6.4	No. of cylinder / cubic capacity	cm ³	3,907	3,907	3,907
6.5	Fuel consumption acc. To VDI cycle	ℓ/h	4.0	4.2	4.5
Other Details					
8.1	Type of drive control		Full Auto	Full Auto	Full Auto
8.2	Operating pressure (system / attach)	bar	185	185	185
8.3	Oil volume (hydraulic)	ℓ	100	100	100
8.4	Noise (at driver's ear according to DIN 12 053)	db(A)	82	82	85



* Some of the photos may include optional equipment.

HYUNDAI DIESEL FORKLIFT TRUCKS Applied Tier 3 Engine

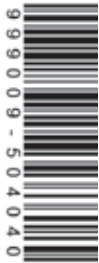
50/60/70/80D-7E ACE

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HYUNDAI
HEAVY INDUSTRIES CO.,LTD.

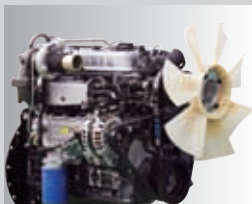
We build a better future

New criteria of forklift trucks

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



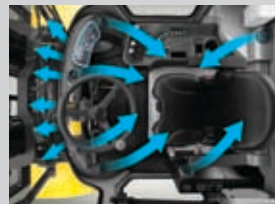
Excellent



HMC D4DD engine



Up-to-date cooling system

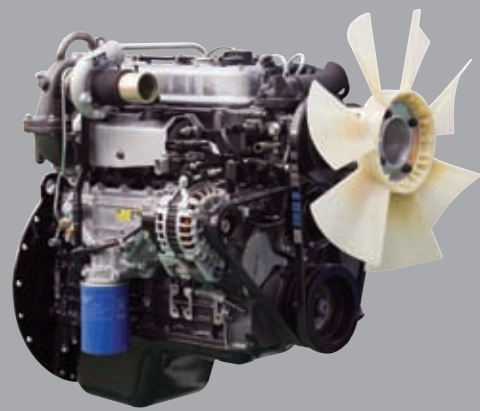


High-output air conditioner

* Some of the photos may include optional equipment.

The new master on the job-site!

Smooth running, efficient and ergonomically designed, **50/60/70/80D-7E ACE series** are made to meet your needs.



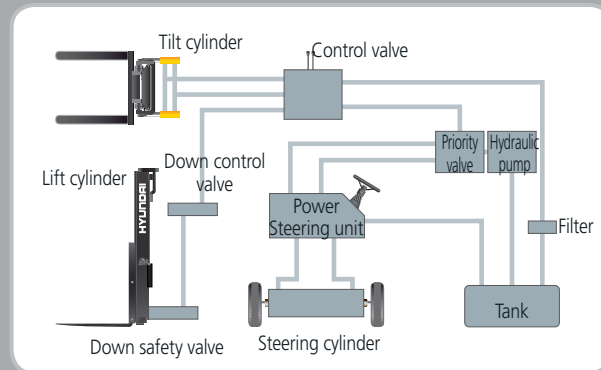
HMC D4DD Engine

Powerful engine

Market approved quality of HMC D4DD engine ensures incomparable performance, durability and excellent fuel efficiency. This engine meets EPA Tier-III and EU stage III A emission regulations.

73.5kW / 2,300rpm

38kgf.m/1,600rpm



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.



* Some of the photos may include optional equipment.



Increased mast tilting angle

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 wet disc brake system is virtually maintenance free and is enclosed to protect from dust and water.



Fully hydrostatic power steering

A hydraulic steering 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.

Faster travel speed & gradeability

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



Travel speed (Unloaded)

50D-7E ACE : 34.7km/h
60D-7E ACE : 34.6km/h
70D-7E ACE : 33.8km/h
80D-7E ACE : 35.0km/h

Gradeability (Loaded)

50D-7E ACE : 55.8%
60D-7E ACE : 44.1%
70D-7E ACE : 42.4%
80D-7E ACE : 36.1%



Ergonomic operator friendly compartment design!

Smooth running, efficient and ergonomically designed, **50/60/70/80D-7E ACE series** are made to meet your needs.

Operator friendly gauges and water-resistant monitor panel



USB MP3 player



Grammer seat (option)

An attractive and adjustable seat, based on a human engineering design, provides great comfort. And the angle of the armrest can be adjusted to reduce the fatigue of the driver.

- Applied the weight of the driver(45~170kg)
- ELR type seat belt standard
- Heater and Head Rest (Option)



High-output air conditioner & heater



Multi key option



* Some of the photos may include optional equipment.



Rear view camera

The rear view camera makes the operation more easy and convenient. (Option)



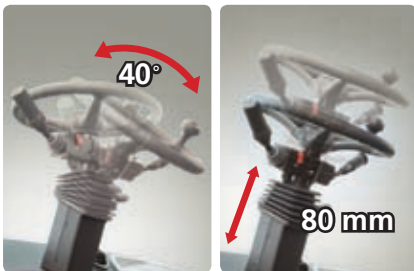
Load Indicator

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



Quick response of operating control levers

Only minimal operator's effort is required for precise, safe and productive control.(std 2spool)



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, easy control of direction. The lever must be in the neutral position before the engine can be started.



Multi-function switch lever

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



Ergonomically positioned pedals

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

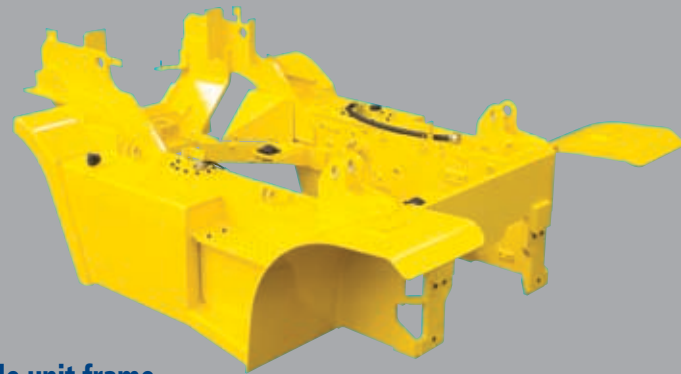


Parking lever

Using the type of car parking lever, it is easy to control. You can safely parking, even so inclined.

Enhanced safety through high durability!

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



Heavy duty single unit frame

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



Highly durable split type drive axle

The durable drive axle provides fast travel speed and quiet travel under any heavy load condition, and boosts work efficiency.



ZF Full-automatic transmission

Full-automatic transmission gives easy, convenient handling and soft, smooth shifting. The operator can select two kinds of automatic mode.



* Some of the photos may include optional equipment.



Aluminum radiator and coolers

Aluminum radiator and coolers have been applied to increase the durability and heat output.



Large footboard & hand grip

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



Rearview mirror size increases

150% increase in the rearview mirror size, you can get a wider field of view.



Bright, protected headlights

Bright, protected headlights are positioned for exceptional visibility.



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.



OPSS (Operator Presence Sensing System)

Control of mast tilting, lifting and lowering is not possible through operation of the appropriate control when the operator is not in the seated position. (Option)



Greece inlet

To facilitate the steering axle grease was applied remote type.



Centralized design for easy service!

An ideal arrangement of component parts ensures easy accesses and conveniences for the maintenance.



Large engine hood
Highly accessible engine compartment assures fast and efficient maintenance.



Easy change air cleaner
The air filter is readily accessible for cleaning or replacement.



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 54 degrees for easy access to inside of truck components.



* Some of the photos may include optional equipment.



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.



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.



Compact fuse box for easy inspection



Maintenance free battery



Easy-to-access reservoir tank



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



Wing cover locking system

Mast Specification (Hook/Shaft Type)

Model	Mast Type		Maximum Fork Height (mm)		Overall Height (mm)						Free Lift (mm)				Tilt Angle (deg)		Load Capacity without side shift at 600mm LC (kg)		Load Capacity with side shift at 600mm LC (kg)		Truck Weight (Unloaded) (kg)	
					Lowered		Extended				Without Load Backrest		With Std Load Backrest									
							Hook	Shaft	Hook	Shaft					Hook	Shaft						
50D-7E ACE	2 Stage limited free lift	V270	2730	2730	2365	2365	3691	-	4020	3975	140	-	140	140	15	10	5000	5000	5000	-	8335	8392
		*V300	3030	3030	2515	2515	3991	-	4320	4275	140	-	140	140	15	10	5000	5000	5000	-	8382	8439
		V330	3330	3330	2665	2665	4291	-	4620	4575	140	-	140	140	15	10	5000	5000	5000	-	8430	8487
		V350	3530	3530	2765	2765	4491	-	4820	4775	140	-	140	140	15	10	5000	5000	5000	-	8462	8519
		V370	3730	3730	2865	2865	4691	-	5020	4975	140	-	140	140	15	10	5000	5000	5000	-	8494	8550
		V400	4030	4030	3015	3015	4991	-	5320	5275	140	-	140	140	15	10	5000	5000	5000	-	8550	8606
		V450	4530	4530	3315	3315	5491	-	5820	5775	140	-	140	140	15	10	5000	5000	5000	-	8777	8834
		V500	5030	5030	3565	3565	5991	-	6320	6275	140	-	140	140	15	10	5000	5000	5000	-	8857	8914
		V550	5530	5530	3815	3815	6491	-	6820	6775	140	-	140	140	15	10	5000	5000	5000	-	8936	8993
		V600	6030	6030	4065	4065	6991	-	7320	7275	140	-	140	140	15	10	5000	5000	4800	-	9015	9072
	V700	7030	7030	4565	4565	7991	-	8320	8275	140	-	140	140	15	6	4850	4700	4600	-	9171	9228	
	3 Stage full free lift	TS/TF450	4560	4560	2565	2565	5545	-	5805	5805	1580	-	1275	1320	15	10	5000	5000	5000	-	8969	9007
		TS/TF500	5060	5060	2765	2765	6045	-	6305	6305	1780	-	1475	1520	15	10	5000	5000	4900	-	9061	9099
		TS/TF560	5600	5600	2965	2965	6585	-	6845	6845	1980	-	1675	1720	15	10	4950	5000	4700	-	9172	9210
		TS/TF600	6060	6060	3165	3165	7045	-	7305	7305	2180	-	1875	1920	15	10	4800	4900	4500	-	9259	9297

Model	Mast Type		Maximum Fork Height (mm)		Overall Height (mm)						Free Lift (mm)				Tilt Angle (deg)		Load Capacity without side shift at 600mm LC (kg)				Load Capacity with side shift at 600mm LC (kg)				Truck Weight (Unloaded) (kg)			
					Lowered		Extended				Without Load Backrest		With Std Load Backrest				60D-7E ACE		70D-7E ACE		60D-7E ACE		70D-7E ACE		60D-7E ACE		70D-7E ACE	
Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Fwd	Bwd	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	
60D-7E ACE / 70D-7E ACE	2 Stage limited free lift	V270	2730	2730	2365	2365	3911	-	4020	3975	140	-	140	140	15	10	6000	6000	7000	7000	6000	-	7000	-	9095	9170	9823	9838
		*V300	3030	3030	2515	2515	4211	-	4320	4275	140	-	140	140	15	10	6000	6000	7000	7000	6000	-	7000	-	9143	9218	9871	9886
		V330	3330	3330	2665	2665	4511	-	4620	4575	140	-	140	140	15	10	6000	6000	7000	7000	6000	-	7000	-	9190	9265	9918	9966
		V350	3530	3530	2765	2765	4711	-	4820	4775	140	-	140	140	15	10	6000	6000	7000	7000	6000	-	7000	-	9222	9297	9950	9965
		V370	3730	3730	2865	2865	4911	-	5020	4975	140	-	140	140	15	10	6000	6000	7000	7000	6000	-	7000	-	9254	9328	9982	9996
		V400	4030	4030	3015	3015	5211	-	5320	5275	140	-	140	140	15	10	6000	6000	7000	7000	6000	-	6900	-	9310	9384	10038	10052
		V450	4530	4530	3315	3315	5711	-	5820	5775	140	-	140	140	15	10	6000	6000	7000	7000	6000	-	6700	-	9537	9612	10266	10280
		V500	5030	5030	3565	3565	6211	-	6320	6275	140	-	140	140	15	10	6000	6000	7000	7000	5900	-	6450	-	9617	9692	10345	10360
		V550	5530	5530	3815	3815	6711	-	6820	6775	140	-	140	140	15	10	6000	6000	6750	6900	5800	-	6300	-	9697	9771	10425	10439
		V600	6030	6030	4065	4065	7211	-	7320	7275	140	-	140	140	15	10	5800	6000	6600	6700	5600	-	6100	-	9775	9850	10503	10518
	V700	7030	7030	4565	4565	8211	-	8320	8275	140	-	140	140	15	6	5500	5650	6500	6400	5300	-	5900	-	9932	10006	10620	10634	
	3 Stage full free lift	TS/TF450	4560	4560	2565	2565	5765	-	5805	5805	1360	-	1275	1320	15	10	6000	6000	7000	7000	6000	-	6750	-	9746	9808	10474	10476
		TS/TF500	5060	5060	2765	2765	6265	-	6305	6305	1560	-	1475	1520	15	10	6000	6000	7000	6900	5800	-	6600	-	9838	9900	10566	10568
		TS/TF560	5600	5600	2965	2965	6805	-	6845	6845	1760	-	1675	1720	15	10	5800	6000	6900	6650	5600	-	6400	-	9949	10011	10677	10679
		TS/TF600	6060	6060	3165	3165	7265	-	7305	7305	1960	-	1875	1920	15	10	5600	5850	6700	6500	5400	-	6200	-	10036	10098	10765	10766

Model	Mast Type		Maximum Fork Height (mm)		Overall Height (mm)						Free Lift (mm)						Tilt Angle (deg)		Load Capacity without side shift at 600mm LC (kg)		Load Capacity with side shift at 600mm LC (kg)		Truck Weight (Unloaded) (kg)	
					Lowered		Extended				Without Load Backrest		With Std Load Backrest											
							Hook	Shaft	Hook	Shaft					Hook	Shaft	Hook	Shaft						
80D-7E ACE	2 Stage limited free lift	V270	2740	2740	2525	2525	4048	-	4050	4075	150	-	150	150	15	10	8000	8000	8000	8000	10969	10957		
		*V300	3040	3040	2675	2675	4348	-	4350	4375	150	-	150	150	15	10	8000	8000	8000	8000	11018	11006		
		V330	3340	3340	2825	2825	4648	-	4650	4675	150	-	150	150	15	10	8000	8000	8000	8000	11067	11055		
		V350	3540	3540	2925	2925	4848	-	4850	4875	150	-	150	150	15	10	8000	8000	8000	8000	11100	11088		
		V370	3740	3740	3025	3025	5048	-	5050	5075	150	-	150	150	15	10	8000	8000	8000	8000	11132	11120		
		V400	4040	4040	3175	3175	5348	-	5350	5375	150	-	150	150	15	10	8000	8000	8000	8000	11181	11169		
		V450	4540	4540	3475	3475	5848	-	5850	5875	150	-	150	150	15	10	8000	8000	7700	7700	11396	11384		
		V500	5040	5040	3725	3725	6348	-	6350	6375	150	-	150	150	15	10	8000	8000	7500	7500	11478	11466		
		V550	5540	5540	3975	3975	6848	-	6850	6875	150	-	150	150	15	10	7850	7800	7300	7300	11559	11547		
		V600	6040	6040	4225	4225	7348	-	7350	7375	150	-	150	150	15	10	7600	7600	7100	7100	11641	11629		
	V700	7040	7040	4725	4725	8348	-	8350	8375	150	-	150	150	15	6	7100	7100	6700	6700	11846	11834			
	V750	7540	7540	4975	4975	8848	-	8850	8875	150	-	150	150	15	6	6900	6900	6500	6500	11930	11918			
	3 Stage full free lift	TF450	4570	4570	2750	2750	5902	-	5880	5905	1418	-	1440	1415	15	10	8000	8000	7750	7750	11680	11654		
		TF500	5070	5070	2950	2950	6402	-	6380	6405	1618	-	1640	1615	15	10	8000	8000	7500	7500	11783	11757		
		TF550	5670	5670	3150	3150	6902	-	6880	6905	1818	-	1840	1815	15	10	7700	7700	7300	7300	11885	11859		
		TF600	6070	6070	3350	3350	7402	-	7380	7405	2018	-	2040	2015	15	10	7450	7450	7100	7100	11988	11962		

*Standard

Load Capacity

