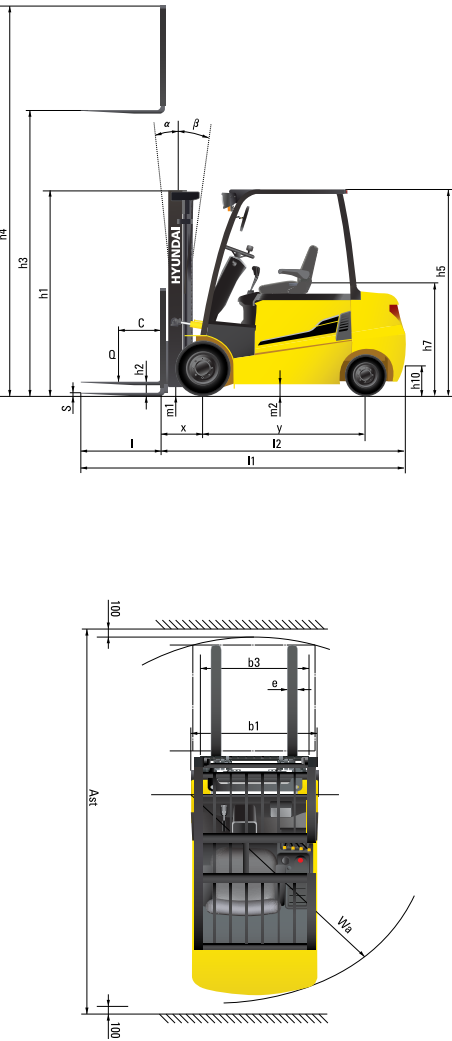


Dimension



Specification

Identification		HYUNDAI				
1. 1	Manufacturer					
1. 2	Manufacturer's type designation	22B-9	25B-9	30B-9	32B-9	35B-9
1. 3	Drive : electric(battery or mains), diesel, petrol, fuel gas, manual	electric	electric	electric	electric	electric
1. 4	Type of operation : hand, pedestrian, standing, seated, order - picker	seated	seated	seated	seated	seated
1. 5	Load capacity / rated load	Q kg	2,200	2,500	3,000	3,200
1. 6	Load center distance	c mm	500	500	500	500
1. 8	Load distance, center of drive axle to fork	x mm	458	458	458	470
1. 9	Wheelbase	y mm	1,400	1,400	1,600	1,600
Weights						
2. 1	Service weight	kg	4,045	4,310	4,750	4,935
2. 2	Axle loading, loaded front / rear	kg	5,400 / 845	5,930 / 880	6,740 / 1,010	7,080 / 1,055
2. 3	Axle loading, unloaded front / rear	kg	1,695 / 2,350	1,720 / 2,590	1,940 / 2,810	1,965 / 2,970
2. 3	Axle loading, unloaded front / rear	kg	1,695 / 2,350	1,720 / 2,590	1,940 / 2,810	1,965 / 2,970
Wheels, Chassis						
3. 1	Tires : solid rubber(V), superelastic(SE), pneumatic(P), polyurethane(PE)	SE, P	SE, P	SE, P	SE, P	SE, P
3. 2	Tires size, front(Φ x width)	23X9-10	23X9-10	23X9-10	23X9-10	23X10-12
3. 3	Tires size, rear(Φ x width)	18X7-8	18X7-8	18X7-8	18X7-8	18X7-8
3. 5	Wheels, number front rear(x = driven wheels)	2x/2	2x/2	2x/2	2x/2	2x/2
3. 6	Track width, front	mm	993	993	993	1,005
3. 7	Track width, rear	mm	980	980	980	980
Basic Dimensions						
4. 1	Mast / fork carriage tilt forward / backward	degrees	6/10	6/10	6/10	6/10
4. 2	Lowered mast height	h1 mm	2,162	2,162	2,162	2,232
4. 3	Free lift height	h2 mm	115	115	115	115
4. 4	Lift height	h3 mm	3,300	3,300	3,300	3,300
4. 5	Extended mast height	h4 mm	4,485	4,485	4,485	4,485
4. 7	Overhead guard (cab) height	h5 mm	2,230	2,230	2,230	2,230
4. 8	Seat height / Standing height	h7 mm	1,180	1,180	1,180	1,180
4. 12	Coupling height	h10 mm	325	325	325	325
4. 19	Overall length	l1 mm	3,345	3,345	3,538	3,553
4. 20	Length to face of forks	l2 mm	2,295	2,295	2,488	2,503
4. 21	Overall width	b1 mm	1,200	1,200	1,200	1,200
4. 22	Fork dimensions	s / e / l mm	45x100x1,050	45x100x1,050	45x122x1,050	45x122x1,050
4. 23	Fork carriage ISO 2328, class / type A, B	II/A	II/A	III/A	III/A	III/A
4. 24	Fork - carriage width	b3 mm	1,102	1,102	1,102	1,102
4. 31	Ground clearance, loaded, under mast	m1 mm	117	117	117	128
4. 32	Ground clearance, centre of wheelbase	m2 mm	130	130	130	130
4. 33	Aisle width for pallets 1,000 x 1,200 crossways	Ast mm	3,637	3,637	3,829	3,843
4. 34	Aisle width for pallets 800 x 1,200 lengthways	Ast mm	3,803	3,803	4,009	4,023
4. 35	Turning radius	Wa mm	1,939	1,939	2,150	2,164
4. 36	Smallest pivot point distance	mm	257	257	350	350
Performance Data						
5. 1	Travel speed, loaded/ unloaded(48V)	km/h	17 / 18	17 / 18	17 / 18	17 / 18
	(36V)	km/h	13 / 15	13 / 15	13 / 15	13 / 15
5. 2	Lift speed, loaded/ unloaded(48V)	mm/s	420 / 610	410 / 610	340 / 500	330 / 500
	(36V)	mm/s	310 / 500	300 / 500	250 / 410	240 / 410
5. 3	Lowering speed, loaded/unloaded	mm/s	500 / 450	500 / 450	500 / 450	500 / 450
5. 6	Max. drawbar pull, loaded/ unloaded S2 5min	N	20,310 / 19,910	20,370 / 19,840	20,230 / 19,820	20,170 / 19,790
5. 8	Max. gradient performance, loaded/ unloaded S2 5min	%	34 / 20	31 / 18	27 / 18	26 / 17
5. 10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic
E - Motor						
6. 1	Drive motor rating S2 60 min (48V)	kW	7.0x2	7.0x2	7.0x2	7.0x2
6. 2	Pump motor rating at S3 - 15 % (48V)	kW	17	17	17	17
6. 4	Battery voltage, nominal capacity K5 (48V)	Ah	660	715	740	740
6. 5	Battery weight	kg	1,090	1,150	1,320	1,320
	Battery compartment dimensions L / W / H	mm	1,035 / 806 / 540	1,035 / 806 / 540	1,035 / 1,000 / 540	1,035 / 1,000 / 540
Other Details						
8. 1	Type of drive control		AC	AC	AC	AC

22/25/30/32/35B-9

Electric Counterbalance Trucks

MOVING YOU FURTHER

HYUNDAI CONSTRUCTION EQUIPMENT



PLEASE CONTACT

Your satisfaction is our priority!

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

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

Compact forklift with proven AC technology

- Maximum performance
- Comfortable operating room
- Battery side loading system
- Curve control system
- Fingertip controlled mini levers available (optional)
- Weight indicator (optional)
- Safety system that prevents over loading (optional)
- Auto fork leveling (optional)



■ Some of the photos may include optional equipment.

High Efficiency & Optimal Performance



Efficient, smooth running and powerful performance make your work more productive.

22/25/30/32/35B-9



More efficient operating control levers (Optional)

Electronic directional control and secondary horn are mounted to the hydraulic lift lever for quick and precise maneuvering.

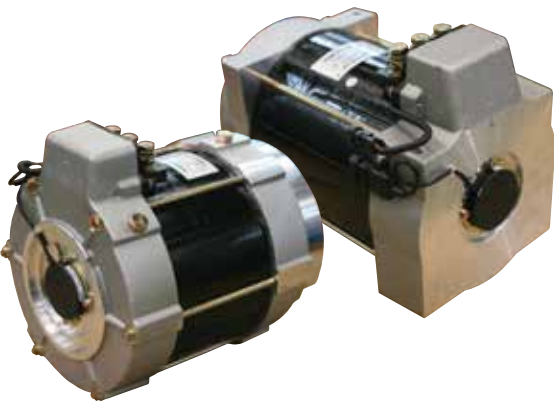


Finger tip control levers (Optional)

The finger tip control lever allows more precise control and fatigue-free working. The ergonomically designed armrest can be adjusted up, down, forward and backward for various operator's body type.



■ Some of the photos may include optional equipment.



Advanced drive and lift performance with proven durability and low maintenance

The enclosed drive and pump motor with AC technology combine power, high maintenance intervals and excellent durability. The brushless AC motors offer improved efficiency and reduction maintenance cost.



■ Some of the photos may include optional equipment.

Curve control

Curve Control limits travel speed based on turning radius, reducing speed for a smooth, precise turning operation for the driver.



Driving Speed

Limit the speed



Dual drive system

Using a dual drive system will minimize aisle width and energy consumption. Plus, the drive units and AC motors intergrated in the front axle provide the operator with extremely improved gradient capacity.



Max.Gradeability (loaded)		Max.Travel Speed (Unloaded)	
Model	%	Model	Km / h
22B-9	34	22B-9	18
25B-9	31	25B-9	18
30B-9	27	30B-9	18
32B-9	26	32B-9	18
35B-9	23	35B-9	18

Anti roll back system, travel speed and gradeability

Anti Roll-back system offers protection against the machine rolling back on a ramp in combination with exceptional ramp start capabilities.



Auto fork leveling system (Optional)

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

Advanced Safety



The safely designed driver's space makes your operating more comfortable.

22/25/30/32/35B-9



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.

■ Some of the photos may include optional equipment.



Strong overhead guard
Exceeding ISO6055 and ANSI regulations, the overhead guard offers great protection combined with excellent all around visibility.

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.

OPSS(Operator Presence Sensing System)
When the operator is not in the seat all mast and drive movements are impossible.

Lift Lock Tilt Lock Drive Lock

■ Some of the photos may include optional equipment.



Safety lamps & rear reflectors
LED combination lights and halogen headlights offer the driver visibility in all circumstances.
Rear reflectors mounted on the counterweight enhance safety for the driver and the application.

Optimised Ergonomics & Fast and Easy Maintenance



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

22/25/30/32/35B-9



Spacious operator cabin

The newly designed cabin was conceived for more space, a wider field of view and operator comfort.

■ Some of the photos may include optional equipment.



Optimized pedal position and floor mat

The position of accelerator and throttle have been optimized through human engineering.



Large entrance step

Wide and non-slip step offers convenience and safety when entering and exiting truck.



Adjustable steering wheel

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

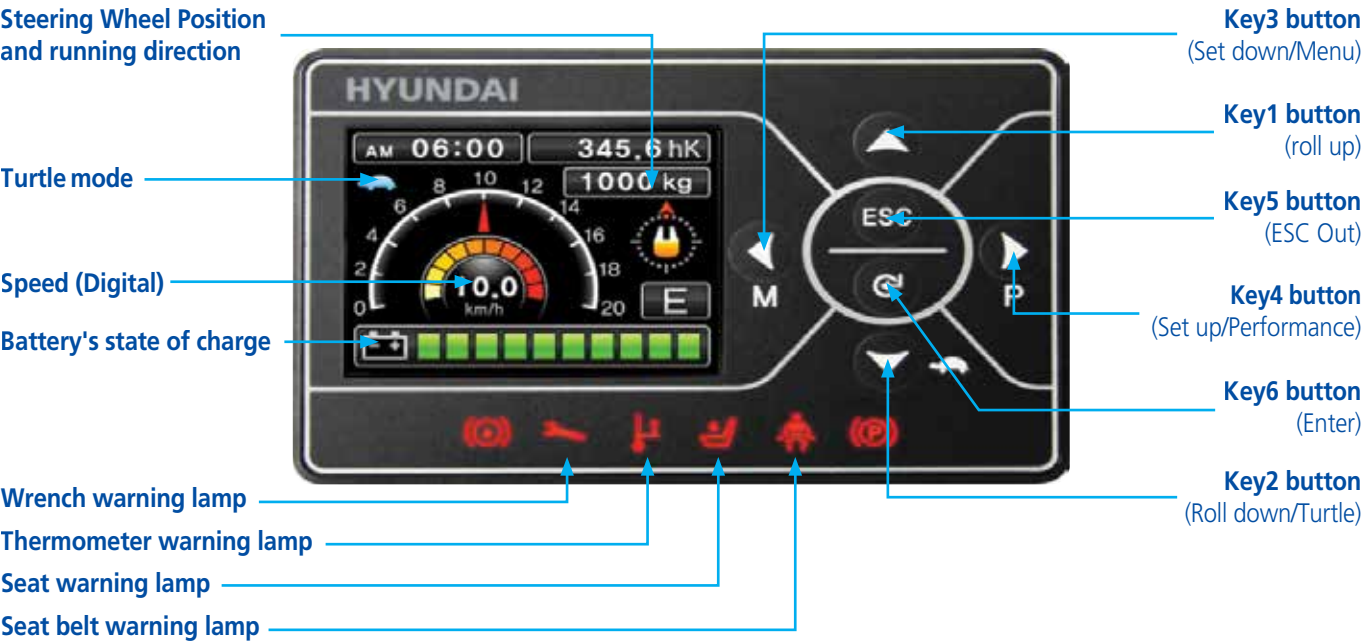


Grammer Seat (STD)

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)

Advanced LCD Monitor



The LCD color monitor with 3.5 inch graphic smart display allows the operator to easily and efficiently control the machine. The monitor provides information about speed & accelerator level, steer angle & travel direction, battery discharge indicator, hour meter & working mode. The optional load indicator displays the load weight in the monitor. The optional indicator displays the height of fork in the monitor. The operator can select various performance modes to meet all working conditions. It is available multi-languages (maximum 11) for operator.

The monitor also displays information about operation error, system fault, battery level, hour meter plus other various functions. It enables the operator to maintain the forklift in optimum operating condition.

H (High) mode **N** (Normal) mode **E** (Economic) mode

Turtle mode



Easy battery replacement

The battery compartment is equipped with a side battery removal assembly for easy removal and replacement.



Brake oil reservoir with level sensor

The enhanced brake oil reservoir, located in the upper left dash, is equipped with an electronic level sensor and easily visible through the monitor.

New 9 Series

Mast Specification (22/25/30B-9)

Mast Type		Maximum Fork Height (mm)	Overall Height (Lowered) (mm)	Free Lift Height (mm)			Tilt Angle (deg) Fwd / Bwd	Load Capacity without side shift at (500mm LC)(kg)			Load Capacity with side shift at (500mm LC)(kg)			Truck Weight (Unloaded) (kg)		
		22/25/30B-9	22/25/30B-9	22/25/30B-9	22/25B-9	30B-9	22/25/30B-9	22B-9	25B-9	30B-9	22B-9	25B-9	30B-9	22B-9	25B-9	30B-9
2- Stage Limited free lift	V300	3005	2012	115	115	115	6 / 10	2200	2500	3000	2200	2500	3000	4023	4288	4731
	* V330	3305	2162	115	115	115	6 / 10	2200	2500	3000	2200	2500	3000	4045	4310	4750
	V350	3505	2262	115	115	115	6 / 10	2200	2500	3000	2200	2500	3000	4059	4324	4767
	V370	3705	2412	115	115	115	6 / 10	2200	2500	3000	2200	2475	3000	4081	4346	4789
	V400	4005	2562	115	115	115	6 / 10	2200	2500	3000	2200	2425	3000	4103	4368	4811
	V430	4305	2712	115	115	115	6 / 6	2200	2450	3000	2200	2375	3000	4152	4417	4860
	V450	4505	2862	115	115	115	6 / 6	2200	2400	3000	2175	2325	2950	4182	4447	4889
	V470	4705	2962	115	115	115	6 / 6	2200	2360	3000	2125	2285	2875	4196	4461	4904
2- Stage full free lift	V500	5005	3112	115	115	115	6 / 6	2150	2350	2900	2075	2275	2775	4218	4483	4926
	VF295	2976	2012	832	1379	1317	6 / 6	2200	2500	3000	2200	2500	3000	4070	4335	4751
	VF325	3276	2162	982	1529	1467	6 / 6	2200	2500	3000	2200	2500	2950	4103	4368	4784
3- Stage full free lift	VF345	3476	2262	1082	1629	1567	6 / 6	2200	2500	3000	2175	2475	2875	4125	4390	4809
	TF370/TS370	3705	1812	632	1122	1117	6 / 6	2200	2500	3000	2200	2475	3000	4200	4465	4896
	TF400/TS400	4005	1912	732	1222	1217	6 / 6	2200	2500	3000	2200	2425	3000	4221	4486	4918
	TF430/TS430	4305	2012	832	1322	1317	6 / 6	2200	2450	3000	2200	2375	2950	4244	4509	4938
	TF450/TS450	4505	2112	932	1422	1417	6 / 6	2200	2400	3000	2175	2325	2875	4265	4530	4965
	TF470/TS470	4705	2162	982	1472	1467	6 / 6	2200	2350	2950	2125	2275	2825	4277	4542	4980
	TF500/TS500	5005	2262	1082	1572	1567	6 / 6	2150	2300	2900	2075	2225	2775	4302	4567	5006
	TF550/TS550	5505	2462	1282	1772	1767	6 / 6	2100	2200	2800	2025	2125	2675	4342	4607	5048
	TF600/TS600	6005	2662	1482	1972	1967	6 / 6	2000	2150	2700	1925	2075	2575	4381	4646	5088
	TF650/TS650	6505	2862	1682	2172	2167	3 / 3	1650	1800	2250	1575	1725	2125	4420	4685	5129
4- Stage full free lift	TF700/TS700	7005	3062	1882	2372	2367	3 / 3	1200	1400	1850	1125	1325	1725	4457	4722	5169
	QF610	6115	2147	967	1514	1452	3 / 3	1550	1650	1800	1475	1575	1675	4595	4860	5270
	QF660	6615	2347	1167	1714	1652	3 / 3	1450	1550	1700	1375	1475	1575	4655	4920	5330
	QF700	7015	2447	1267	1814	1752	3 / 3	1250	1300	1400	1175	1225	1275	4685	4950	5360
	QF745	7465	2597	1417	1964	1902	3 / 3	1150	1200	1250	1075	1125	1125	4731	4996	5406
	QF790	7915	2747	1567	2114	2052	3 / 3	700	750	750	625	675	625	4832	5097	5507

Mast Specification (32/35B-9)

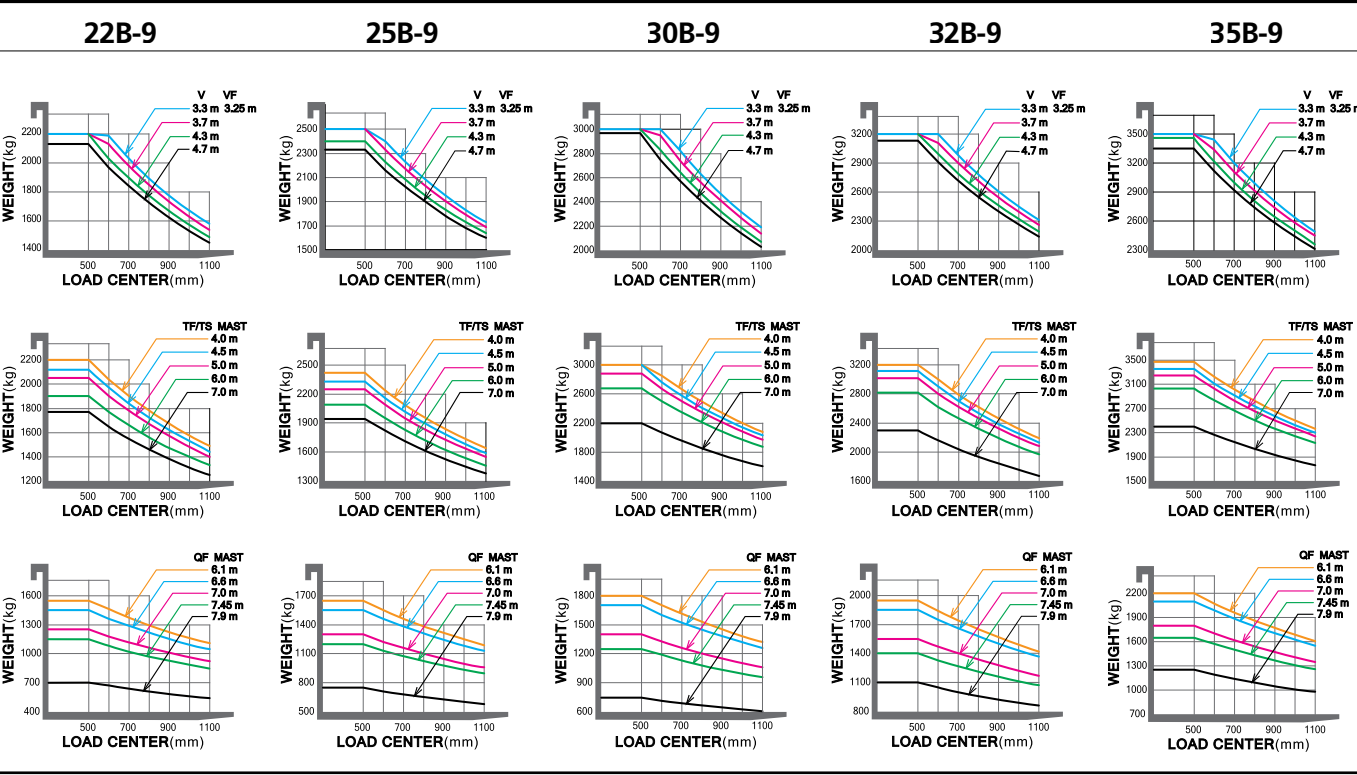
Mast Type		Maximum Fork Height (mm)	Overall Height (Lowered) (mm)	Free Lift Height (mm)				Tilt Angle (deg) Fwd / Bwd	Load Capacity without side shift at (500mm LC)(kg)		Load Capacity with side shift at (500mm LC)(kg)		Truck Weight (Unloaded) (kg)	
		32/35B9	32B-9	35B-9	32B-9	35B-9	32B-9	35B-9	32B-9	35B-9	32B-9	35B-9	32B-9	35B-9
2- Stage Limited free lift	V300	3005	2082	2093	115	115	115	115	6 / 10	3200	3500	3200	4914	5169
	* V330	3305	2232	2243	115	115	115	115	6 / 10	3200	3500	3200	4935	5190
	V350	3505	2332	2343	115	115	115	115	6 / 10	3200	3500	3075	4943	5198
	V370	3705	2482	2493	115	115	115	115	6 / 10	3190	3500	3065	4961	5216
	V400	4005	2632	2643	115	115	115	115	6 / 10	3120	3500	2995	4978	5233
	V430	4305	2782	2793	115	115	115	115	6 / 6	3050	3500	2925	5023	5278
	V450	4505	2932	2943	115	115	115	115	6 / 6	3000	3450	2875	5048	5303
	V470	4705	3032	3043	115	115	115	115	6 / 6	2960	3400	2835	5060	5315
2- Stage full free lift	V500	5005	3182	3193	115	115	115	115	6 / 6	2900	3300	2775	5077	5332
	VF295	2976	2082	2093	913	913	1377	1377	6 / 6	3200	3500	3200	4961	5216
	VF325	3276	2232	2243	1063	1063	1527	1527	6 / 6	3200	3500	3200	4984	5239
3- Stage full free lift	VF345	3476	2332	2343	1163	1163	1627	1627	6 / 6	3200	3500	3075	5010	5265
	TF370/TS370	3705	1882	1893	702	713	1112	1177	6 / 6	3190	3500	3065	5114	5369
	TF400/TS400	4005	1982	1993	802	813	1212	1277	6 / 6	3120	3500	2995	5136	5391
	TF430/TS430	4305	2082	2093	902	913	1312	1377	6 / 6	3060	3450	2935	5145	5400
	TF450/TS450	4505	2182	2193	1002	1013	1412	1477	6 / 6	3010	3400	2885	5187	5442
	TF470/TS470	4705	2232	2243	1052	1063	1462	1527	6 / 6	2980	3350	2855	5202	5457
	TF500/TS500	5005	2332	2343	1152	1163	1562	1627	6 / 6	2920	3300	2795	5226	5481
	TF550/TS550	5505	2532	2543	1352	1363	1762	1827	6 / 6	2820	3150	2695	5271	5526
	TF600/TS600	6005	2732	2743	1552	1563	1962	2027	6 / 6	2730	3100	2605	5315	5570
	TF650/TS650	6505	2932	2943	1752	1763	2162	2227	3 / 3	2300	2600	2175	5359	5614
4- Stage full free lift	TF700/TS700	7005	3132	3143	1952	1963	2362	2427	3 / 3	1900	2200	1775	5404	5659
	QF610	6115	2147	2158	1017	1017	1459	1459	3 / 3	1810	2500	1685	5483	5738
	QF660	6615	2347	2358	1217	1217	1659	1659	3 / 3	1710	2400	1585	5543	5798
	QF700	7015	2447	2458	1317	1317	1759	1759	3 / 3	1420	2100	1295	5573	5828
	QF745	7465	2597	2608	1467	1467	1909	1909	3 / 3	890	1950	765	5616	5871
	QF790	7915	2758	2769	1617	1617	2059	2059	3 / 3	500	1450	375	5719	5974

※ TS-Mast : Wide Visible 3-Stage Full Free Lift Mast with 2 Free Lift Cylinders.

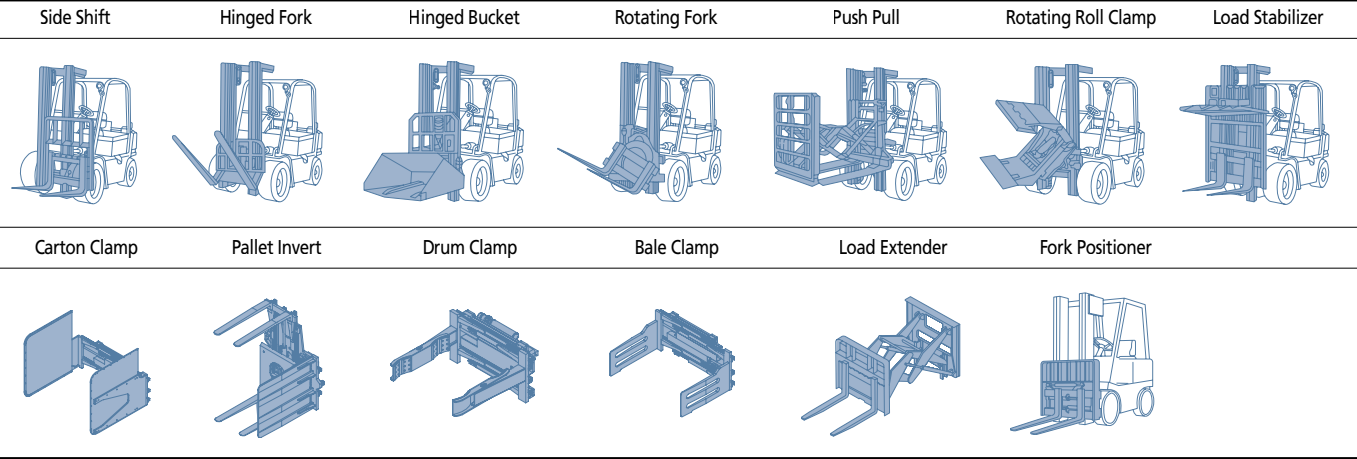
* Standard

22/25/30/32/35B-9

Load Capacity



Various Attachments



Optional Items

- Fork(mm)
22/ 25B-9 : 900, 1000, 1050(STD), 1200, 1350, 1500, 1650, 1800
30/32/35B-9 : 900, 1050(STD), 1150, 1200, 1650, 1800, 1970, 2120, 2300, 2400
- Overshoe(mm)
22/ 25B-9 : 1300, 1500, 1700, 1800
30/32/35B-9 : 1500, 1700, 1800
- Integral Sideshift, Fork Positioner, Integral Fork Positioner with Sideshift
- Tire : Solid(STD)/ Pneumatic / Non-marking
Wide tire[22/25/30/32B-9 : Front tire (23x10-12)]
- Seat : Heating, Back rest extension
- Finger Tip Control
- Cold Storage
- M.C.V : 2-Spool (STD), 3-Spool, 4-Spool

- Auto Tilt Leveling
- Beacon Lamp
- Load Indicator
- Work Lamp
- Side Mirror
- OPSS : Mast
- UL : ES, EE
- Cabin
 - ① : Front + Roof
 - ② : ① + Rear
 - ③ : ② + Side door
 - ④ : ③ + Heater
 - ⑤ : ④ + Audio