

HYUNDAI MATERIAL HANDLING Applied Tier 4 Engine

70L-7A



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



MOVING YOU FURTHER



FORKLIFT Excellent Model

Beyond the Limits

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

The new master on the job-site!

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



PSI 43L 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)

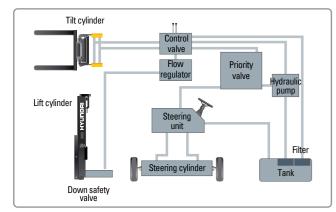
Fast and Stable Performance

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.







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

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.

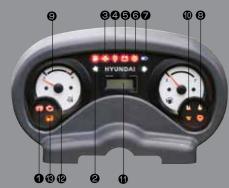
Working light indicator
 Seat belt warning

Engine check lamp
Brake oil warning lam

 Water temper
 OPS war

Hour meter

Operator Friendly Gauges and Water-resistant Monitor Panel



Parking brake lamp
Turn lamp 6 Engine oil w rging wa Air cleaner filter was



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.



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.



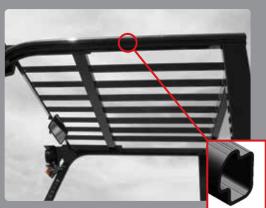
Adjustable Steering Wheel Steering wheel with horn button can be adjusted by a lever on the right-hand side for the most comfortable operator position.



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.



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)





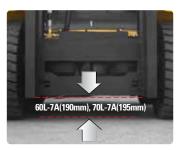
Large Footboard & Hand Grip Wide"open"step offers convenience and safety when entering and exiting truck.



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





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

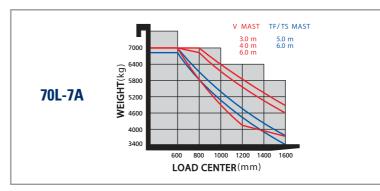
Mast Specification	(70L-7A) STD : Hook	Type Fork&carriage
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					Overall Height							Free Lift				a a la	Load capacity		Load capacity			
			Maxi Fo	imum ork				Exte	nded		Wit	nout	With	n Std	Tilt A	Ingle	w/o side shift		w/side shift		TRUCK WEIGHT	
Model	Mast T	ype	hei	ght	Low	ered	W/o Bac	Load krest	W/Sto Bac	l Load krest	Lo Bac	ad krest	Lo Bac	ad krest	Fwd Bwd		At 24 in (600mm)LC		At 24 in (600mm) LC		UNLOAED	
			in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	deg	deg	lb	kg	lb	kg	lb	kg
		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
	2-STAGE	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
	LIMITED FREE	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
	LIFT	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
701 7 4		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
70L-7A		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
		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
	3-STAGE	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
	FULL FREE	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
	LIFT	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

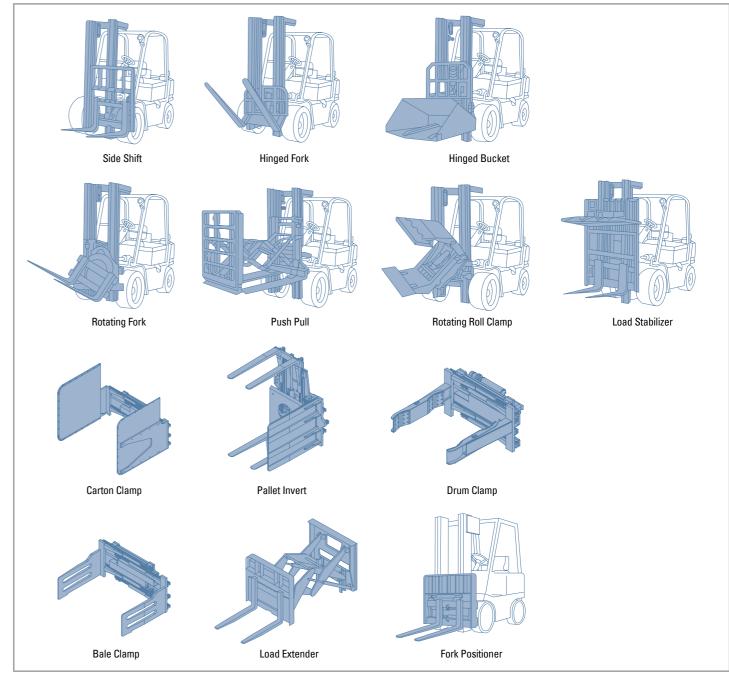
Mast Specification (70L-7A) OPT : Shaft Type Fork&carriage

							Overa	all Heigh	t			Free	e Lift		Tilt Anale		Load capacity		Load capacity				
				imum ork				Exte	nded		Wit	hout	Wit	With Std		Thit Aligie		w/o side shift		w/side shift At 24 in (600mm)		TRUCK WEIGHT	
Model	Mast T	уре	he	ight	Low	ered		Load krest		l Load krest		ad krest	Duckreat		Fwd Bwd		At 24 in (600mm)LC		LC		UNLOAED		
			in	mm	in	mm	in	mm	in	mm	in	mm			deg	deg	lb	kg	lb	kg	lb	kg	
		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	
	2-STAGE	V370	147	3,730	113	2,865	-	-	195.9	4,975	-	-	5.5	140	15	10	15,436	7,000	-	-	21,204	9,616	
	LIMITED FREE	V400	159	4,030	119	3,015	-	-	207.7	5,275	-	-	5.5	140	15	10	15,436	7,000	-	-	21,327	9,672	
	LIFT	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	
70L-7A		V600	237	6,030	160	4,065	-	-	286.4	7,275	-	-	5.5	140	15	10	14,994	6,800	-	-	22,353	10,137	
70L-7A		V700	277	7,030	180	4,565	-	-	325.8	8,275	-	-	5.5	140	15	6	14,774	6,700	-	-	22,611	10,254	
		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	
	3-STAGE	TF600	239	6,060	125	3,165	-	-	287.6	7,305	-	-	76	1,920	15	10	14,333	6,500	-	-	22,902	10,386	
	FULL FREE	TS450	180	4,560	101	2,565	-	-	228.5	5,805	-	-	52	1,320	15	10	15,436	7,000	-	-	22,260	10,095	
	LIFT	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







Various Attachments

MEMO

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

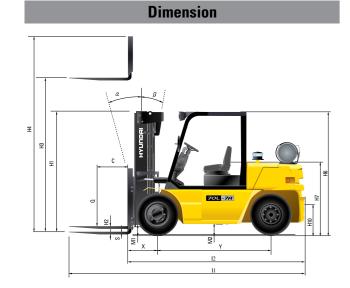
• MCV: 3-SP00L/4-SP00L/5-SP00L

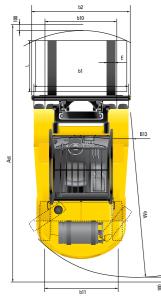
· SIDE SHIFT

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· INTEGRAL FORK POSITIONER CARRIAGE

- · INTEGRAL SIDE SHIFT CARRIAGE
- · INTEGRAL S/S WITH F/P CARRIAGE





	Specific	ation	
Identi	ification		
1.1	Manufacturer		Hyundai
1.2	Manufacturer's type designation		70L-7A
1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas, ma	anual	LP
1.4	Type of operation:hand,pedestrian,standing,seated,orde		seated
1.5	Load capacity / rated load	0 (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
Weigh	Its	,. ,	
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
Whee	ls, Chassis		
3.1	Tires:solid rubber, superplastic, pneumatic, polyu	rethane	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 whee	ls)	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 / I (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
434.1	Aisle width for pallets 1000x1200 crossways	Ast (mm)	5,185
4342	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
Perfo	rmance 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
Engin			
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
	Details		_ :
8.1	Type of drive control		Power Shift
8.2	Operating pressure, system / attachments	bar	185 / 150
		0 / main	76
8.3 8.4	Oil volume for attachments Sound level at the driver's ear according to DIN 12053	ℓ / min 8 dB(A)	76 82

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