

Battery forklift with AC motor technology

25/30/32/35B-9U

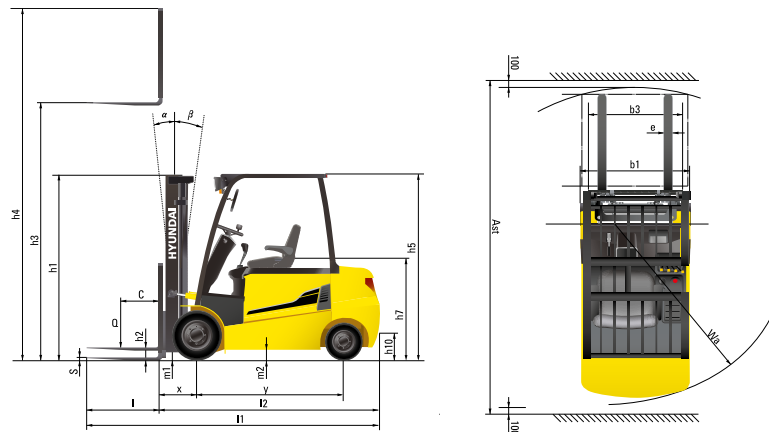


SPECIFICATIONS

Main characteristics						
1.1	Manufacturer (abbreviation)		Hyundai	Hyundai	Hyundai	Hyundai
1.2	Manufacturer's type designation		25B-9U	30B-9U	32B-9U	35B-9U
1.3	Drive : Electric (battery or mains), Diesel, Petrol, Fuel Gas		electric	electric	electric	electric
1.4	Type of operation: Hand, Pedestrian, Standing, Seated, Order-Picker		seated	seated	seated	seated
1.5	Load Capacity / Rated Load	kg	2,500	3,000	3,200	3,500
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	1,600	1,600	1,600

Weights						
2.1	Service weight	kg	4,360	4,633	4,820	5,020
2.2	Axle loading, loaded front/rear	kg	6,016/844	6,812/820	7,095/925	7,537/983
2.3	Axle loading, unloaded front/rear	kg	1,805/2,555	2,016/2,617	1,980/2,840	1,915/3,105

Tyres & chassis					
3.1	Tyres : Solid Rubber, Superelastic, Pneumatic, Polyurethane		SE, P	SE, P	SE, P
3.2	Tyre size, front		23X9-10	23x9-10	23X10-12
3.3	Tyre size, rear		18X7-8	18x7-8	18X7-8
3.5	Wheels, number front/rear (X = Driven Wheels)		2x/2	2x/2	2x/2
3.6	Tread, front	mm	993	993	1005
3.7	Tread, rear	mm	980	980	980



Dimensions						
4.1	Tilt of mast/fork carriage forward/backward	degree	6/10	6/10	6/10	6 / 10
4.2	Height, mast lowered	h1 mm	2,162	2,162	2,232	2,243
4.3	Free lift	h2 mm	115	115	115	115
4.4	Lift height	h3 mm	3,300	3,300	3,300	3,300
4.5	Height,mast extended	h4 mm	4,485	4,485	4,485	4,485
4.7	Height of overhead guard (cabin)	h5 mm	2,230 (2,276)	2,230 (2,276)	2,230 (2,276)	2,230 (2,276)
4.8	Seat height / stand height rel. to sip	h7 mm	1,275	1,275	1,275	1,275
4.12	Coupling height	h10 mm	325	325	325	325
4.19	Overall length	l1 mm	3,345	3,535	3,553	3,640
4.20	Length to face of forks	l2 mm	2,295	2,485	2,503	2,590
4.21	Overall width	b1 mm	1,200	1,200	1,200	1,250
4.22	Fork dimensions	s x e x l mm	45x100x1,050	45x122x1,050	45x122x1,050	45x122x1,050
4.23	Fork carriage ISO 2328, class / type A, B		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, below mast, loaded	m1 mm	117	117	117	128
4.32	Ground clearance, center of wheelbase	m2 mm	130	130	130	130
4.33	Aisle width for pallets 1,000 X 1,200 crossways (L X W)	Ast mm	3,637	3,829	3,843	3,896
4.34	Aisle width of pallets 800 X 1,200 crossways (W X L)	Ast mm	3,803	4,009	4,023	4,076
4.35	Turning radius	Wa mm	1,940	2,150	2,165	2,205

Performance data						
5.1	Travel speed, loaded/unloaded	km/h	17/18	17/18	17/18	17/18
5.2	Lift speed, loaded/unloaded	mm/s	410/610	340/500	330/500	300/460
5.3	Lowering speed, loaded/unloaded	mm/s	500/450	500/450	500/450	500/450
5.6	Max. drawbar pull, loaded/unloaded	N	14,710/14,690	14,640/14,700	14,580/14,660	14,580/14,410
5.8	Max. gradeability, loaded/unloaded	% (°)	20 (12.4)	19 (10.8)	18 (10.2)	17 (9.6)
5.10	Service brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic

Electric motor						
6.1	Drive motor rating S2 60 Min	kW	7.0x2	7.0x2	7.0x2	7.0x2
6.2	Lift motor rating at S3 15%	kW	17	17	17	17
6.4	Battery voltage, nominal capacity K5	V/Ah	48 / 720	48 / 810-900	48 / 810-900	48 / 810-900
6.5	Battery weight (Min.)	kg	1,090	1,150	1,150	1,150
6.7	Battery compartment dimensions L/W/H	mm	1,035/802/540	1,035/1,000/540	1,035/1,000/540	1,035/1,000/540

Additional data					
8.1	Type of drive control	AC	AC	AC	AC

MAST SPECIFICATIONS

25B-9U													
Mast type		Maximum fork height	Maximum mast height, extended with backrest	Overall height (lowered)	Free lift height			Tilt angle		Load capacity (500 mm LC) w/o side shift	Load capacity (500 mm LC) hook-on side shift	Maximum lifting height with rated capacity STD attachment	Truck weight (unloaded)
		mm	mm	mm	W/ load backrest	W/o load backrest	W/o load backrest (3/4-SPOOL)	Fwd deg	Bwd deg	kg	kg	mm	kg
2-stage limited free lift	V300	3,005	4,185	2,012	115	115	115	6	10	2,500	2,500	3,005	4,339
	※V330	3,305	4,485	2,162	115	115	115	6	10	2,500	2,500	3,305	4,362
	V350	3,505	4,685	2,262	115	115	115	6	10	2,500	2,500	3,505	4,376
	V370	3,705	4,885	2,412	115	115	115	6	10	2,500	2,475	3,705	4,398
	V400	4,005	5,185	2,562	115	115	115	6	10	2,500	2,425	4,005	4,419
	V450	4,505	5,685	2,862	115	115	115	6	6	2,400	2,325	3,650	4,498
	V500	5,005	6,185	3,112	115	115	115	6	6	2,350	2,275	3,500	4,535
2-stage full free lift	VF295	2,976	4,156	2,012	832	1,379	1,379	6	6	2,500	2,500	2,976	4,386
	VF/VS325	3,276	4,456	2,162	982	1,529	1,529	6	6	2,500	2,500	3,276	4,419
3-stage full free lift	TF400	4,005	5,185	1,912	732	1,279	1,279	6	6	2,500	2,425	4,005	4,538
	TF430	4,305	5,485	2,012	832	1,379	1,379	6	6	2,450	2,375	3,700	4,560
	TF450	4,505	5,685	2,112	932	1,479	1,479	6	6	2,400	2,325	3,550	4,582
	TF470	4,705	5,885	2162	982	1,529	1,529	6	6	2,350	2,275	3,450	4,594
	TF500	5,005	6,185	2,262	1,082	1,629	1,629	6	6	1,880	1,850	3,400	4,618
	TF550	5,505	6,685	2,462	1,282	1,829	1,829	6	6	1,550	1,430	3,300	4,659
	TF600	6,005	7,185	2,662	1,482	2,029	2,029	6	6	1,400	1,280	3,200	4,698
	TF650	6,505	7,685	2,862	1,682	2,061	1,921	3	3	1,350	1,230	3,050	4,737
	TF700	7,005	8,185	3,062	1,882	2,261	2,121	3	3	1,150	930	2,950	4,773
	TS400	4,005	5,185	1,912	732	1,279	1,279	6	6	2,500	2,425	4,005	4,538
	TS430	4,305	5,485	2,012	832	1,379	1,379	6	6	2,450	2,375	3,700	4,560
	TS450	4,505	5,685	2,112	932	1,479	1,479	6	6	2,400	2,325	3,550	4,582
	TS470	4,705	5,885	2,162	982	1,529	1,529	6	6	2,350	2,275	3,450	4,594
	TS500	5,005	6,185	2,262	1,082	1,629	1,629	6	6	1,880	1,850	3,400	4,618
	TS550	5,505	6,685	2,462	1,282	1,829	1,829	6	6	1,550	1,430	3,300	4,659
	TS700	7,005	8,185	3,062	1,882	2,254	2,114	3	3	1,150	930	2,950	4,773
4-stage full free lift	QF610	6,115	7,295	2,147	967	1,413	1,462	3	3	1,650	1,480	2,900	4,912
	QF700	7,015	8,195	2,447	1,267	1,713	1,762	3	3	1,300	980	2,600	5,002
	QF790	7,915	9,095	2,747	1,567	2,114	1,762	3	3	750	480	2,300	5,148

※ TF-Mast : Wide visible 3-stage full free lift mast with 1 free lift cylinder

※ TS-Mast : Wide visible 3-stage full free lift mast with 2 free lift cylinders

※ : Standard

MAST SPECIFICATIONS

30B-9U													
Mast type		Maximum fork height	Maximum mast height, extended with backrest	Overall height (lowered)	Free lift height			Tilt angle		Load capacity (500 mm LC) w/o side shift	Load capacity (500 mm LC) hook-on side shift	Maximum lifting height with rated capacity STD attachment	Truck weight (unloaded)
		mm	mm	mm	W/ load backrest	W/o load backrest	W/o load backrest (3/4-SPOOL)	Fwd deg	Bwd deg	kg	kg	mm	kg
2-stage limited free lift	V300	3,005	4,185	2,012	115	115	115	6	10	3,000	3,000	3,005	4,614
	※V330	3,305	4,485	2,162	115	115	115	6	10	3,000	3,000	3,305	4,633
	V350	3,505	4,685	2,262	115	115	115	6	10	3,000	3,000	3,505	4,650
	V370	3,705	4,885	2,412	115	115	115	6	10	3,000	3,000	3,705	4,672
	V400	4,005	5,185	2,562	115	115	115	6	10	3,000	3,000	4,005	4,694
	V450	4,505	5,685	2,862	115	115	115	6	6	3,000	2,950	4,505	4,772
	V500	5,005	6,185	3,112	115	115	115	6	6	2,900	2,775	4,650	4,809
2-stage full free lift	VF295	2,976	4,156	2,012	832	1,379	1,379	6	6	3,000	3,000	2,976	4,634
	VF/ VS325	3,276	4,456	2,162	982	1,529	1,529	6	6	3,000	2,950	3,276	4,667
3-stage full free lift	VF/ TS300	4,005	5,185	1,912	732	1,217	1,181	6	6	3,000	3,000	4,005	4,801
	TF430	4,305	5,485	2,012	832	1,317	1,281	6	6	3,000	2,950	4,305	4,821
	TF450	4,505	5,685	2,112	932	1,417	1,417	6	6	3,000	2,875	4,505	4,848
	TF470	4,705	5,885	2,162	982	1,467	1,431	6	6	2,950	2,825	4,500	4,863
	TF500	5,005	6,185	2,262	1,082	1,567	1,531	6	6	2,250	2,180	4,400	4,889
	TF550	5,505	6,685	2,462	1,282	1,767	1,767	6	6	1,750	1,570	4,300	4,931
	TF600	6,005	7,185	2,662	1,482	1,967	1,967	6	6	1,450	1,270	4,200	4,971
	TF650	6,505	7,685	2,862	1,682	2,061	1,921	3	3	1,400	1,220	4,100	5,012
	TF700	7,005	8,185	3,062	1,882	2,261	2,121	3	3	1,200	1,020	4,000	5,052
	TS400	4,005	5,185	1,912	732	1,217	1,153	6	6	3,000	3,000	4,005	4,801
	TS430	4,305	5,485	2,012	832	1,317	1,253	6	6	3,000	2,950	4,305	4,821
	TS450	4,505	5,685	2,112	932	1,417	1,403	6	6	3,000	2,875	4,505	4,848
	TS470	4,705	5,885	2,162	982	1,467	1,403	6	6	2,950	2,825	4,500	4,863
	TS500	5,005	6,185	2,262	1,082	1,567	1,503	6	6	2,250	2,180	4,400	4,889
	TS550	5,505	6,685	2,462	1,282	1,767	1,753	6	6	1,750	1,570	4300	4,931
	TS600	6,005	7,185	2,662	1,482	1,967	1,953	6	6	1,450	1,270	4,200	4,971
	TS700	7,005	8,185	3,062	1,882	2,233	2,093	3	3	1,200	1,020	4,000	5,052
4-stage full free lift	QF610	6,115	7,295	2,147	967	1,514	1,514	3	3	1,700	1,520	3,550	5,153
	QF700	7,015	8,195	2,447	1,267	1,814	1,814	3	3	1,200	1,020	3,300	5,243
	QF790	7,915	9,095	2,747	1,567	1,987	1,834	3	3	700	520	3,000	5,390

※ TF-Mast : Wide visible 3-stage full free lift mast with 1 free lift cylinder

※ TS-Mast : Wide visible 3-stage full free lift mast with 2 free lift cylinders

※ : Standard

MAST SPECIFICATIONS

32B-9U													
Mast type		Maximum fork height	Maximum mast height, extended with backrest	Overall height (lowered)	Free lift height			Tilt angle		Load capacity (500 mm LC) w/o side shift	Load capacity (500 mm LC) hook-on side shift	Maximum lifting height with rated capacity STD attachment	Truck weight (unloaded)
					W/ load backrest	W/o load backrest	W/o load backrest (3/4-SPOOL)	Fwd	Bwd				
		mm	mm	mm	mm	mm	mm	deg	deg	kg	kg	mm	kg
2-stage limited free lift	V300	3,005	4,185	2,082	115	115	115	6	10	3,200	3,200	3,005	4,799
	※V330	3,305	4,485	2,232	115	115	115	6	10	3,200	3,200	3,305	4,820
	V350	3,505	4,685	2,332	115	115	115	6	10	3,200	3,075	3,505	4,828
	V370	3,705	4,885	2,482	115	115	115	6	10	3,190	3,065	3,660	4,846
	V400	4,005	5,185	2,632	115	115	115	6	10	3,120	2,995	3,650	4,863
	V450	4,505	5,685	2,932	115	115	115	6	6	3,000	2,875	3,450	4,933
	V500	5,005	6,185	3,182	115	115	115	6	6	2,900	2,775	3,300	4,962
2-stage full free lift	VF295	2,976	4,156	2,082	913	1,377	1,377	6	6	3,200	3,200	2,976	4,846
	VF/ VS325	3,276	4,456	2,232	1,063	1,527	1,527	6	6	3,200	3,200	3,276	4,869
3-stage full free lift	TF400	4,005	5,185	1,982	802	1,212	1,212	6	6	3,120	2,995	3,650	5,021
	TF430	4,305	5,485	2,082	902	1,312	1,312	6	6	3,060	2,935	3,620	5,030
	TF450	4,505	5,685	2,182	1,002	1,412	1,412	6	6	3,010	2,885	3,600	5,072
	TF470	4,705	5,885	2,232	1,052	1,462	1,462	6	6	2,980	2,855	3,570	5,087
	TF500	5,005	6,185	2,332	1,152	1,562	1,562	6	6	2,500	2,390	3,550	5,111
	TF550	5,505	6,685	2,532	1,352	1,762	1,762	6	6	2,200	2,020	3,500	5,156
	TF600	6,005	7,185	2,732	1,552	1,962	1,962	6	6	1,500	1,320	3,450	5,200
	TF650	6,505	7,685	2,932	1,752	2,162	2,061	3	3	1,450	1,280	3,400	5,244
	TF700	7,005	8,185	3,132	1,952	2,362	2,261	3	3	1,250	1,080	3,300	5,289
	TS400	4,005	5,185	1,982	802	1,212	1,212	6	6	3,120	2,995	3,650	5,021
	TS430	4,305	5,485	2,082	902	1,312	1,312	6	6	3,060	2,935	3,620	5,030
	TS450	4,505	5,685	2,182	1,002	1,412	1,412	6	6	3,010	2,885	3,600	5,072
	TS470	4,705	5,885	2,232	1,052	1,462	1,462	6	6	2,980	2,855	3,570	5,087
	TS500	5,005	6,185	2,332	1,152	1,562	1,562	6	6	2,500	2,390	3,550	5,111
	TS550	5,505	6,685	2,532	1,352	1,762	1762	6	6	2,200	2,020	3,500	5,156
	TS600	6,005	7,185	2,732	1,552	1,962	1,962	6	6	1,500	1,320	3,450	5,200
	TS650	6,505	7,685	2,932	1,752	2,162	2,033	3	3	1,450	1,280	3,400	5,244
	TS700	7,005	8,185	3,132	1,952	2,362	2,233	3	3	1,250	1,080	3,300	5,289
4-stage full free lift	QF610	6,115	7,295	2,136	967	1,514	1,514	3	3	1,800	1,620	3,200	5,368
	QF700	7,015	8,195	2,436	1,267	1,814	1,814	3	3	1,300	1,120	3,000	5,458
	QF790	7,915	9,095	2,736	1,567	2,070	1,917	3	3	800	375	2,800	5,604

※ TF-Mast : Wide visible 3-stage full free lift mast with 1 free lift cylinder
※ TS-Mast : Wide visible 3-stage full free lift mast with 2 free lift cylinders

※ : Standard

MAST SPECIFICATIONS

35B-9U													
Mast type		Maximum fork height	Maximum mast height, extended with backrest	Overall height (lowered)	Free lift height			Tilt angle		Load capacity (500 mm LC) w/o side shift	Load capacity (500 mm LC) hook-on side shift	Maximum lifting height with rated capacity STD attachment	Truck weight (unloaded)
					W/ load backrest	W/o load backrest	W/o load backrest (3/4-SPOOL)	Fwd	Bwd				
		mm	mm	mm	mm	mm	mm	deg	deg	kg	kg	mm	kg
2-stage limited free lift	V300	3,005	4,185	2,093	115	115	115	6	10	3,500	3,500	3,005	4,999
	※V330	3,305	4,485	2,243	115	115	115	6	10	3,500	3,500	3,305	5,020
	V350	3,505	4,685	2,343	115	115	115	6	10	3,500	3,500	3,505	5,028
	V370	3,705	4,885	2,493	115	115	115	6	10	3,500	3,500	3,705	5,046
	V400	4,005	5,185	2,643	115	115	115	6	10	3,500	3,430	4,005	5,063
	V450	4,505	5,685	2,943	115	115	115	6	6	3,450	3,300	4,200	5,133
	V500	5,005	6,185	3,193	115	115	115	6	6	3,300	3,150	4,000	5,162
2-stage full free lift	VF295	2,976	4,165	2,093	913	1,377	1,377	6	6	3,500	3,500	2,976	5,046
	VF/ VS325	3,276	4,456	2,243	1,063	1,527	1,527	6	6	3,500	3,430	3,276	5,069
3-stage full free lift	TF400	4,005	5,185	1,993	813	1,277	1,277	6	6	3,500	3,350	4,005	5,221
	TF430	4,305	5,485	2,093	913	1,377	1,377	6	6	3,450	3,300	3,950	5,230
	TF450	4,505	5,685	2,193	1,013	1,477	1,477	6	6	3,400	3,250	3,850	5,272
	TF470	4,705	5,885	2,243	1,063	1,527	1,527	6	6	3,350	3,200	3,750	5,287
	TF500	5,005	6,185	2,343	1,163	1,627	1,627	6	6	2,650	2,500	3,700	5,311
	TF550	5,505	6,685	2,543	1,363	1,827	1,827	6	6	2,380	2,250	3,650	5,356
	TF600	6,005	7,185	2,743	1,563	2,027	2,027	6	6	1,700	1,550	3,600	5,400
	TF650	6,505	7,685	2,943	1,763	2,201	2,061	3	3	1,590	1,450	3,350	5,444
	TF700	7,005	8,185	3,143	1,963	2,401	2,261	3	3	1,350	1,250	3,200	5,489
	TS370	3,705	4,885	1,893	713	1,177	1,177	6	6	3,500	3,430	3,705	5,199
	TS400	4,005	5,185	1,993	813	1,277	1,277	6	6	3,500	3,350	4,005	5,221
	TS430	4,305	5,485	2,093	913	1,377	1,377	6	6	3,450	3,300	3,950	5,230
	TS450	4,505	5,685	2,193	1,013	1,477	1,477	6	6	3,400	3,250	3,850	5,272
	TS470	4,705	5,885	2,243	1,063	1,527	1,527	6	6	3,350	3,200	3,750	5,287
	TS500	5,005	6,185	2,343	1,163	1,627	1,627	6	6	2,650	2,500	3,700	5,311
	TS550	5,505	6,685	2,543	1,363	1,827	1,827	6	6	2,380	2,250	3,650	5,356
	TS600	6,005	7,185	2,743	1,563	2,027	2,027	6	6	1,700	1,550	3,600	5,400
	TS700	7,005	8,185	3,143	1,963	2,373	2,233	3	3	1,350	1,250	3,200	5,489
4-stage full free lift	QF610	6,115	7,295	2,147	967	1,514	1,514	3	3	1,920	1,800	3,100	5,568
	QF700	7,015	8,195	2,447	1,267	1,814	1,814	3	3	1,410	1,300	2,900	5,658
	QF790	7,915	9,095	2,747	1,567	2,070	1,917	3	3	800	700	2,700	5,804

※ TF-Mast : Wide visible 3-stage full free lift mast with 1 free lift cylinder
※ TS-Mast : Wide visible 3-stage full free lift mast with 2 free lift cylinders

※ : Standard