

■ Some of the photos may include optional equipment.

MOVING YOU FURTHER

HYUNDAI MATERIAL HANDLING Applied Tier 4 Engine

70L-7A

HYUNDAI
MATERIAL HANDLING

HYUNDAI
MATERIAL HANDLING

Head Office (Sales office)
First tower, 55, Bundang-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea

PLEASE CONTACT

www.hyundai-mh.com 2020. 09 Rev 7

Beyond the Limits

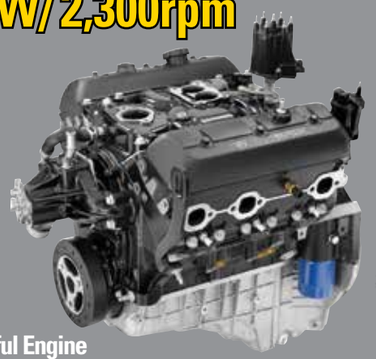
Hyundai introduces a new line of 7A series
LPG forklift trucks.
Excellent power and performance make your
business more profitable.

▪ Some of the photos may include optional equipment.

The new master on the job-site!

Smooth running, efficient and ergonomically designed, 70L-7A series are made to meet your needs.

78kW/2,300rpm



Powerful Engine

PSI 4.3L Engine

Market approved quality of PSI 4.3L engine ensures incomparable performance, durability and additional value to the machine. Powerful and efficient engine provides excellent fuel economy and excellent torque for improved operation.
(EPA/CARB Tier-Ⅳ Certified)

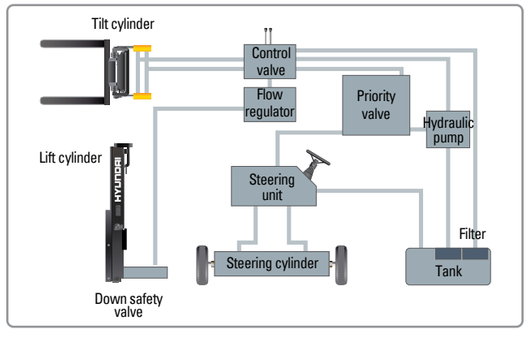
Fast and Stable Performance

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 .
Mast(Lift and Tilt) Look System is standard.





▪ Some of the photos may include optional equipment.



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.



Fully Hydrostatic Power Steering

A hydraulic steering system always guarantees smooth and flexible steering, preventing overrun and kick-back.



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.

Faster Travel Speed & Better Gradability

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

Gradability(Loaded)
70L-7A : 40.6%

Travel Speed(Unloaded)
70L-7A : 22.4 km/h



Ergonomic operator friendly compartment design!

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

Operator Friendly Gauges and Water-resistant Monitor Panel



❶ Parking brake lamp
❷ Turn lamp
❸ Engine oil warning lamp
❹ Transmission oil temperature warning lamp
❺ Battery charging warning lamp
❻ Air cleaner filter warning light
❼ Working light indicator
❽ Seat belt warning
❾ Water temperature gauge
❿ OPS warning (option)
⓫ Hour meter
⓬ Engine check lamp
⓭ Brake oil warning lamp



Full Suspension Seat

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



New High Visibility for Safe Operation

The operator is able to work with increased safety and accuracy due to a wider view mast.



■ Some of the photos may include optional equipment.



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.



Quick Response of Operating Control Levers

Only minimal operator's effort is required for precise, safe and productive control.



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.

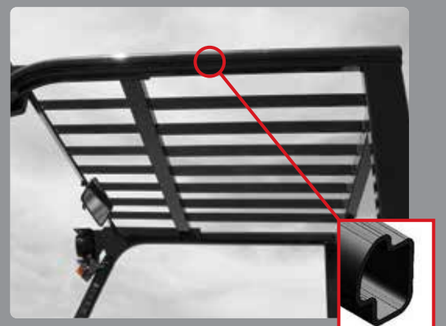


Easy and Safe Shift Lever

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.

Danger-free through high durability!

Safety and durability are priorities in design of the equipment.



Strong Overhead Guard
The safety overhead guard meets ISO 6055 regulation and protects the operator during hazardous jobs.



Parking brake
Ratchet type parking brake requires less effort the operator to set.



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



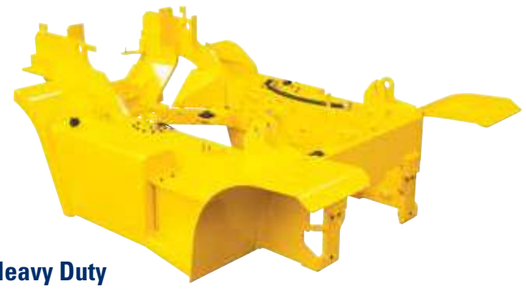
■ Some of the photos may include optional equipment.

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)





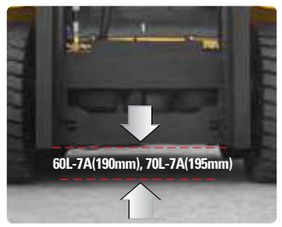
Large Footboard & Hand Grip
Wide "open" step offers convenience and safety when entering and exiting truck.



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



Bright, Protected Headlights
Bright, Protected head lights are positioned for exceptional visibility.



Ground Clearance
The engine and transmission are assembled horizontally and positioned high in the frame to protect major components during operation on rugged surface.

Designed for quick and 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
The air filter is readily accessible for cleaning or replacement.



Up-to-date Cooling System



■ Some of the photos may include optional equipment.



Brake Fluid Reservoir with Level Switch
When brake oil level became lower than Min., the warning lamp on the cluster lights on.



Easy Maintenance Oil Check
The T/M oil level can be checked easily without any disassembly.



Expansion Bellows
The expansion bellows absorbs vibration and reduces noise generated from the exhaust system and also extends the life cycle of exhaust system.



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



Maintenance Free Battery



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



Easy-to-access Reservoir Tank



Wing Cover Locking System

Mast Specification (70L-7A) STD : Hook Type Fork&carriage

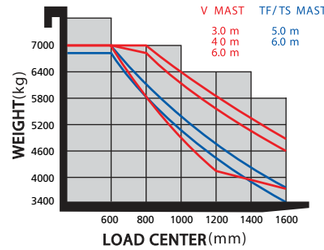
Model	Mast Type		Maximum Fork height		Overall Height						Free Lift				Tilt Angle		Load capacity w/o side shift At 24 in (600mm)LC		Load capacity w/side shift At 24 in (600mm) LC		TRUCK WEIGHT UNLOADED	
					Lowered		Extended				Without Load Backrest		With Std Load Backrest									
							W/o Load Backrest		W/Std Load Backrest						Fwd	Bwd						
			in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	deg	deg	lb	kg	lb	kg	lb	kg
70L-7A	2-STAGE LIMITED FREE LIFT	V270	107	2,730	93	2,365	154	3,911	158.3	4,020	5.5	140	5.5	140	15	10	15,436	7,000	15,436	7,000	20,689	9,382
		V300	119	3,030	99	2,515	166	4,211	170.1	4,320	5.5	140	5.5	140	15	10	15,436	7,000	15,436	7,000	20,794	9,430
		V330	131	3,330	105	2,665	178	4,511	181.9	4,620	5.5	140	5.5	140	15	10	15,436	7,000	15,436	7,000	20,899	9,478
		V350	139	3,530	109	2,765	185	4,711	189.8	4,820	5.5	140	5.5	140	15	10	15,436	7,000	15,436	7,000	20,969	9,509
		V370	147	3,730	113	2,865	193	4,911	197.6	5,020	5.5	140	5.5	140	15	10	15,436	7,000	15,436	7,000	21,039	9,541
		V400	159	4,030	119	3,015	205	5,211	209.4	5,320	5.5	140	5.5	140	15	10	15,436	7,000	15,436	7,000	21,163	9,597
		V450	178	4,530	131	3,315	225	5,711	229.1	5,820	5.5	140	5.5	140	15	10	15,436	7,000	15,215	6,900	21,665	9,825
		V500	198	5,030	140	3,565	245	6,211	248.8	6,320	5.5	140	5.5	140	15	10	15,436	7,000	14,774	6,700	21,841	9,905
		V550	218	5,530	150	3,815	264	6,711	268.5	6,820	5.5	140	5.5	140	15	10	15,215	6,900	14,333	6,500	22,016	9,984
		V600	237	6,030	160	4,065	284	7,211	288.2	7,320	5.5	140	5.5	140	15	10	14,774	6,700	14,002	6,350	22,189	10,063
		V700	277	7,030	180	4,565	323	8,211	327.6	8,320	5.5	140	5.5	140	15	6	14,553	6,600	13,451	6,100	22,534	10,219
	3-STAGE FULL FREE LIFT	TF450	180	4,560	101	2,565	227	5,765	228.5	5,805	53.5	1,360	50	1,275	15	10	15,436	7,000	14,553	6,600	22,124	10,033
		TF500	199	5,060	109	2,765	247	6,265	248.2	6,305	61.4	1,560	58	1,475	15	10	14,994	6,800	14,112	6,400	22,327	10,125
		TF560	220	5,600	117	2,965	268	6,805	269.5	6,845	69.3	1,760	66	1,675	15	10	14,553	6,600	13,671	6,200	22,572	10,236
		TF600	239	6,060	125	3,165	286	7,265	287.6	7,305	77.2	1,960	74	1,875	15	10	14,112	6,400	13,341	6,050	22,765	10,324
		TS450	180	4,560	101	2,565	227	5,765	228.5	5,805	53.5	1,360	50	1,275	15	10	15,436	7,000	14,553	6,600	22,124	10,033
		TS500	199	5,060	109	2,765	247	6,265	248.2	6,305	61.4	1,560	58	1,475	15	10	14,994	6,800	14,112	6,400	22,327	10,125
		TS560	220	5,600	117	2,965	268	6,805	269.5	6,845	69.3	1,760	66	1,675	15	10	14,553	6,600	13,671	6,200	22,572	10,236
		TS600	239	6,060	125	3,165	286	7,265	287.6	7,305	77.2	1,960	74	1,875	15	10	14,112	6,400	13,341	6,050	22,765	10,324
		TS730	289	7,330	144	3,665	336	8,535	337.6	8,575	96.9	2,460	94	2,375	15	10	12,679	5,750	11,687	5,300	23,338	10,584

Mast Specification (70L-7A) OPT : Shaft Type Fork&carriage

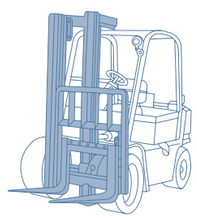
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					Lowered		Extended				Without Load Backrest		With Std Load Backrest									
							W/o Load Backrest		W/Std Load Backrest						Fwd	Bwd						
			in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	deg	deg	lb	kg	lb	kg	lb	kg
70L-7A	2-STAGE LIMITED FREE LIFT	V270	107	2,730	93	2,365	-	-	156.5	3,975	-	-	5.5	140	15	10	15,436	7,000	-	-	20,853	9,457
		V300	119	3,030	99	2,515	-	-	168.3	4,275	-	-	5.5	140	15	10	15,436	7,000	-	-	20,961	9,506
		V330	131	3,330	105	2,665	-	-	180.1	4,575	-	-	5.5	140	15	10	15,436	7,000	-	-	21,063	9,552
		V350	139	3,530	109	2,765	-	-	188.0	4,775	-	-	5.5	140	15	10	15,436	7,000	-	-	21,133	9,584
		V370	147	3,730	113	2,865	-	-	195.9	4,975	-	-	5.5	140	15	10	15,436	7,000	-	-	21,204	9,616
		V400	159	4,030	119	3,015	-	-	207.7	5,275	-	-	5.5	140	15	10	15,436	7,000	-	-	21,327	9,672
		V450	178	4,530	131	3,315	-	-	227.4	5,775	-	-	5.5	140	15	10	15,436	7,000	-	-	21,830	9,900
		V500	198	5,030	140	3,565	-	-	247.0	6,275	-	-	5.5	140	15	10	15,436	7,000	-	-	22,004	9,979
		V550	218	5,530	150	3,815	-	-	266.7	6,775	-	-	5.5	140	15	10	15,436	7,000	-	-	22,181	10,059
		V600	237	6,030	160	4,065	-	-	286.4	7,275	-	-	5.5	140	15	10	14,994	6,800	-	-	22,353	10,137
		V700	277	7,030	180	4,565	-	-	325.8	8,275	-	-	5.5	140	15	6	14,774	6,700	-	-	22,611	10,254
	3-STAGE FULL FREE LIFT	TF450	180	4,560	101	2,565	-	-	228.5	5,805	-	-	52	1,320	15	10	15,436	7,000	-	-	22,260	10,095
		TF500	199	5,060	109	2,765	-	-	248.2	6,305	-	-	60	1,520	15	10	15,215	6,900	-	-	22,463	10,187
		TF560	220	5,600	117	2,965	-	-	269.5	6,845	-	-	68	1,720	15	10	14,774	6,700	-	-	22,708	10,298
		TF600	239	6,060	125	3,165	-	-	287.6	7,305	-	-	76	1,920	15	10	14,333	6,500	-	-	22,902	10,386
		TS450	180	4,560	101	2,565	-	-	228.5	5,805	-	-	52	1,320	15	10	15,436	7,000	-	-	22,260	10,095
		TS500	199	5,060	109	2,765	-	-	248.2	6,305	-	-	60	1,520	15	10	15,215	6,900	-	-	22,463	10,187
		TS560	220	5,600	117	2,965	-	-	269.5	6,845	-	-	68	1,720	15	10	14,774	6,700	-	-	22,708	10,298
		TS600	239	6,060	125	3,165	-	-	287.6	7,305	-	-	76	1,920	15	10	14,333	6,500	-	-	22,902	10,386
		TS730	289	7,330	144	3,665	-	-	337.6	8,575	-	-	97	2,460	15	10	12,679	5,750	-	-	23,475	10,646

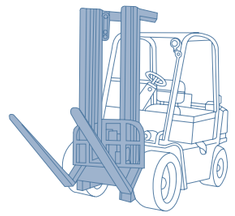
Load Capacity

70L-7A

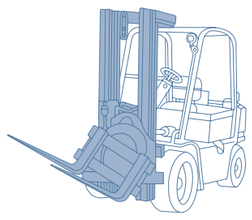


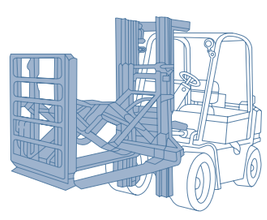
Various Attachments

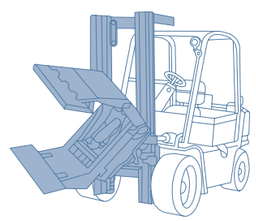

Side Shift

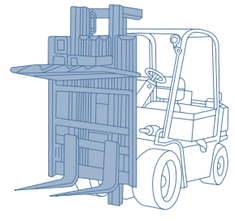

Hinged Fork

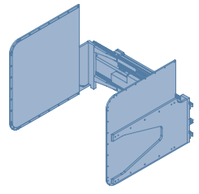

Hinged Bucket

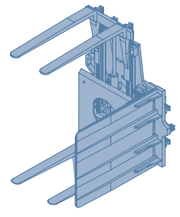

Rotating Fork

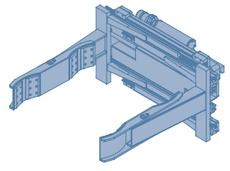

Push Pull

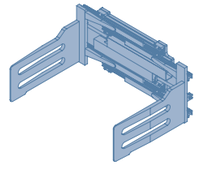

Rotating Roll Clamp

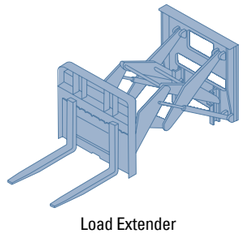

Load Stabilizer


Carton Clamp


Pallet Invert


Drum Clamp


Bale Clamp


Load Extender

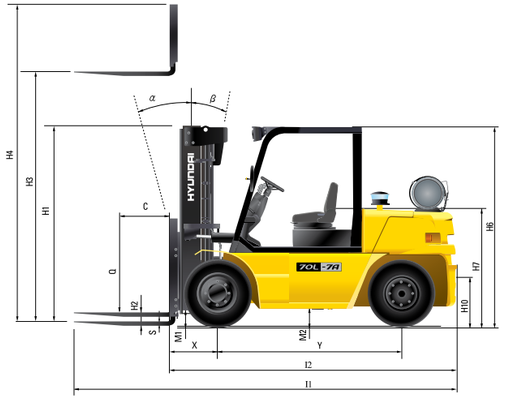

Fork Positioner

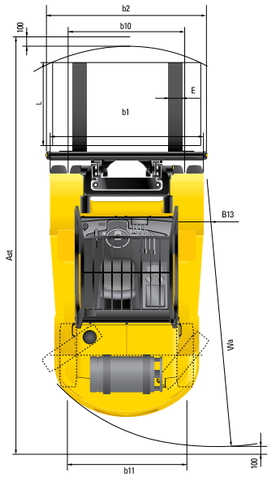
Optional Items

- **FORK (mm) :** 1200(STD), 1350, 1500, 1800, 2000, 2300, 2400
- **TIRE** : SOLID (SUPERELASTIC), NON-MARKING
- **SEAT** : SEAT BELT, ARM REST
- **INTERNAL PIPING**
- **CABIN & HEATER :** CABIN, HEATER
- **MUFFLER :** HORIZONTAL
- **LPG TANK CLAMP :** DUAL
- **MASTER SWITCH**
- **ELE.BEACON**
- **HAZARD SWITCH**
- **MCV :** 3-SPOOL / 4-SPOOL / 5-SPOOL
- **SIDE SHIFT**
- **INTEGRAL FORK POSITIONER CARRIAGE**
- **INTEGRAL SIDE SHIFT CARRIAGE**
- **INTEGRAL S/S WITH F/P CARRIAGE**

※The options in this brochure are subject to change to improve the performance of the forklift.

Dimension





Specification

Identification			
1.1	Manufacturer		Hyundai
1.2	Manufacturer's type designation		70L-7A
1.3	Drive: electric (battery or mains),diesel,petrol,fuel gas,manual		LP
1.4	Type of operation:hand,pedestrian,standing,seated,order-picker		seated
1.5	Load capacity / rated load	Q (kg)	7,000
1.6	Load center distance	c (mm)	600
1.8	Load distance, center of drive axle to fork	x (mm)	615
1.9	Wheelbase	y (mm)	2,300
Weights			
2.1	Service weight	kg	9,430
2.2	Axle loading, loaded front/rear	kg	14,564 / 1,866
2.3	Axle loading, unloaded front/rear	kg	3,867 / 5,564
Wheels, Chassis			
3.1	Tires:solid rubber, superplastic, pneumatic, polyurethane		Pneumatic
3.2	Tires size, front		8.25-15-14PR
3.3	Tires size, rear		8.25-15-14PR
3.5	Wheels, number front x rear (x=driven wheels)		4x2
3.6	Track width, front	b10 (mm)	1,578
3.7	Track width, rear	b11 (mm)	1,604
Basic Dimensions			
4.1	Mast / fork carriage tilt forward / backward (α / β)	degrees	15 / 10
4.2	Lowered mast height	h1 (mm)	2,515
4.3	Free lift	h2 (mm)	140
4.4	Lift height	h3 (mm)	3,030
4.5	Extended mast height	h4 (mm)	4,320
4.7	Overhead guard (cab) height	h5 (mm)	2,533
4.8	Seat height / standing height	h7 (mm)	1,455
4.12	Coupling height	h10 (mm)	511
4.19	Overall length	l1 (mm)	4,820
4.20	Length to face of forks	l2 (mm)	3,680
4.21	Overall width	b1 (mm)	2,088
4.22	Fork dimensions	s / e / l (mm)	65 x 150 x 1,200
4.23	Fork carriage ISO 2328, class / type A,B		Class IV
4.24	Fork-carriage width	b12 (mm)	2,068
4.31	Ground clearance, loaded, under mast	m1 (mm)	195
4.32	Ground clearance, centre of wheelbase	m2 (mm)	206
4.34.1	Aisle width for pallets 1000x1200 crossways	Ast (mm)	5,185
4.34.2	Aisle width for pallets 800x1200 lengthways	Ast (mm)	5,385
4.35	Turning radius	Wa (mm)	3,370
4.36	Smallest pivot point distance	b13 (mm)	1,224
Performance Data			
5.1	Travel speed, Unloaded	km/h	22.4
5.2	Lift speed, Loaded/Unloaded	mm/s	420 / 430
5.3	Lowering speed, Loaded/Unloaded	mm/s	500 / 450
5.6	Max. Drawbar pull, Loaded	N	67,302
5.8	Max. Gradeability, Loaded	%	40.6
5.10	Service brake		Hydraulic
Engine			
7.1	Engine manufacturer / type		PSI 4.3L
7.2	Engine power acc. to ISO 1585	kW/rpm	78 / 2,300
7.3	Maximum torque	kgf-m/rpm	34 / 1,400
7.4	No. of cylinder / cubic capacity	/cm3	6 / 4,294
Other Details			
8.1	Type of drive control		Power Shift
8.2	Operating pressure, system / attachments	bar	185 / 150
8.3	Oil volume for attachments	ℓ / min	76
8.4	Sound level at the driver's ear according to DIN 12053	dB(A)	82

※The specifications in this brochure are subject to change for option.

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