

25/30/33L-9A

LPG Counterbalance Trucks

MOVING YOU FURTHER

hyundai heavy industries



■ Some of the photos may include optional equipment.

 **HYUNDAI**
HEAVY INDUSTRIES

Your satisfaction is our priority!

Hyundai introduces a new line of 9-series LPG forklift trucks.

The newly designed 4 wheel counterbalance trucks provide every operator comfortable driving, increased productivity and easy maintenance.



New LPG forklift with Proven quality and advanced technology

- Maximum performance
- Spacious operator's cab
- Switch type parking brake
- 5.6 inch LCD color monitor
- Truck inclination warning system
- OPSS System for safe operation
- Easy serviceability
- Max speed limit function
- HAC(Hillstart-Assistance Control)
- password starting system
- Load weight indicator
- Auto fork leveling system (Optional)



*Some of the photos may include optional equipment.

High Efficiency & Optimal Performance



HMC L4KB(2.4L) Engine

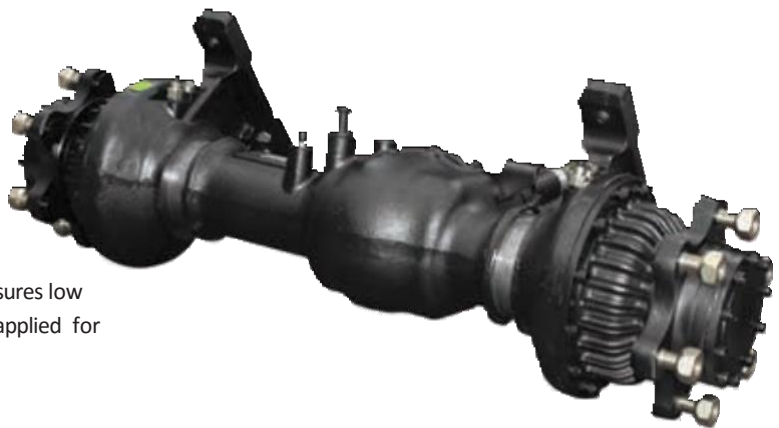
60PS/2,300rpm

Powerful Engine - HMC L4KB(2.4L)

Market approved quality of HMC L4KB engine ensures incomparable performance, durability and additional value to the machine. Powerful and efficient engine provides excellent fuel consumption and excellent torque.
(EPA/CARB Tier-IV Certified)

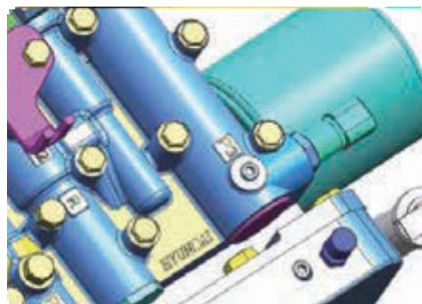
Highly durable drive axle

The strengthened drive axle separable from transmission ensures low vibration and easy maintenance. The wet disc type brake is applied for easy operation, smooth response and maintenance free.



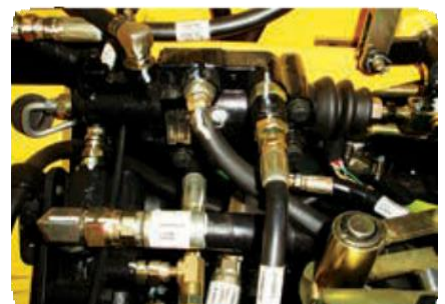
Fully hydrostatic power steering

The hydraulic steering system always guarantees smooth and flexible steering, preventing over-run and kick-back.



Clutch Protection System

The clutch protection system prevents excessive use of inching and minimizes change-impact.



Boosting type Brake valve

The boosting type brake valve is applied for strong braking performance.

Powerful engine and high technology systems provide you with enhanced performance and highest productivity.

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7.5% Faster Speed
7.0% Greater Power
(Compared to 7A Series)



*Some of the photos may include optional equipment.

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 (MAX)

Model	km / h
25L-9A	18.0
30L-9A	18.9
33L-9A	18.9

Gradeability (MAX)

Model	%
25L-9A	35.2
30L-9A	28.3
33L-9A	26.0

Tilting Degree Mast Sensor(G-Sensor)

Switch on the Mast Tilt Lever

Cluster

TILT LOCK

Auto Fork Leveling System (Optional)

To improve the productivity, the auto fork leveling system will automatically stop the tilt movement when the mast is in a straight position.

Load Sensor (Pressure Sensor)

MCU

Cluster

Load Indicator

The optional load indicator displays the load weight on the monitor. The load sensor reduces the time to check loaded weight and the alarm alerts the driver when overloaded.

Best Convenience & Optimized Ergonomics



*Some of the photos may include optional equipment.

Spacious operator cabin

The newly designed cabin provides wide visibility and spacious environment, ensuring all day comfort for the operator.

Comfortable Grammer Seat

Easily adjustable suspension seat, based on a human engineering design, reduces operator fatigue and provides greater comfort.

*ELR (Energy Locking Retractor) Type Seat Belt

*Heating and Head-rest (OPT)



Adjustable steering Wheel

To achieve a comfortable drive position, the angle of the steering column can easily be adjusted by a lever on the right-hand side of the steering column.



Fingertip (Optional)

Ergonomically designed fingertip control levers reduces operator's fatigue by eliminating the arm and shoulder movement reaches and awkward shoulder. It gives operators comfortability and efficiency.



Levers

Newly designed manual levers enable precise and sensitive control of all functions with an ergonomic gripping.

The ergonomically designed cabin and the new style LCD color monitor provides full support and comfort to the operator.

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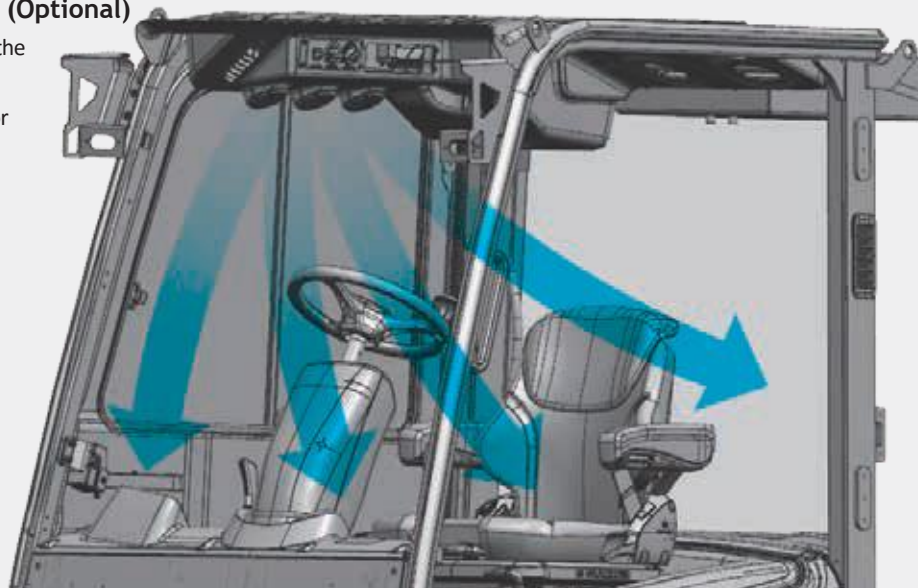
Advanced LCD Monitor

The 5.6 inch wide screen LCD color monitor allows the operator to control the machine with ease. The monitor features speed, travel direction, battery discharge indicator and hour meter.



Air-Conditioning System (Optional)

Air-conditioning system makes the operators' workspace more comfortable, increasing operator productivity.



Advanced Safety



Some of the photos may include optional equipment.

Excellent visibility for safe operation

Optimized lift cylinder arrangement provides operator with wider visibility.
The panoramic mirror expands the driver's view when backing up.



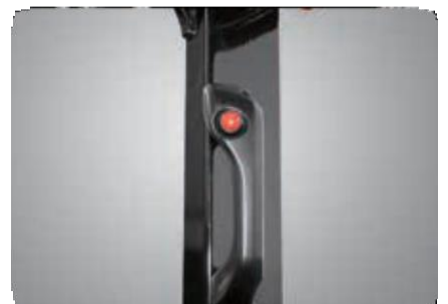
Strong overhead guard

Exceeding ISO6055 and ANSI regulations, the overhead guard offers optimal protection combined with excellent all round visibility.



Low entrance height

The low entrance height ensures easy and safe access for the operator.



Rear Horn (Optional)

Allowing operators hand to remain within forklift at all times for safety. An integral horn switch can prevent any hazardous situation at reverse mode.

The safely designed driver's spacemakes
your operating more comfortable.

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HAC (Hill Start Assist Control System)

Anti-roll back the truck when the truck
restart in the slope way.

Travel Speed Control System



In-Door : Adjustable Max. Travel Speed
(5 ~ 16 km/h)

Out-Door : Max Travel Speed
(18.9km/h for 30L-9A)

Fork safety Features

When the forks are being lowered, a down-control
valve maintains the controlled speed.

The down-safety valve prevents forks from dropping down
in case of sudden damage of hydraulic line.



*Some of the photos may include optional equipment.



Safety lamps & rear reflectors

Halogen headlights and rear LED combination lights offer the driver visibility in all circumstances.

Rear reflectors mounted on the counterweight enhance safety for the driver and the application.

*Full LED lamp are available.

Fast and Easy Maintenance



Large engine hood

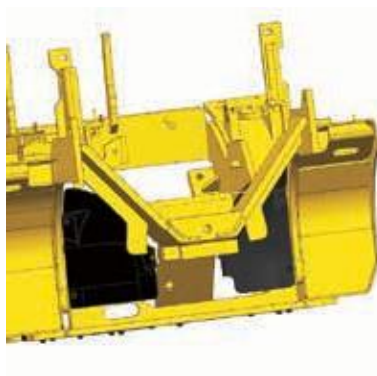
Highly accessible engine compartment assures fast and efficient maintenance.
The enlarged air cleaner(7") has extended service time of engine.

*Some of the photos may include optional equipment.



Waterproof & Dustproof cover

Newly developed Waterproof and Dustproof fuse box and relay box for ease of maintenance.



Rear Tire Cover (Optional)

The rear tire cover with PE material is well-suited to prevent clogging of the radiator from foreign substances.



Under Cover (Optional)

The Under cover protect the engine and components from dusts caused by ground. It helps to lengthen components life.

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

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Rear View Camera (Optional)



Parking Brake Switch
With auto parking function when the operator is not in the seat



Emergency switch (option)

*Some of the photos may include optional equipment.



Maintenance Management display



Password starting system (Anti-theft system)



Truck Inclination Warning System

New 9 Series

Mast Specification (25L-9A)

Mast Type		Maximum Fork Height		Overall Height (Lowered)		Free Lift Height				Tilt Angle	Load Capacity without side shift				Load Capacity with side shift				Truck Weight (Unloaded)			
						With Load Backrest		Without Load Backrest			Single Tire		Double Tire		Single Tire		Double Tire		Single Tire		Double Tire	
											24inLC	500mm LC	24inLC	500mm LC	24inLC	500mm LC	24inLC	500mm LC				
		in	mm	in	mm	in	mm	in	mm		deg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
2-Stage Limited freelif	V300	118.3	3005	79.7	2025	4.5	155	4.5	155	6/10	5000	2500	5000	2500	5000	2500	5000	2500	8161	3702	8488	3850
	*V330	130.1	3305	85.6	2175	4.5	155	4.5	155	6/10	5000	2500	5000	2500	5000	2500	5000	2500	8203	3721	8532	3870
	V350	138.0	3505	89.6	2275	4.5	155	4.5	155	6/10	5000	2500	5000	2500	5000	2500	5000	2500	8241	3738	8569	3887
	V370	145.9	3705	95.5	2425	4.5	155	4.5	155	6/10	5000	2500	5000	2500	5000	2460	5000	2500	8267	3750	8598	3900
	V400	157.7	4005	101.4	2575	4.5	155	4.5	155	6/10	5000	2500	5000	2500	5000	2380	5000	2500	8355	3790	8684	3939
	V430	169.5	4305	107.3	2725	4.5	155	4.5	155	6/6	5000	2480	5000	2500	5000	2360	5000	2500	8470	3842	8799	3991
	V450	177.4	4505	113.2	2875	4.5	155	4.5	155	6/6	5000	2430	5000	2500	4870	2310	5000	2460	8519	3864	8847	4013
	V470	185.2	4705	117.1	2975	4.5	155	4.5	155	6/6	4960	2390	5000	2500	4740	2270	5000	2380	8552	3879	8878	4027
2-Stage full freelif	V500	197.0	5005	123.0	3125	4.5	155	4.5	155	6/6	4850	2330	5000	2430	4630	2210	5000	2310	8600	3901	8926	4049
	VF295 /VS295	117.2	2976	79.7	2025	33.3	845	54.2	1377	6/6	5000	2500	5000	2500	5000	2500	5000	2500	8205	3722	8543	3875
	VF325 /VS325	129.0	3276	85.1	2175	38.7	995	60.2	1527	6/6	5000	2500	5000	2500	5000	2460	5000	2500	8278	3755	8618	3909
	VF345 /VS345	136.9	3476	89.6	2275	43.1	1095	64.1	1627	6/6	5000	2500	5000	2500	5000	2380	5000	2460	8331	3779	8688	3941
3-Stage full freelif	TF370/TS370	145.9	3705	71.9	1825	25.4	645	46.3	1177	6/6	5000	2500	5000	2500	5000	2460	5000	2500	8404	3812	8743	3966
	TF400/TS400	157.7	4005	75.8	1925	29.3	745	50.3	1277	6/6	5000	2500	5000	2500	5000	2380	5000	2500	8457	3836	8796	3990
	TF430/TS430	169.5	4305	79.7	2025	33.3	845	54.2	1377	6/6	5000	2440	5000	2500	5000	2320	5000	2460	8496	3854	8836	4008
	TF450/TS450	177.4	4505	83.7	2125	37.2	945	58.1	1477	6/6	5000	2410	5000	2500	4850	2290	5000	2380	8545	3876	8884	4030
	TF470/TS470	185.2	4705	85.6	2175	39.2	995	60.1	1527	6/6	4920	2360	5000	2450	4700	2240	4860	2330	8576	3890	8913	4043
	TF500/TS500	197.0	5005	89.6	2275	43.1	1095	64.1	1627	6/6	4810	2310	4940	2400	4590	2190	4720	2280	8624	3912	8962	4065
	TF550/TS550	216.7	5505	97.4	2475	51.0	1295	71.9	1827	6/6	3240	1550	4780	2310	3020	1430	4560	2190	8710	3951	9048	4104
	TF600/TS600	236.4	6005	105.3	2675	58.9	1495	79.8	2027	6/6	2930	1400	4590	2210	2710	1280	4370	2090	8854	4016	9191	4169
	TF650/TS650	256.1	6505	113.2	2875	66.7	1695	87.7	2227	3/3	2840	1350	4540	2180	2620	1230	4320	2060	8955	4062	9295	4216
	TF700/TS700	275.8	7005	121.1	3075	74.6	1895	95.6	2427	3/3	2430	1150	4370	2100	2210	930	4150	1980	9039	4100	9378	4254
4-Stage full freelif	QF610	240.7	6115	85.0	2160	38.6	980	59.5	1512	3/3	3330	1600	4410	2120	3110	1480	4190	2000	9387	4258	9771	4432
	QF660	260.4	6615	92.9	2360	46.5	1180	67.4	1712	3/3	2910	1400	4230	2040	2690	1280	4010	1920	9519	4318	9901	4491
	QF700	276.2	7015	96.9	2460	50.4	1280	71.3	1812	3/3	2290	1100	4120	1980	2070	980	3900	1860	9586	4348	9969	4522
	QF745	293.9	7465	102.8	2610	56.3	1430	77.2	1962	3/3	1680	800	3420	1650	1460	680	3200	1530	9687	4394	10071	4568
	QF790	311.6	7915	108.7	2760	62.2	1580	83.1	2112	3/3	1260	600	2600	1250	1240	480	2380	1130	9907	4494	10291	4668

Mast Specification (30L-9A)

Mast Type		Maximum Fork Height		Overall Height (Lowered)		Free Lift Height				Tilt Angle	Load Capacity without side shift				Load Capacity with side shift				Truck Weight (Unloaded)			
						With Load Backrest		Without Load Backrest			Single Tire		Double Tire		Single Tire		Double Tire					
											24inLC	500mm LC	24inLC	500mm LC	24inLC	500mm LC	24inLC	500mm LC	lb	kg	lb	kg
		in	mm	in	mm	in	mm	in	mm		deg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb
2-Stage Limited freelif	V300	118.3	3005	80.3	2040	4.5	155	4.5	155	6/10	6000	3000	6000	3000	6000	3000	6000	3000	9030	4096	9303	4220
	*V330	130.1	3305	86.2	2190	4.5	155	4.5	155	6/10	6000	3000	6000	3000	6000	3000	6000	3000	9074	4116	9347	4240
	V350	138.0	3505	90.2	2290	4.5	155	4.5	155	6/10	6000	3000	6000	3000	6000	3000	6000	3000	9114	4134	9387	4258
	V370	145.9	3705	96.1	2440	4.5	155	4.5	155	6/10	6000	3000	6000	3000	6000	2930	6000	3000	9142	4147	9416	4271
	V400	157.7	4005	102.0	2590	4.5	155	4.5	155	6/10	6000	3000	6000	3000	6000	2820	6000	3000	9231	4187	9506	4312
	V430	169.5	4305	107.9	2740	4.5	155	4.5	155	6/6	6000	2960	6000	3000	6000	2780	6000	2950	9347	4240	9621	4364
	V450	177.4	4505	113.8	2890	4.5	155	4.5	155	6/6	6000	2920	6000	3000	5800	2740	6000	2825	9398	4263	9672	4387
2-Stage full freelif	V470	185.2	4705	117.7	2990	4.5	155	4.5	155	6/6	5910	2850	6000	2930	5610	2670	5830	2755	9431	4278	9705	4402
	V500	197.0	5005	123.6	3140	4.5	155	4.5	155	6/6	5820	2650	5970	2890	5520	2470	5670	2715	9482	4301	9755	4425
	VF295 /VS295	117.2	2976	80.3	2040	33.9	860	51.7	1314	6/6	6000	3000	6000	3000	6000	3000	6000	3000	9173	4161	9444	4284
	VF325 /VS325	129.0	3276	85.1	2190	38.7	1010	60.2	1464	6/6	6000	3000	6000	3000	6000	2950	6000	3000	9250	4196	9522	4319
3-Stage full freelif	VF345 /VS345	136.9	3476	90.2	2290	43.7	1110	61.6	1564	6/6	6000	3000	6000	3000	6000	2820	6000	2950	9328	4231	9599	4354
	TF370/TS370	145.9	3705	72.4	1840	26.0	660	43.9	1114	6/6	6000	3000	6000	3000	6000	2820	6000	3000	9414	4270	9685	4393
	TF400/TS400	157.7	4005	76.4	1940	29.9	760	47.8	1214	6/6	6000	3000	6000	3000	6000	2800	6000	2950	9469	4295	9738	4417
	TF430/TS430	169.5	4305	80.3	2040	33.9	860	51.7	1314	6/6	6000	2930	6000	3000	5810	2750	6000	2825	9517	4317	9786	4439
	TF450/TS450	177.4	4505	84.3	2140	37.8	960	55.7	1414	6/6	5930	2880	6000	2940	5630	2700	5830	2765	9572	4342	9843	4465
	TF470/TS470	185.2	4705	86.2	2190	39.8	1010	57.6	1464	6/6	5890	2850	5970	2900	5590	2670	5670	2725	9603	4356	9874	4479
	TF500/TS500	197.0	5005	90.2	2290	43.7	1110	61.6	1564	6/6	5730	2700	5840	2840	5430	2520	5540	2665	9654	4379	9923	4501
	TF550/TS550	216.7	5505	98.0	2490	51.6	1310	69.4	1764	6/6	3660	1750	5640	2720	3360	1570	5340	2545	9751	4423	10020	4545
	TF600/TS600	236.4	6005	105.9	2690	59.4	1510	77.3	1964	6/6	3020	1450	5450	2630	2720	1270	5150	2455	9905	4493	10174	4615
4-Stage full freelif	TF650/TS650	256.1	6505	113.8	2890	67.3	1710	85.2	2164	3/3	2930	1400	5380	2590	2630	1220	5080	2415	10018	4544	10287	4666
	TF700/TS700	275.8	7005	121.7	3090	75.2	1910	93.1	2364	3/3	2540	1200	5200	2500	2240	1020	4900	2325	10112	4587	10384	4710
	QF610	240.7	6115	85.6	2175	39.2	995	57.0	1449	3/3	3530	1700	5290	2560	3230	1520	4990	2385	10317	4680	10628	4821
	QF660	260.4	6615	93.5	2375	47.0	1195	64.9	1649	3/3	3130	1500	5090	2460	2830	1320	4790	2285	10450	4740	10761	4881
	QF700	276.2	7015	97.4	2475	51.0	1295	68.9	1749	3/3	2510	1200	4960	2400	2210	1020	4660	2225	10516	4770	10827	4911
	QF745	293.9	7465	103.3	2625	56.9	1445	74.8	1899	3/3	1870	900	4830	2320	1570	720	4530	2145	10617	4816	10928	4957
	QF790	311.6	7915	109.3	2775	62.8	1595	80.7	2049	3/3	1480	700	4650	2230	1180	520	4350	2055	10838	4916	11151	5058

25/30/33L-9A

Mast Specification (33L-9A)

Mast Type		Maximum Fork Height		Overall Height (Lowered)		Free Lift Height				Tilt Angle	Load Capacity without side shift				Load Capacity with side shift				Truck Weight (Unloaded)			
						With Load Backrest		Without Load Backrest			Single Tire		Double Tire		Single Tire		Double Tire		Single Tire		Double Tire	
											24inLC	500mm LC	24inLC	500mm LC	24inLC	500mm LC	24inLC	500mm LC				
		in	mm	in	mm	in	mm	in	mm	deg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
2-Stage Limited freelif	V300	118.3	3005	83.1	2110	4.5	155	4.5	155	6/10	6500	3300	6500	3300	6500	3300	6500	3300	9636	4371	9923	4501
	*V330	130.1	3305	89.0	2260	4.5	155	4.5	155	6/10	6500	3300	6500	3300	6500	3300	6500	3300	9689	4395	9976	4525
	V350	138.0	3505	92.9	2360	4.5	155	4.5	155	6/10	6500	3300	6500	3300	6500	3300	6500	3300	9722	4410	10011	4541
	V370	145.9	3705	98.8	2510	4.5	155	4.5	155	6/10	6500	3300	6500	3300	6500	3210	6500	3300	9755	4425	10040	4554
	V400	157.7	4005	104.7	2660	4.5	155	4.5	155	6/10	6500	3300	6500	3300	6500	3120	6500	3300	9846	4466	10132	4596
	V430	169.5	4305	110.6	2810	4.5	155	4.5	155	6/6	6500	3250	6500	3300	6500	3070	6500	3250	9965	4520	10251	4650
	V450	177.4	4505	116.5	2960	4.5	155	4.5	155	6/6	6500	3190	6500	3300	6500	3010	6500	3125	10015	4543	10304	4674
	V470	185.2	4705	120.5	3060	4.5	155	4.5	155	6/6	6500	3140	6500	3240	6300	2960	6500	3065	10051	4559	10337	4689
2-Stage full freelif	V500	197.0	5005	126.4	3210	4.5	155	4.5	155	6/6	6420	3100	6500	3170	6120	2920	6500	2995	10104	4583	10390	4713
	VF295 /VS295	117.2	2976	83.1	2110	36.6	930	54.5	1384	6/6	6500	3300	6500	3300	6500	3300	6500	3300	9819	4454	10099	4581
	VF325 /VS325	129.0	3276	88.3	2260	41.9	1080	60.1	1534	6/6	6500	3300	6500	3300	6500	3210	6500	3300	9899	4490	10179	4617
3-Stage full freelif	VF345 /VS345	136.9	3476	89.0	2260	46.5	1180	64.3	1634	6/6	6500	3300	6500	3300	6500	3120	6500	3250	9976	4525	10254	4651
	TF370/TS370	145.9	3705	75.2	1910	28.7	730	43.9	1114	6/6	6500	3300	6500	3300	6500	3120	6500	3250	10135	4597	10414	4724
	TF400/TS400	157.7	4005	79.1	2010	32.7	830	47.8	1214	6/6	6500	3250	6500	3300	6500	3070	6500	3125	10183	4619	10463	4746
	TF430/TS430	169.5	4305	83.1	2110	36.6	930	51.7	1314	6/6	6500	3180	6500	3280	6500	3000	6500	3105	10229	4640	10509	4767
	TF450/TS450	177.4	4505	87.0	2210	40.6	1030	55.7	1414	6/6	6500	3120	6500	3220	6270	2940	6500	3045	10276	4661	10558	4789
	TF470/TS470	185.2	4705	89.0	2260	42.5	1080	57.6	1464	6/6	6350	3080	6500	3170	6050	2900	6290	2995	10306	4675	10586	4802
	TF500/TS500	197.0	5005	92.9	2360	46.5	1180	61.6	1564	6/6	6260	3030	6390	3110	5960	2850	6090	2935	10355	4697	10635	4824
	TF550/TS550	216.7	5505	100.8	2560	54.3	1380	69.4	1764	6/6	4560	2200	6170	2990	4260	2020	5870	2815	10452	4741	10732	4868
	TF600/TS600	236.4	6005	108.7	2760	62.2	1580	77.3	1964	6/6	3130	1500	5950	2870	2830	1320	5650	2695	10613	4814	10893	4941
	TF650/TS650	256.1	6505	116.5	2960	70.1	1780	85.2	2164	3/3	3060	1450	5910	2830	2760	1280	5610	2655	10719	4862	10999	4989
4-Stage full freelif	TF700/TS700	275.8	7005	124.4	3160	78.0	1980	93.1	2364	3/3	2650	1250	5710	2730	2350	1080	5410	2555	10809	4903	11089	5030
	QF610	240.7	6115	87.6	2225	41.1	1045	57.0	1449	3/3	3750	1800	5930	2870	3450	1620	5630	2695	10891	4940	11182	5072
	QF660	260.4	6615	95.5	2425	49.0	1245	64.9	1649	3/3	3330	1600	5730	2770	3030	1420	5430	2595	11023	5000	11314	5132
	QF700	276.2	7015	99.4	2525	53.0	1345	68.9	1749	3/3	2710	1300	5600	2700	2410	1120	5300	2525	11089	5030	11380	5162
	QF745	293.9	7465	105.3	2675	58.9	1495	74.8	1899	3/3	2090	1000	5420	2620	1790	820	5210	2445	11184	5073	11475	5205
	QF790	311.6	7915	111.2	2825	64.8	1645	80.7	2049	3/3	1680	800	5250	2530	1380	620	4950	2355	11411	5176	11704	5309

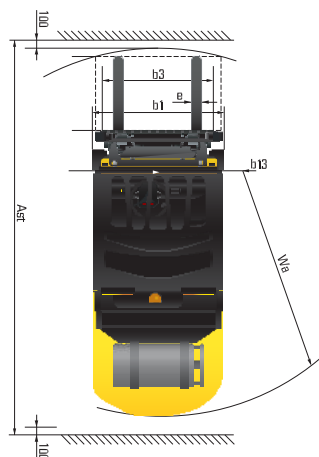
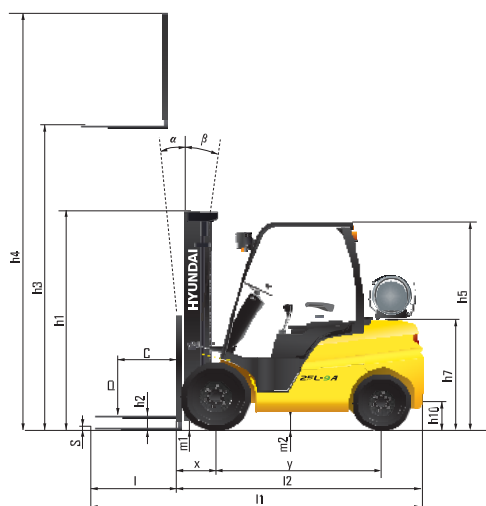
Optional Items

- **Fork(mm)**
25L-9A : 900, 1000, 1050(STD), 1200, 1350, 1500, 1650, 1800, 2100
30/33L-9A : 900, 1050(STD), 1150, 1200, 1650, 1800, 1970, 2120, 2300, 2400
- **Overshoe(mm)**
25L-9A : 1300, 1500, 1700, 1800
30/33L-9A : 1300, 1500, 1700, 1800
- **Integral Sideshift, Fork Positioner, Sideshift, Integral Fork Positioner with Sideshift**
- **Tire : Solid(superelastic) / Non-marking / Front double tire**
- **M.C.V : 4-Spool**
- **Seat : Armrest, Heat, Backrest Ext, Buckle SW**
- **Auto Fork Leveling System**
- **Rear View Camera**
- **Cabin(Heater, A/C), Air-conditioner option (30, 33L-9A) only**
- **Hydraulic Pump Temperature/ Pressure Indication**
- **Battery Disconnect Switch(Master Switch)**
- **Beacon Lamp(LED)(Amber, Red, Blue)**
- **Rear work Lamp(LED)**
- **F-NR & Horn Knob switch(Manual Lever)**
- **Rear Horn with Handle**
- **Finger Tip Control Lever (4-spool) (with F-NR & Horn switch)**
- **Hydro Accumulator**

- The Specifications in this brochure are subject to change for option.
- The options in this brochure are subject to change to improve the performance of the forklift.

New 9 Series

Dimension



■ The Specifications in this brochure are subject to change for option.

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

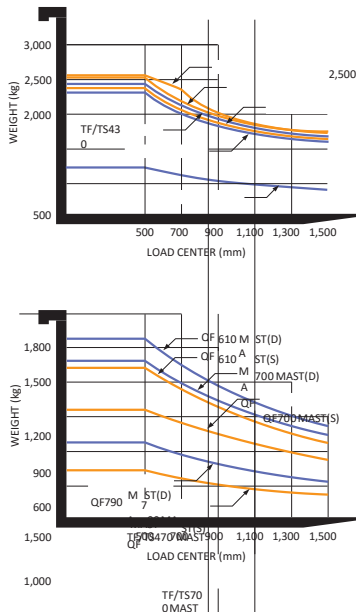
Specification

General Information				
1.1	Manufacturer	Hyundai	Hyundai	Hyundai
1.2	Model Manufacturer's Designation	25L-9A	30L-9A	33L-9A
1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas, manual	LPG	LPG	LPG
1.4	Type of operation: hand, pedestrian, standing, seated, order-picker	seated	seated	seated
1.5	Load capacity /Rated load	kg(lb)	2,500(5,000)	3,000(6,000)
1.6	Load center distance	cm(mm)	500(24)	500(24)
1.8	Load distance, center of drive axle to fork	x mm(in)	468(18.4)	468(18.4)
1.9	Wheelbase	y mm(in)	1,650(64.9)	1,700(66.9)
Weights				
2.1	Service weight	kg(lb)	3,721(8,203)	4,116(9,074)
2.2	Axle loading, loaded front /rear	kg(lb)	5,491(12,106) /731(1,612)	6,298(13,885) /818(1,803)
2.3	Axle loading, unloaded front /rear	kg(lb)	1,524(3,306) /2,179(4,804)	1,590(3,505) /2,526(5,569)
Wheels, Chassis				
3.1	Tires: solid rubber(V), superelastic(SE), pneumatic(P), polyurethane(PE)	P	P	P
3.2	Tires size, front	7.00-12,14PR	28X9-15,14PR	28X9-15,14PR
3.3	Tires size, rear	6.50-10,14PR	6.50-10,14PR	6.50-10,14PR
3.5	Number of wheels front/rear (x=driven wheels)	2x/2	2x/2	2x/2
3.6	Tires width, front	mm(in)	999(39.3)	1005(39.5)
3.7	Tires width, rear	mm(in)	980(38.5)	980(38.5)
Basic Dimensions				
4.1	Mast /fork carriage tilt forward /backward (a / b)	degrees	6/10	6/10
4.2	Lowered mast height	h1 mm(in)	2,175(85.6)	2,190(86.2)
4.3	Free lift	h2 mm(in)	155(6.1)	155(6.1)
4.4	Lift height	h3 mm(in)	3,305(130.1)	3,305(130.1)
4.5	Extended mast height	h4 mm(in)	4,485(176.5)	4,485(176.5)
4.7	Overhead guard height [cabin]	h5 mm(in)	2,160(85.0) [2,170(85.4)]	2,180(85.8) [2,190(86.2)]
4.8	Seat height /standing height rel. to SIP	h7 mm(in)	1,187(46.7)	1,212(47.7)
4.12	Coupling height	h10 mm(in)	295(11.6)	320(12.5)
4.19	Overall length	l1 mm(in)	3,657(143.9)	3,726(146.6)
4.20	Length to face of forks	l2 mm(in)	2,607(102.6)	2,732(107.5)
4.21	Overall width	b1 mm(in)	1,200(47.2)	1,228(48.3)
4.22	Fork dimensions(hook type)	l/e/s mm(in)	45x100x1,050 (1.8x3.9x41.3)	45x122x1,050 (1.8x4.8x41.3)
4.23	Fork carriage ISO 2328, class /type A,B		2A	3A
4.24	Fork-carriage width	b3 mm(in)	1,102(43.3)	1,102(43.3)
4.31	Ground clearance, loaded, undermast	m1 mm(in)	130(5.1)	145(5.7)
4.32	Ground clearance, centre of wheelbase	m2 mm(in)	157(6.1)	181(7.1)
4.33	Aisle width for pallets 1,000x1,200 crossways (LxW)	Ast mm(in)	4,010(157.8)	4,081(160.6)
4.34	Aisle width for pallets 800x1,200 lengthways (WxL)	Ast mm(in)	4,210(165.7)	4,281(168.5)
4.35	Turning radius	Wa mm(in)	2,342(92.2)	2,413(94.9)
4.36	Smallest pivot point distance	b13 mm(in)	714(28.1)	731(28.7)
Performance Data				
5.1	Travel speed, unloaded	km/h(mph)	18.0(11.2)	18.9(12.4)
5.2	Lift speed, loaded/ unloaded	mm/s(ft/min)	580(114)/ 590(116)	570(112)/ 590(116)
5.3	Lowering speed, loaded/unloaded	mm/s(ft/min)	500(98.4)/ 450(88.6)	500(98.4)/ 450(88.6)
5.6	Drawbar pull, loaded	N(lb)	22,653(5,093)	21,212(4,769)
5.8	Max. Gradient performance, loaded	%	35.2	28.3
5.9	Acceleration time, loaded/unloaded(10m)	sec	-	-
5.10	Service brake		Hydraulic	Hydraulic
Engine				
7.1	Engine manufacturer /type	HMC/L4KB	HMC/L4KB	HMC/L4KB
7.2	Engine power acc. to ISO 1585	PS/rpm	60/2,300	60/2,300
7.3	Maximum Torque	kgf-m(lbf-ft)/rpm	19(137.4)/1,800	19(137.4)/1,800
7.4	No. of cylinder /cubic capacity	EA/cc	4/2,359	4/2,359
Other Details				
8.1	Type of drive control	PowerShift	PowerShift	PowerShift
8.2	Operating pressure, system / attach	bar (psi)	216/162 (3133/2350)	216/162 (3133/2350)
8.3	Oil volume for attachments (hydraulic)	lpm (GPM)	30 (60Max.) (8 (16Max.))	30 (60Max.) (8 (16Max.))
8.4	Sound pressure level (at driver's ear according to DIN 12053	dB(A)	80	80
8.5	Trailer coupling, type DIN	PIN	PIN	PIN

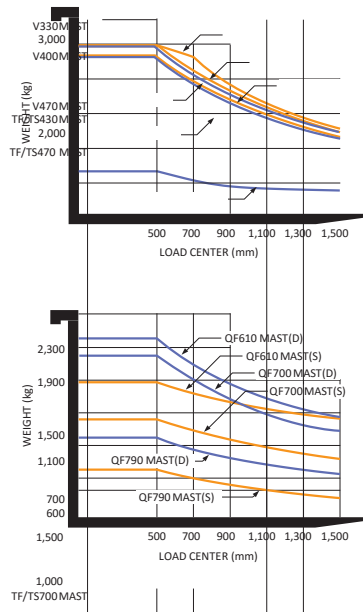
25/30/33L-9A

Load Capacity

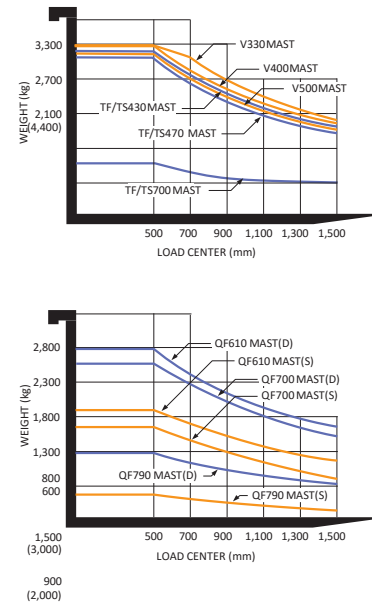
25L-9A



30L-9A



33L-9A



Various Attachments

