

Electric forklift

40/45/50B-9

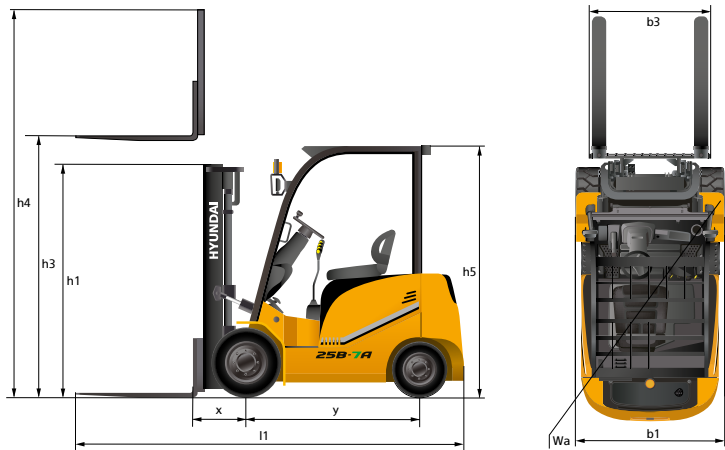


SPECIFICATIONS

Identification				
1.1	Manufacturer		HYUNDAI	
1.2	Model		40B-9	45B-9 50B-9
1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Electric	Electric Electric
1.4	Type of operation: hand, pedestrian, standing, seated, order-picker		Seat type	Seat type Seat type
1.5	Load capacity / rated load	Q kg	4,000	4,500 4,990
1.6	Load Center Distance	c mm	500	500 500
1.8	Load distance, center of drive axle to fork	x mm	535	535 540
1.9	Wheel base distance	y mm	2,025	2,025 2,025

Weights				
2.1	Service weight (Includes the battery)	kg	6,855	7,345 7,805
2.2	Axle loading, loaded front/rear	kg	9,548 / 1,307	10,456 / 1,389 11,332 / 1,463
2.3	Axle loading, unloaded front/rear	kg	3,504 / 3,351	3,656 / 3,689 3,779 / 4,026

Tyres & chassis				
3.1	Tyre type: solid (V), superelastic (SE), pneumatic (P), polyurethane (PE)		SE, P	SE, P SE, P
3.2	Front tyre size (ø x width)		250-15	250-15 28×12.5-15
3.3	Rear tyre size (ø x width)		23×9-10	23×9-10 23×9-10
3.5	Wheels, number front rear(x = driven wheels)		2×/2	2×/2 2×/2
3.6	Tread, front	mm	1,114	1,114 1,114
3.7	Tread, front	mm	1,098	1,098 1,098



Dimensions				
4.1	Mast/fork carriage tilt forward/backward	degree	6/10	6/10 6/10
4.2	Lowered mast height	h1 mm	2,225	2,225 2,225
4.3	Free lift height	h2 mm	120	120 120
4.4	Lift height	h3 mm	3,020	3,020 2,920
4.5	Extended mast height	h4 mm	4,224	4,224 4,135
4.7	Overhead guard (cabin) height	h5 mm	2,320	2,320 2,320
4.8	Seat height/standing height	h7 mm	1,285	1,285 1,285
4.12	Coupling height	h10 mm	460	460 460
4.19	Overall length	l1 mm	4,215	4,215 4,260
4.20	Length to face of forks	l2 mm	2,995	2,995 3,040
4.21	Overall width	b1 mm	1,376	1,376 1,424
4.22	Fork dimension (length x width x thickness)	mm	50×122×1,070	50×150×1,070 50×150×1,070
4.23	Fork carriage ISO 2328		III /A	III /A III /A
4.24	Fork carriage width	b3 mm	1,376	1,376 1,376
4.31	Ground clearance, below mast	m1 mm	160	160 165
4.32	Ground clearance, center of vehicle	m2 mm	150	150 155
4.34.1	Cross-passage width (pallet 1000×1200)	ast mm	4,405	4,405 4,445
4.34.2	Aisle width of pallets 800×1200 crossways (w×l)	Ast mm	4,605	4,605 4,645
4.35	Minimum turning radius	Wa mm	2,670	2,670 2,705

Performance data				
5.1	Travel speed, loaded / unloaded (80V)	km/h	18 / 18	18 / 18 18 / 18
5.2	Fork lift speed, loaded/unloaded (80V)	mm/s	360 / 520	330 / 500 320 / 450
5.3	Fork descending speed, loaded / unloaded	mm/s	500 / 450	500 / 450 500 / 420
5.6	Max. drawbar pull, loaded / unloaded	N	28,185 / 29,075	28,662 / 29,003 28,558 / 28,469
5.8	Gradeability, loaded	% (°)	23 (13.0)	21 (11.9) 19 (10.8)
5.10	Service brake		Hydraulic	Hydraulic Hydraulic

Electric motor				
6.1	Drive Motor, 60 Min Rating (80V)	kW	10.0×2	10.0×2 10.0×2
6.2	Hydraulic Motor, 15% Rating (80V)	kW	28	28 28
6.4	Battery voltage (80V)	Ah	700	700 700
6.5	Battery weight	kg	2,200	2,095 2,095
6.7	Battery compartment dimensions L/W/H	mm	1,030 / 1,004 / 794	1,030 / 1,004 / 794 1,030 / 1,004 / 794

Additional data				
8.1	Type of drive control		AC	AC AC

STANDARD AND OPTIONAL EQUIPMENT

Equipment	STD	OPT
Fork 40B-9 (mm)		
1,070		•
1,220	•	
1,370		•
1,520		•
1,670		•
1,820		•
1,970		•
2,120		•
2,400		•
Fork 45B-9 (mm)		
1,070		•
1,220	•	
1,370		•
1,520		•
1,670		•
1,820		•
1,970		•
2,200		•
2,400		•
Fork 50B-9 (mm)		
1,070		•
1,220	•	
1,370		•
1,670		•

Equipment	STD	OPT
1,820		•
1,970		•
2,200		•
2,400		•
Side Shift		•
Tyre		
Solid	•	
Non-marking		•
Pneumatic		•
Double tyre		•
Finger tip control		•
Cold Storage (for -30° cold working environments)		•
M.C.V.		
3-spool	•	
4-spool		•
Auto Fork Leveling		•
Load Indicator		•
Direction Switch on Lever	•	
Side mirror		•
Cabin		
Front + roof		•
Front + roof + rear		•
Full Cabin + Heater (OPT) + Radio USB (OPT)		•

MAST SPECIFICATIONS

40B-9													
Mast Type		Maximum fork lift height	Overall height (Fork lowered)	Free lift height		Tilt angle		Load capacity (500 mm LC) without side shift		Load capacity (500 mm LC) with hook-on side shift		Truck weight	
				with backrest	without backrest	Fwd	Bwd	Single tyre	Dual tyre	Single tyre	Dual tyre	Single tyre	Dual tyre
		mm	mm	mm	mm	deg	deg	kg	kg	kg	kg	kg	kg
2-STAGE FULL FREE LIFT	V300*	3,020	2,225	120	120	6	10	4,000	4,000	4,000	4,000	6,855	7,126
	V330	3,320	2,375	120	120	6	10	4,000	4,000	4,000	4,000	6,884	7,152
	V350	3,520	2,525	120	120	6	10	4,000	4,000	4,000	4,000	6,908	7,193
	V370	3,720	2,625	120	120	6	10	4,000	4,000	3,950	4,000	6,925	7,228
	V400	4,020	,2835	120	120	6	10	4,000	4,000	3,900	3,900	6,960	7,153
	V450	4,520	3,085	120	120	6	6	4,000	4,000	3,650	3,750	7,002	7,270
	V500	5,020	3,335	120	120	6	6	4,000	4,000	3,550	3,700	7,045	7,312
3-STAGE FULL FREE LIFT	TF370	3,730	2,025	1,139	812	6	6	4,000	4,000	3,750	3,800	7,134	7,390
	TF400	4,030	2,125	1,239	912	6	6	4,000	4,000	3700	3,800	7,160	7,416
	TF430	4,330	2,225	1,339	1012	6	6	4,000	4,000	3,650	3,750	7,185	7,441
	TF450	4,510	2,285	1,399	1072	6	6	4,000	4,000	3,600	3,650	7,201	7,457
	TF470	4,720	2,375	1,489	1162	6	6	3,950	4,000	3,550	3,600	7,224	7,480
	TF500	5,020	2,475	1,589	1262	6	6	3,900	3,900	3,500	3,550	7,250	7,506
	TF550	5,520	2,655	1,769	1442	6	6	3,750	3,800	3,400	3,450	7,301	7,557
	TF600	6,030	2,835	1,949	1622	6	6	3,650	3,650	3,300	3,300	7,341	7,596

50B-9													
Mast Type		Maximum fork lift height	Overall height (Fork lowered)	Free lift height		Tilt angle		Load capacity (500 mm LC) without side shift		Load capacity (500 mm LC) with hook-on side shift		Truck weight	
				with backrest	without backrest	Fwd	Bwd	Single tyre	Dual tyre	Single tyre	Dual tyre	Single tyre	Dual tyre
		mm	mm	mm	mm	deg	deg	kg	kg	kg	kg	kg	kg
2-STAGE FULL FREE LIFT	V290*	2,920	2,230	120	120	6	10	4,990	4,990	4,990	4,990	7,805	7,950
	V320	3,220	2,380	120	120	6	10	4,990	4,990	4,990	4,990	7,831	7,975
	V340	3,420	2,530	120	120	6	10	4,990	4,990	4,990	4,990	7,856	8,000
	V360	3,620	2,630	120	120	6	10	4,990	4,990	4,990	4,990	7,873	8,016
	V390	3,920	2,840	120	120	6	10	4,990	4,990	4,990	4,990	7,908	8,052
	V440	4,420	3,090	120	120	6	6	4,990	4,990	4,900	4,900	7,950	8,094
	V490	4,920	3,340	120	120	6	6	4,990	4,990	4,800	4,850	7,993	8,137
3-STAGE FULL FREE LIFT	TF360	3,662	2,030	1,074	807	6	6	4,990	4,990	4,900	4,900	7,942	8,138
	TF390	3,962	2,130	1,174	907	6	6	4,990	4,990	4,900	4,900	7,968	8,164
	TF420	4,262	2,230	1,274	1,007	6	6	4,990	4,990	4,800	4,800	7,994	8,190
	TF440	4442	2,290	1,334	1,067	6	6	4,990	4,990	4,750	4,750	8,010	8,205
	TF460	4,652	2,380	1,424	1,157	6	6	4,900	4,950	4,700	4,700	8,033	8,229
	TF490	4,952	2,480	1,524	1,257	6	6	4,800	4,850	4,600	4,600	8,059	8,255
	TF540	5,452	2,660	1,704	1,437	6	6	4,700	4,700	4,400	4,400	8,110	8,306
	TF590	5,962	2,840	1,884	1,617	6	6	4,550	4,550	4,250	4,250	8,150	8,346

* : Standard
TS-Mast : Wide visible 3-stage full free lift mast with 1 free lift cylinder
Load Capacities based on 1070 mm forks, Solid tyres (Single/Double)

45B-9													
Mast Type		Maximum fork lift height	Overall height (Fork lowered)	Free lift height		Tilt angle		Load capacity (500 mm LC) without side shift		Load capacity (500 mm LC) with hook-on side shift		Truck weight	
				with backrest	without backrest	Fwd	Bwd	Single tyre	Dual tyre	Single tyre	Dual tyre	Single tyre	Dual tyre
		mm	mm	mm	mm	deg	deg	kg	kg	kg	kg	kg	kg
2-STAGE FULL FREE LIFT	V300*	3,020	2,225	120	120	6	10	4,500	4,500	4,500	4,500	7,345	7,560
	V330	3,320	2,375	120	120	6	10	4,500	4,500	4,500	4,500	7,370	7,586
	V350	3,520	2,525	120	120	6	10	4,500	4,500	4,450	4,500	7,395	7,610
	V370	3,720	2,625	120	120	6	10	4,500	4,500	4,400	4,450	7,411	7,627
	V400	4,020	2,835	120	120	6	10	4,500	4,500	4,300	4,350	7,447	7,662
	V450	4,520	3,085	120	120	6	6	4,500	4,500	4,150	4,200	7,489	7,704
	V500	5,020	3,335	120	120	6	6	4,500	4,500	4,100	4,150	7,531	7,748
3-STAGE FULL FREE LIFT	TF370	3,730	2,025	1,139	812	6	6	4,500	4,500	4,200	4,250	7,538	7,794
	TF400	4,030	2,125	1,239	912	6	6	4,500	4,500	4,150	4,200	7,564	7,820
	TF430	4,330	2,225	1,339	1,012	6	6	4,500	4,500	4,100	4,150	7,590	7,846
	TF450	4,510	2,285	1,399	1,072	6	6	4,450	4,450	4,050	4,050	7,605	7,861
	TF470	4,720	2,375	1,489	1,162	6	6	4,400	4,400	4,000	4,000	7,629	7,885
	TF500	5,020	2,475	1,589	1,262	6	6	4,300	4,350	3,900	3,900	7,655	7,911
	TF550	5,520	2,655	1,769	1,442	6	6	4,200	4,200	3,800	3,850	7,707	7,963
	TF600	6,030	2,835	1,949	1,622	6	6	4,050	4,050	3,650	3,700	7,746	8,002

* : Standard
TS-Mast : Wide visible 3-stage full free lift mast with 1 free lift cylinder
Load Capacities based on 1070 mm forks, Solid tyres (Single/Double)