



* Some of the photos may include optional equipment.

HYUNDAI MATERIAL HANDLING **Applied Tier 3 Engine**

70/80D-7E ACE



Head Office (Sales office)

First tower, 55, Bundang-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea

PLEASE CONTACT

www.hyundai-ce.com

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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, **70/80D-7E ACE series** are made to meet your needs.



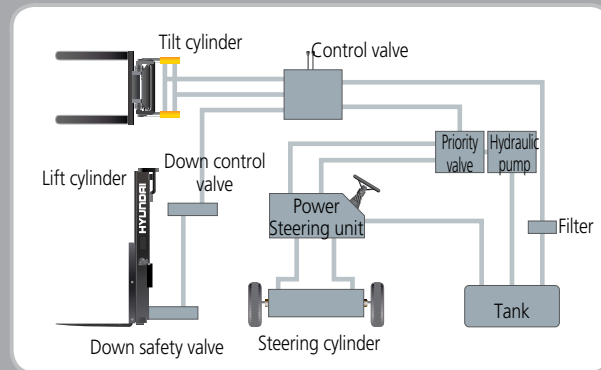
HMC D4DD Engine

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)

70D-7E ACE : 33.8km/h
80D-7E ACE : 35.0km/h

Gradeability (Loaded)

70D-7E ACE : 42.4%
80D-7E ACE : 36.1%



Ergonomic operator friendly compartment design!

Smooth running, efficient and ergonomically designed, **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

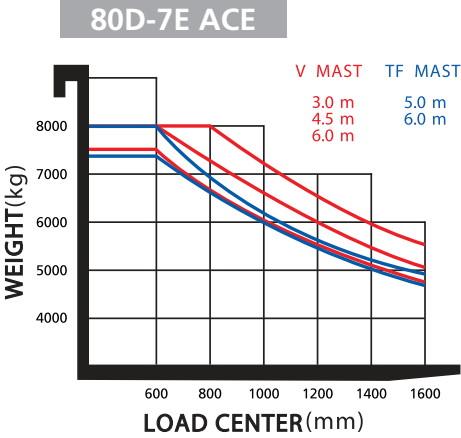
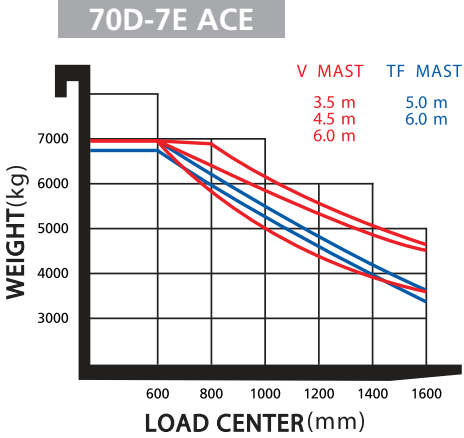
Mast Specification (Hook/Shaft Type)

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									
							W/o Load Backrest		W/Std Load Backrest													
			Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Fwd	Bwd	Hook	Shaft	Hook	Shaft
70D-7E ACE	2 Stage limited free lift	V270	2730	2730	2365	2365	3911	-	4020	3975	140	-	140	140	15	10	7000	7000	7000	-	9823	9838
		*V300	3030	3030	2515	2515	4211	-	4320	4275	140	-	140	140	15	10	7000	7000	7000	-	9871	9886
		V330	3330	3330	2665	2665	4511	-	4620	4575	140	-	140	140	15	10	7000	7000	7000	-	9918	9966
		V350	3530	3530	2765	2765	4711	-	4820	4775	140	-	140	140	15	10	7000	7000	7000	-	9950	9965
		V370	3730	3730	2865	2865	4911	-	5020	4975	140	-	140	140	15	10	7000	7000	7000	-	9982	9996
		V400	4030	4030	3015	3015	5211	-	5320	5275	140	-	140	140	15	10	7000	7000	6900	-	10038	10052
		V450	4530	4530	3315	3315	5711	-	5820	5775	140	-	140	140	15	10	7000	7000	6700	-	10266	10280
		V500	5030	5030	3565	3565	6211	-	6320	6275	140	-	140	140	15	10	7000	7000	6450	-	10345	10360
		V550	5530	5530	3815	3815	6711	-	6820	6775	140	-	140	140	15	10	6750	6900	6300	-	10425	10439
		V600	6030	6030	4065	4065	7211	-	7320	7275	140	-	140	140	15	10	6600	6700	6100	-	10503	10518
		V700	7030	7030	4565	4565	8211	-	8320	8275	140	-	140	140	15	6	6500	6400	5900	-	10620	10634
	3 Stage full free lift	TS/TF450	4560	4560	2565	2565	5765	-	5805	5805	1360	-	1275	1320	15	10	7000	7000	6750	-	10474	10476
		TS/TF500	5060	5060	2765	2765	6265	-	6305	6305	1560	-	1475	1520	15	10	7000	6900	6600	-	10566	10568
		TS/TF560	5600	5600	2965	2965	6805	-	6845	6845	1760	-	1675	1720	15	10	6900	6650	6400	-	10677	10679
		TS/TF600	6060	6060	3165	3165	7265	-	7305	7305	1960	-	1875	1920	15	10	6700	6500	6200	-	10765	10766

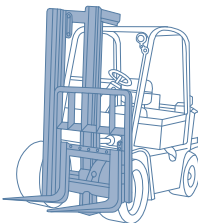
Model	Mast Type		Maximum Fork Height (mm)		Overall Height (mm)						Free Lift (mm)				Tilt Angle (deg)		Load Capacity without side shift at 600mm LC(kg)		Load Capacity with side shift at 600mm LC(kg)		Truck Weight (Unloaded) (kg)	
					Lowered		Extended		Without Load Backrest		With Std Load Backrest											
							W/o Load Backrest	W/Std Load Backrest														
			Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Hook	Shaft	Fwd	Bwd	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

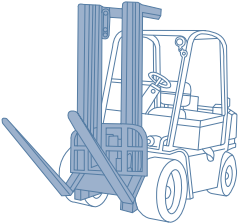
Load Capacity



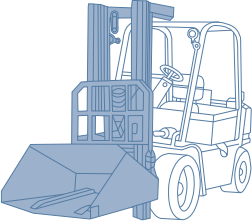
Various Attachments



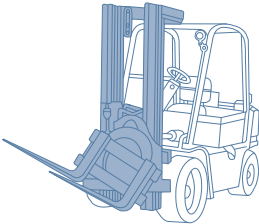
Side Shift



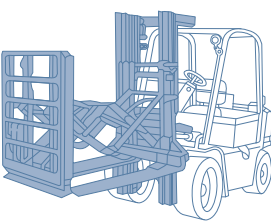
Hinged Fork



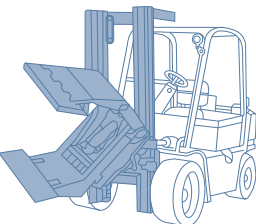
Hinged Bucket



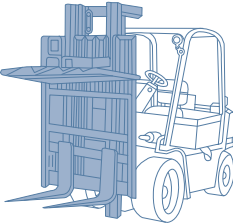
Rotating Fork



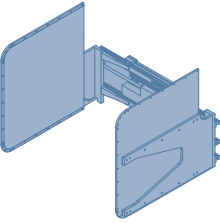
Push Pull



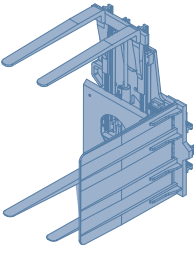
Rotating Roll Clamp



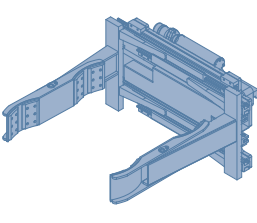
Load Stabilizer



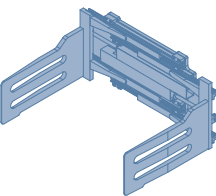
Carton Clamp



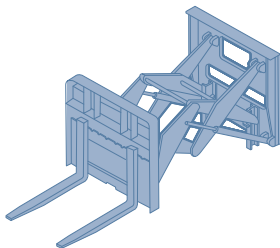
Pallet Invert



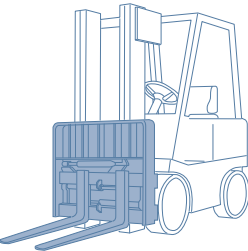
Drum Clamp



Bale Clamp

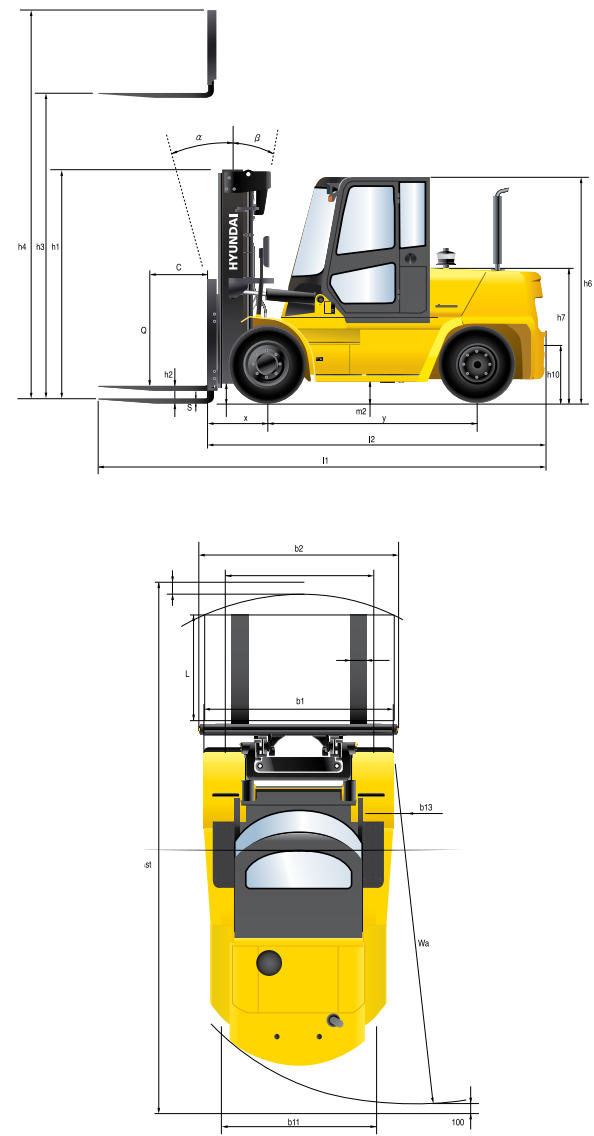


Load Extender



Fork Positioner

Dimension



Specification

Identification				
1.1	Manufacturer		Hyundai	Hyundai
1.2	Manufacturer's type designation		70D-7E ACE	80D-7E ACE
1.3	Drive: electric (battery or mains),diesel,petrol,fuel gas>manual		DIESEL	DIESEL
1.4	Type of operation:hand,pedestrian,standing,seated,order-picker		seated	seated
1.5	Load capacity / rated load	kg	7,000	8,000
1.6	Load center distance	c(mm)	600	600
1.7	Load distance, center of drive axle to fork	x(mm)	615	690
1.8	Wheelbase	y(mm)	2,300	2,500
Weights				
2.1	Service weight	kg	9,886	11,006
2.2	Axle loading, loaded front/rear	kg	14,867 / 2,019	16,928 / 2,078
2.3	Axle loading, unloaded front/rear	kg	4,169 / 5,717	4,800 / 6,206
Wheels, Chassis				
3.1	Tires:Pneumatic (P), Solid (S), Non-marking (N)		P	P
3.2	Tires size, front(Øx width)		8.25-15-14PR	9.00-20-14PR
3.3	Tires size, rear(Øx width)		8.25-15-14PR	9.00-20-14PR
3.4	Wheels, number front x rear (x=driven wheels)		4 x / 2	4 x / 2
3.5	Track width, front	b10 mm	1,580	1,632
3.6	Track width, rear	b11 mm	1,604	1,700
Basic Dimensions				
4.1	Mast / fork carriage tilt forward / backward (α xβ) degrees		15 / 10	15 / 10
4.2	Lowered mast height	h1 (mm)	2,515	2,675
4.3	Free lift	h2 (mm)	140	145
4.4	Lift height	h3 (mm)	3,030	3,040
4.5	Extended mast height	h4 (mm)	4,320	4,375
4.6	Overhead guard height	h6 (mm)	2,500	2,603
4.7	Seat height / standing height	h7 (mm)	1,395	1,464
4.8	Coupling height	h10 (mm)	425	493
4.9	Overall length	l1 (mm)	4,820	5,000
4.10	Length to face of forks	l2 (mm)	3,640	3,960
4.11	Overall width (Frame)	b1 (mm)	2,087	2,190
4.12	Fork dimensions (hook type)	s / e / l (mm)	65 x 150 x 1,200	70 x 180 x 1,200
4.13	Fork carriage ISO 2328, class / type A,B		Class IV	Class IV
4.14	Fork-carriage width	b2 (mm)	2,068	2,268
4.15	Ground clearance, loaded, under mast	m1 (mm)	195	250
4.16	Ground clearance, centre of wheelbase	m2 (mm)	220	287
4.17	Aisle width for pallets 1,000 x 1,200 crossways (L x W)	Ast (mm)	5,238	5,580
4.18	Aisle width for pallets 800 x 1,200 lengthways (W x L)	Ast (mm)	5,438	5,780
4.19	Turning radius	Wa (mm)	3,360	3,600
4.20	Smallest pivot point distance	b13 mm	1,224	1,354
Performance Data				
5.1	Travel speed, unloaded	km/h	33.8	35.0
5.2	Lift speed, loaded / unloaded	mm/s	420 / 460	410 / 480
5.3	Lowering speed, loaded / unloaded	mm/s	500 / 450	500 / 500
5.4	Drawbar pull, loaded	kg	7,304	7,008
5.5	Gradeability, Loaded	%	42.4	36.1
5.6	Service brake		FOOT (Hydraulic)	FOOT (Hydraulic)
Engine				
6.1	Engine manufacturer / type		HMC D4DD	HMC D4DD
6.2	Engine power acc. to ISO 1585	kW	73.5	73.5
6.3	Rated speed	1/min	2,300	2,300
6.4	No. of cylinder / cubic capacity	cm²	3,907	3,907
6.5	Fuel consumption acc. To VDI cycle	ℓ /h	4.5	5.2
Other Details				
8.1	Type of drive control		Full Auto	Power Shaft
8.2	Operating pressure (system / attach)	bar	185	210
8.3	Oil volume (hydraulic)	ℓ	100	100
8.4	Noise (at driver's ear according to DIN 12 053)	db(A)	82	85

Optional Items

· FORK (L x W x T) (mm)	· SEAT ARM REST, HIP REST, GRAMMER	· 3STAGE FULL FREE LIFT DUAL FREE CYL TYPE
HOOK TYPE	· CABIN & HEATER CABIN, AIRCON+HEATER	· WIDE CARRIAGE (2,190mm, HOOK TYPE)
70D-7E ACE · 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	· MUFFLER HORIZNTAL	(2,223mm, SHAFT TYPE)
80D-7E ACE · 1,350 x 180 x 70 · 1,500 x 180 x 70 · 1,800 x 180 x 70 · 2,000 x 180 x 70 · 2,400 x 180 x 70	· MASTER SWITCH	FOR 70D-7E ACE
SHAFT TYPE	· BEACON LAMP	
70D-7E ACE · 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	· MCV 3-SPOOL / 4-SPOOL / 5-SPOOL	
80D-7E ACE · 1,350 x 180 x 70 · 1,500 x 180 x 70 · 1,800 x 180 x 70 · 2,000 x 180 x 70 · 2,400 x 180 x 70	· INTEGRAL FORK POSITIONER CARRIAGE (SHAFT TYPE)	
· TIRE SOLID, NON-MARKING	· INTEGRAL SIDE SHIFT CARRIAGE (SHAFT TYPE)	
	· INTEGRAL SIDE SHIFT WITH FORK POSIONER CARRIAGE (SHAFT TYPE)	
	· OPSS (TRAVEL OR TRAVEL + MAST)	
	· REAR VIEW CAMERA	
	· LOAD INDICATOR	