



We build a better future

■ Some of the photos may include optional equipment.

HYUNDAI LPG FORKLIFT TRUCKS **Applied Tier 4 Engine**

35L/40L/45L/50L-7A

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



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NEW criteria of Forklift Trucks

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



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.

The new master on the job-site!

Smooth running, efficient and ergonomically designed, 35/40/45/50L-7A series are made to meet your needs.

70kW/2,300rpm



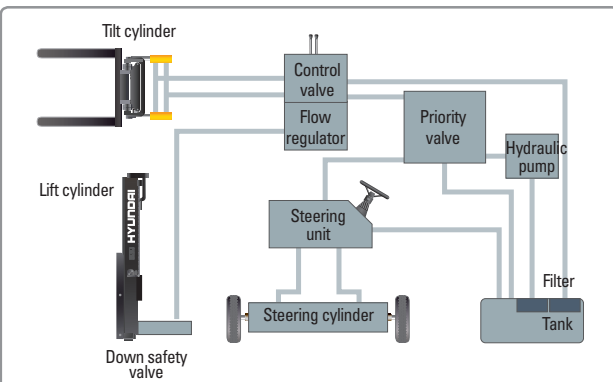
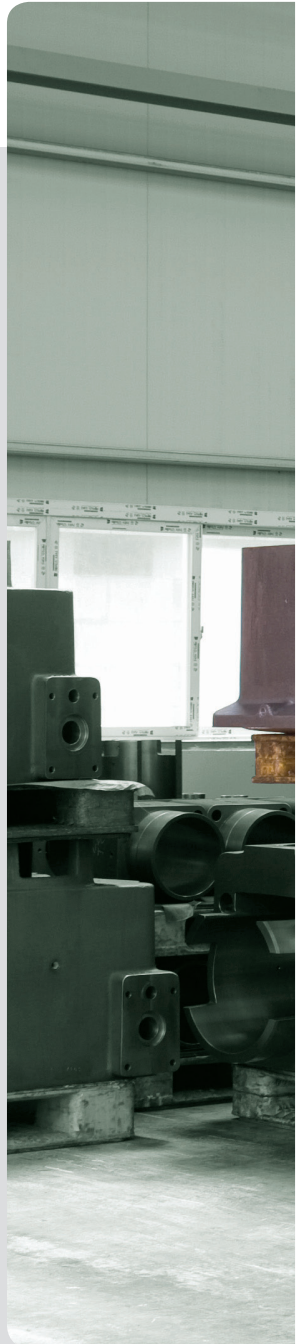
Powerful Engine GM 4.3L V6 Engine

Market approved quality of GM 4.3L V6 engine ensure incomparable performance, durability and additional value to the machine. Powerful and efficient engine provide 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.



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Increased Mast Tilting Angle

Utilizing the mast tilting angle of 8 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)

35L-7A : 40.5%	45L-7A : 31.6%
40L-7A : 36.2%	50L-7A : 28.7%

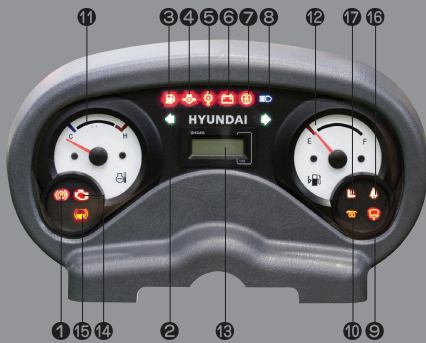
Travel Speed(Unloaded)

35L-7A : 23.8 km/h
40L-7A : 22.9 km/h
45L-7A : 22.9 km/h
50L-7A : 22.8 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



- | | | |
|---|------------------------------------|--------------------------|
| ① Parking brake lamp | ⑥ Battery charging warning lamp | ⑫ Fuel gauge |
| ② Directional indicators | ⑦ Air cleaner filter warning light | ⑬ Hour meter |
| ③ Fuel warning lamp | ⑧ Working light indicator | ⑭ Engine check lamp |
| ④ Engine oil warning lamp | ⑨ Water separator lamp | ⑮ Brake oil warning lamp |
| ⑤ Transmission oil temperature warning lamp | ⑩ Pre-heater indicator | ⑯ Seat belt warning |
| | ⑪ Water temperature gauge | ⑰ OPS warning (option) |



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.



Some of the photos may include optional equipment.



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.



Secondary Horn

Secondary Horn gives access to lights and horn.

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.

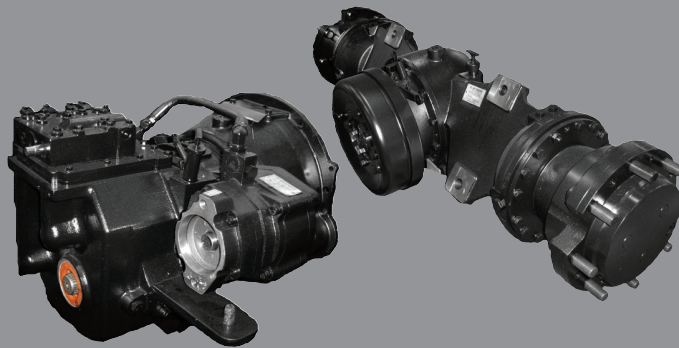


Parking brake

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.



Large Footboard & Hand Grip

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



Expansion Bellows

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



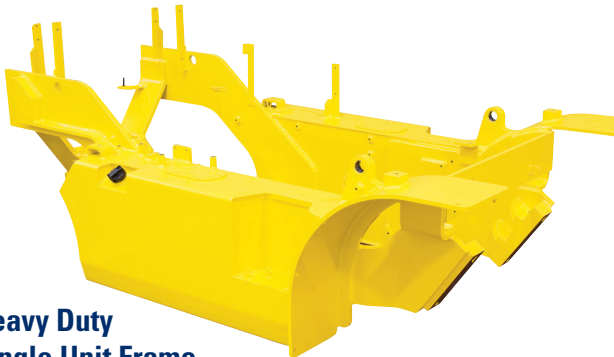
Electrically Monitored Air Filter

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





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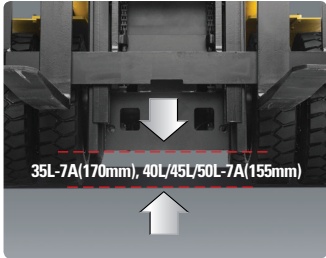
Heavy Duty Single Unit Frame

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.

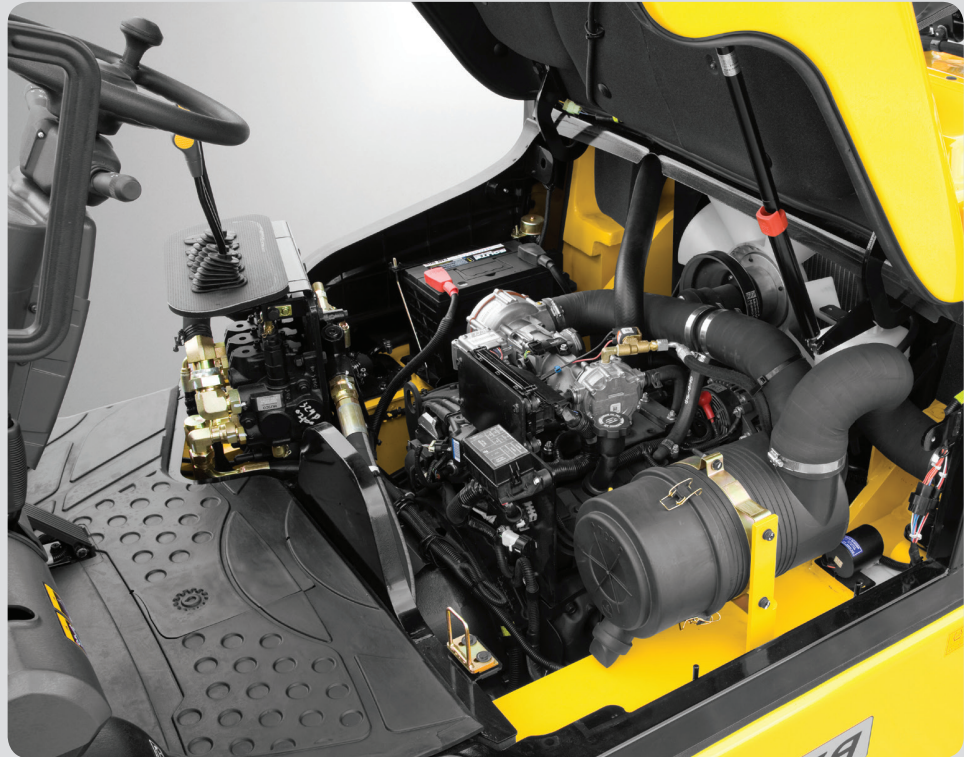
Designed for quick and easy service!

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



Easy Change Air Cleaner

The air filter is readily accessible for cleaning or replacement. (6inch Cyclone Type)



Fast Service Access for Daily Fluids Check



Maintenance Free Battery



Aluminum Radiator with Superb Protection Against heat



Removable Side Panels for Ease of Service



Easy access of electrical Components

Various electric parts are centralized in dash board resulting in improvement in maintenance.



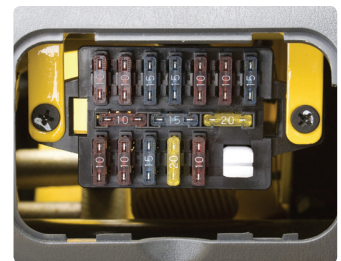
Easy Maintenance Oil Check

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



Brake Fluid Reservoir with level switch

When the oil level becomes lower than Min, the warning lamp on the cluster lights on.



An Accessible, Compact Fuse Box for Easy Inspection

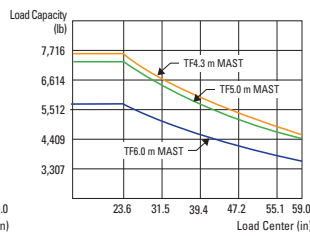
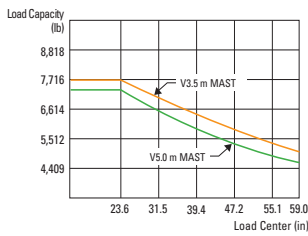
Mast Specification

Mast Type	Maximum Fork Height (in)		Overall Height Lowered (in)		Free Lift Height (in)				Tilt Angle (deg)	Load Capacity without side shift at 24 in LC (lb)								Load Capacity with side shift at 24 in LC (lb)								Truck Weight (Unloaded) (lb)												
	35L/40L/45L-7A	50L-7A	Single Tire		Double Tire		With Backrest			Without Backrest		Single Tire				Double Tire				Single Tire				Double Tire														
			35L/40L/45L-7A	50L-7A	35L/40L/45L-7A	50L-7A	35L/40L/45L-7A	50L-7A		35L/40L/45L-7A	50L-7A	35L-7A	40L-7A	45L-7A	50L-7A	35L-7A	40L-7A	45L-7A	50L-7A	35L-7A	40L-7A	45L-7A	50L-7A															
	Fwd/Bwd		35L-7A	40L-7A	45L-7A	50L-7A	35L-7A	40L-7A		45L-7A	50L-7A	35L-7A	40L-7A	45L-7A	50L-7A	35L-7A	40L-7A	45L-7A	50L-7A	35L-7A	40L-7A	45L-7A	50L-7A															
2-Stage Limited Free Lift	V270	107.1	103.5	82.1	81.5	4.7	4.7	4.7	4.7	8/10	7700	8800	9900	11000	7700	8800	9900	11000	7700	8800	9900	11000	7700	8800	9900	11000	7700	8800	9900	11000	12239	13259	14168	15193	12580	13493	14408	15440
	*V300	118.9	115.4	88.0	87.4	4.7	4.7	4.7	4.7	8/10	7700	8800	9900	11000	7700	8800	9900	11000	7700	8800	9900	10890	7700	8800	9900	10890	7700	8800	9900	10890	12305	13325	14234	15248	12646	13559	14474	15495
	V330	130.7	127.2	93.9	93.3	4.7	4.7	4.7	4.7	8/10	7700	8800	9900	11000	7700	8800	9900	11000	7700	8800	9790	10670	7700	8800	9790	10670	7700	8800	9790	10670	12388	13409	14318	15303	12729	13642	14557	15550
	V350	138.6	135.0	99.8	99.2	4.7	4.7	4.7	4.7	8/10	7700	8800	9900	11000	7700	8800	9900	11000	7590	8690	9680	10560	7590	8690	9680	10560	7590	8690	9680	10560	12439	13460	14368	15358	12780	13693	14608	15605
	V370	146.5	142.9	103.7	103.1	4.7	4.7	4.7	4.7	8/10	7700	8800	9900	11000	7700	8800	9900	11000	7480	8580	9570	10450	7480	8580	9570	10450	7480	8580	9570	10450	12490	13511	14412	15396	12824	13737	14652	15640
	V400	158.3	154.7	112.0	111.4	4.7	4.7	4.7	4.7	8/10	7700	8800	9900	10780	7700	8800	9900	11000	7370	8360	9350	10230	7370	8360	9350	10230	7370	8360	9350	10230	12577	13598	14507	15473	12916	13831	14744	15719
	V450	178.0	174.4	121.9	121.3	4.7	4.7	4.7	4.7	8/6	7590	8580	9570	10450	7590	8690	9680	10560	7150	8140	9130	10010	7150	8140	9130	10010	7150	8140	9130	10010	12824	13845	14753	15699	13165	14078	14993	15946
V600	197.6	194.1	131.7	131.1	4.7	4.7	4.7	4.7	8/6	7370	8250	9240	10120	7370	8470	9350	10230	6930	7810	8800	9680	6930	7920	8910	9800	6930	7920	8910	9800	12936	13957	14865	15792	13277	14190	15105	16038	
2-Stage full Free Lift	VF280	110.4	106.2	84.1	83.5	4.95	35.6	36.2	48.1	8/8	7700	8800	9900	11000	7700	8800	9900	11000	7700	8800	9900	11000	7700	8800	9900	11000	7700	8800	9900	11000	12329	13350	14247	15233	12663	13576	14487	15479
	VF300	118.3	114.1	88.0	87.4	5.35	39.6	40.1	52.1	8/8	7700	8800	9900	11000	7700	8800	9900	11000	7700	8800	9900	10890	7700	8800	9900	10890	7700	8800	9900	10890	12386	13407	14304	15288	12720	13633	14544	15534
	VF315	124.2	120.0	91.5	90.9	5.70	43.1	43.7	55.6	8/8	7700	8800	9900	11000	7700	8800	9900	11000	7590	8690	9680	10560	7590	8690	9680	10560	7590	8690	9680	10560	12430	13451	14346	15327	12764	13675	14586	15574
3-Stage Full Free Lift	TF370	146.9	144.6	80.1	79.5	32.0	31.8	44.8	42.3	8/8	7700	8800	9900	11000	7700	8800	9900	11000	7260	8470	9350	10340	7370	8470	9350	10340	7370	8470	9350	10230	12804	13825	14733	15638	13145	13881	14978	15866
	TF400	158.7	156.4	84.1	83.5	35.9	35.7	48.8	46.2	8/8	7590	8800	9900	10780	7700	8800	9900	10780	7150	8250	9240	10120	7260	8250	9240	10120	7260	8250	9240	10120	12870	13891	14799	15695	13211	14047	15044	15924
	TF430	170.5	168.2	88.0	87.4	39.8	39.6	52.7	50.2	8/8	7480	8580	9570	10560	7590	8690	9680	10560	6930	8140	9130	10120	7040	8140	9130	10120	7040	8140	9130	10120	12938	13959	14868	15750	13279	14115	15112	15979
	TF450	177.6	175.3	90.4	90.2	42.2	42.0	55.1	52.5	8/8	7370	8580	9460	10450	7480	8690	9460	10450	6930	8140	8910	9790	7040	8140	8910	9790	7040	8140	8910	9790	12980	14001	14909	15787	13321	14157	15154	16014
	TF470	185.8	183.5	93.9	94.1	45.7	45.5	58.6	56.1	8/8	7260	8470	9350	10340	7370	8580	9350	10340	6820	7920	8800	9680	6930	8030	8800	9680	6930	8030	8800	9680	13059	14080	14989	15838	13400	14236	15235	16067
	TF500	197.6	195.4	97.8	97.2	49.7	49.5	62.6	60.0	8/6	7150	8250	9130	10120	7260	8250	9240	10120	6710	7700	8580	9570	6820	7810	8580	9570	6820	7810	8580	9570	13112	14131	15039	15893	13451	14287	15286	16122
TF550	217.3	215.0	104.9	104.3	56.8	56.6	69.6	67.1	8/6	6820	7920	8800	9790	7040	8030	8910	9900	6050	7370	8030	9240	6600	7590	8360	9240	6600	7590	8360	9240	13246	14267	15176	16007	13885	14421	15420	16236	
TF600	237.4	235.1	112.0	111.4	63.9	63.6	76.7	74.2	8/6	5720	6710	7260	8130	6820	7700	8580	9570	5390	6380	6820	8690	6380	7260	8030	9020	6380	7260	8030	9020	13396	14417	15325	16097	13737	14573	15569	16324	

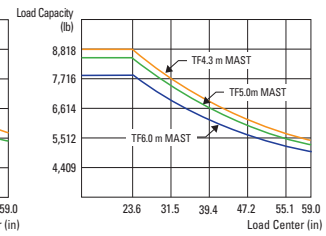
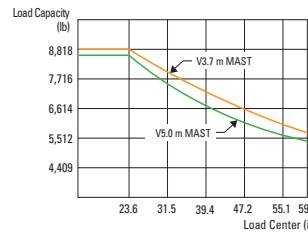
*Standard

Load Capacity

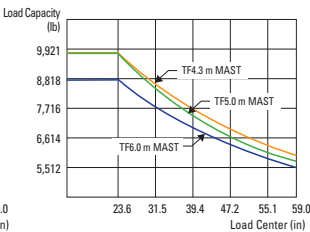
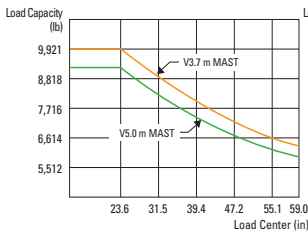
35L-7A



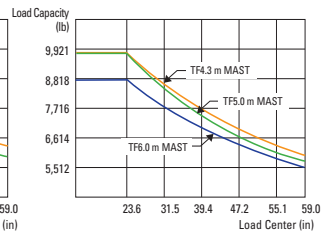
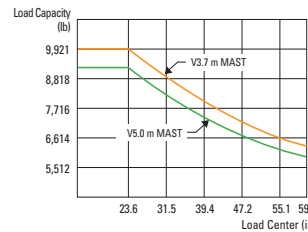
40L-7A



45L-7A



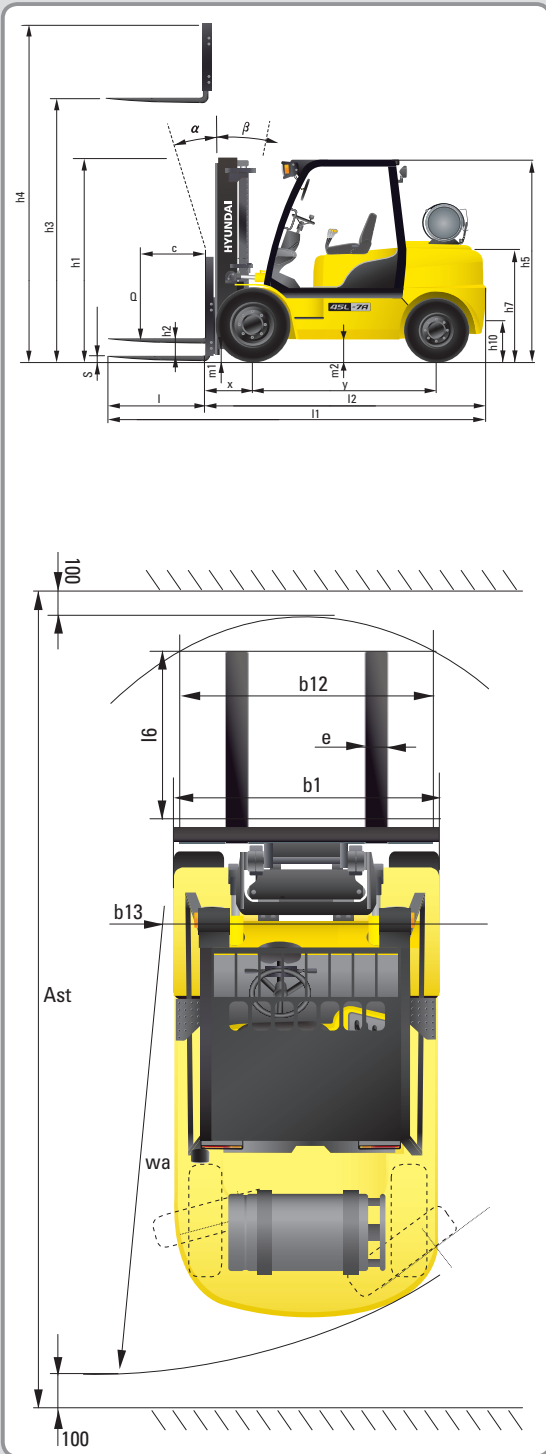
50L-7A



Optional Items

- CABIN**
- TIRE** : Cushion, No-marking, Double
- BEACON LAMP**
- SIDE SHIFT**
- SEAT** : Pocket, Arm Rest, Hip Rest
- HAZARD SWITCH**
- INTEGRAL FORK POSITIONER**
- LPG CLAMP** : Swing Out
- BRAKE PEDAL**
- FORK** : 54 in, 60 in, 66 in, 72 in, 77 in
- M.C.V** : 4-Spool
- Hydraulic Booster (w/o Accumulator)**
- OVER SHOE** : 71 in, 79 in, 87 in
- ATTACH PIPING** : 3 Spool-piping, 4 Spool-piping
- TILTING** : 8/6°, 8/8°
- MASTER SWITCH**

Dimension



Specification

Identification						
1.1	Manufacturer	Hyundai	Hyundai	Hyundai	Hyundai	
1.2	Manufacturer's type designation	35L-7A	40L-7A	45L-7A	50L-7A	
1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas, manual	LP	LP	LP	LP	
1.4	Type of operation: hand, pedestrian, standing, seated, order-picker	seated	seated	seated	seated	
1.5	Load capacity / rated load	Q (kg)	3,500	4,000	4,500	5,000
1.6	Load center distance	c (mm)	600	600	600	600
1.8	Load distance, center of drive axle to fork	x (mm)	561	561	561	576
1.9	Wheelbase	y (mm)	2,000	2,000	2,000	2,000
Weights						
2.1	Service weight	kg	5,593	6,163	6,579	7,043
2.2	Axle loading, loaded front/rear	kg	8,166 / 927	9,094 / 1,069	9,891 / 1,188	10,716 / 1,372
2.3	Axle loading, unloaded front/rear	kg	2,634 / 2,959	2,772 / 3,391	2,779 / 3,800	2,814 / 4,229
Wheels, Chassis						
3.1	Tires: solid rubber, superplastic, pneumatic, polyurethane	Pneumatic / Solid rubber	Pneumatic / Solid rubber	Pneumatic / Solid rubber	Pneumatic / Solid rubber	
3.2	Tires size, front (width x Φ)	8.25 x 15 x 14pr	7.50 x 16 x 12pr	7.50 x 16 x 12pr	7.50 x 16 x 12pr	
3.3	Tires size, rear (width x Φ)	7.00 x 12 x 12pr	7.00 x 12 x 12pr	7.00 x 12 x 12pr	7.00 x 12 x 14pr	
3.5	Wheels, number front x rear (x=driven wheels)	2 x 2	4 x 2	4 x 2	4 x 2	
3.6	Track width, front	b10 (mm)	1,132	1,282	1,282	1,282
3.7	Track width, rear	b11 (mm)	1,140	1,140	1,140	1,140
Basic Dimensions						
4.1	Mast / fork carriage tilt forward / backward (α/β)	degrees	8 / 10	8 / 10	8 / 10	8 / 10
4.2	Lowered mast height	h1 (mm)	2,235	2,220	2,220	2,220
4.3	Free lift	h2 (mm)	120	120	120	120
4.4	Lift height	h3 (mm)	3,020	3,020	3,020	2,930
4.5	Extended mast height	h4 (mm)	4,224	4,224	4,235	4,147
4.7	Overhead guard (cab) height	h5 (mm)	2,240	2,240	2,240	2,240
4.8	Seat height / standing height	h7 (mm)	1,100	1,100	1,100	1,100
4.12	Coupling height	h10 (mm)	385	385	385	385
4.19	Overall length	l1 (mm)	4,145	4,205	4,405	4,435
4.20	Length to face of forks	l2 (mm)	3,075	3,135	3,185	3,235
4.21	Overall width	b1 (mm)	1,370	1,740	1,740	1,740
4.22	Fork dimensions	s / e / l (mm)	50 x 122 x 1,070	50 x 150 x 1,070	50 x 150 x 1,220	60 x 150 x 1,200
4.23	Fork carriage ISO 2328, class / type A,B		III / A	III / A	IV / A	IV / A
4.24	Fork-carriage width	b12 (mm)	1,300	1,600	1,600	1,600
4.31	Ground clearance, loaded, under mast	m1 (mm)	170	155	155	155
4.32	Ground clearance, centre of wheelbase	m2 (mm)	200	200	200	200
4.33	Aisle width for pallets 1000x1200 crossways	Ast (mm)	4,567	4,620	4,666	4,708
4.34	Aisle width for pallets 800x1200 lengthways	Ast (mm)	4,767	4,820	4,866	4,908
4.35	Turning radius	Wa (mm)	2,806	2,859	2,905	2,947
4.36	Smallest pivot point distance	b13 (mm)	1,009	1,009	1,009	1,009
Performance Data						
5.1	Travel speed, Unloaded	km/h	23.8	22.9	22.9	22.8
5.2	Lift speed, Loaded/Unloaded	mm/s	510 / 530	510 / 530	510 / 530	440 / 460
5.3	Lowering speed, Loaded/Unloaded	mm/s	500 / 450	500 / 450	500 / 450	500 / 450
5.5	Drawbar pull, Loaded	kg	4,002	4,065	3,930	3,911
5.7	Gradient performance, Loaded	%	40.5	36.2	31.6	28.7
5.10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic
Engine						
6.1	Engine manufacturer / type		GM 4.3L	GM 4.3L	GM 4.3L	GM 4.3L
6.2	Engine power acc. to ISO 1585	Kw	70	70	70	70
6.3	Rated speed	1/min	2,300	2,300	2,300	2,300
6.4	No. of cylinder / cubic capacity	/cm ³	6 / 4,294	6 / 4,294	6 / 4,294	6 / 4,294
Other Details						
8.2	Type of drive control		Power Shift	Power Shift	Power Shift	Power Shift
8.3	Operating pressure	bar	210 / 150	210 / 150	210 / 150	210 / 150
8.4	Oil volume	l/min	61	61	61	61
8.5	Noise	db(A)	80	80	80	80

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