



REDEFINED POWER. PRECISE CONTROL. MORE COMFORT.

The New Hyundai 40/45/50B-9 Electric Forklifts - Powered by Proven AC Technology

Engineered with cutting-edge AC technology, the new Hyundai 40/45/50B-9 electric forklifts deliver reliable performance and enhanced operator comfort. With a low noise hydraulic system, reduced energy consumption, smaller steering wheel, smoother acceleration and a tighter turning radius, they offer intuitive control, greater productivity and lower total cost of ownership.

► **NEW 5 inch LCD colour cluster**

High-performance 5 inch display with powerful CPU provides clear, real-time visibility of essential vehicle data and warning alerts – even in bright sunlight.

Key features

Efficiency & performance

- Reduced energy consumption (-4%)*
- Dual drive system
- Excellent gradeability and high travel speed
- Reduced turning radius (-50 mm)*
- High quality Li-ion battery* **OPTION**
- Fingertip control lever **OPTION**
- Automatic fork levelling system **OPTION**
- Integrated directional and horn controls on lift lever
- Adjustable performance modes: High, Normal, Economy

Optimised ergonomics

- Low noise hydraulic system (-14dBA)*
- Spacious and ergonomic operating area
- Newly designed 5 inch LCD colour cluster*
- Ergonomical pedal layout with adjustable accelerator response
- Adjustable tilting steering column
- Reduced steering wheel diameter*
- Real time steering wheel position displayed on the cluster screen

Advanced safety

- Optimised visibility
- Pedestrian detection system* **OPTION**
- Adjustable maximum travel speed limitation
- Curve control
- Anti roll back system
- Safety LED lighting. Blue Spot and Red Zone lights **OPTION**

*New on these B-9 Series models

STANDARD/OPTIONAL EQUIPMENT

DESCRIPTION			40B-9	45B-9	50B-9
MAST & ATTACHMENTS	MAST	V - duplex - no free lift - (3020 - 5020 mm)	□	□	-
		V - duplex - no free lift - (2920 - 4920 mm)	-	-	□
		TF - triplex - free lift - 1 central cylinder (3730 ~ 6030 mm)	□	□	-
		TF - triplex - free lift - 1 central cylinder (3962 - 5962 mm)	-	-	□
		Attachment piping for 3, 4 spool	□	□	□
	CARRIAGE WIDTH	Standard - 1300mm	●	●	●
		Wide - 1600mm	□	□	□
	CARRIAGE CLASS	Fork carriage FEM III	●	●	●
		Fork carriage FEM IV	-	□	□
	LOAD CENTRE	Load centre 500mm	●	●	●
	ATTACHMENT	Hook-on side shift	□	□	□
		Hook-on side shift + fork positioner (simultaneous)	□	□	□
		Hook-on fork positioner (simultaneous)	□	□	□
		Hook-on fork positioner (independent)	□	□	□
FORKS	Standard: 1070 mm	●	●	●	
	Other forks length: 1220 - 2400 mm	□	□	□	
HYDRAULICS	MCV	3 spool control valve	●	●	●
		4 spool control valve	□	□	□
	LEVER	Manual	●	●	●
		Fingertip	□	□	□
	OIL	Hydraulic oil VG46	●	●	●
		Hydraulic oil VG15 - VG68	□	□	□
INTERLOCK	Clamp interlock	□	□	□	
OPERATION	CABIN	Overhead guard 2320mm	●	●	●
		Low overhead guard 2230mm	□	□	□
		Single-panel door cabin	□	□	□
		Split door cabin	□	□	□
		Top, front, rear window + wipers	□	□	□
	CLIMATE	Heater	□	□	□
		SEAT	Grammer - vinyl	●	●
	Grammer - fabric		□	□	□
	Armrest L, R		□	□	□
Heated	□		□	□	
High backrest	□	□	□		



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DESCRIPTION			40B-9	45B-9	50B-9
VISIBILITY	MIRROR	Panoramic mirror	●	●	●
		LH + RH mirror	□	□	□
	LIGHTS	Front worklight (LED)	●	●	●
		Tail lights	●	●	●
		Orange beacon light	□	□	□
		Rear worklight (LED)	□	□	□
		Licence plate lamp	□	□	□
		Blue spot	□	□	□
Red zone	□	□	□		
SAFETY		Back-up alarm buzzer	●	●	●
		High mast travel speed reduction	□	□	□
		Pedestrian detection system (rear & front)	□	□	□
CONVENIENCE		Battery master switch	●	●	●
		12V charger plug	●	●	●
		Auto tilt	□	□	□
		Hi MATE basic	□	□	□
		Hi MATE premium (add-on)	□	□	□
		Forward / reverse switch on lift lever	□	□	□
		Load indicator	□	□	□
BATTERY		Radio + USB	□	□	□
		Li-ion 80 V / 690Ah	□	□	□
CHARGER		Lead-acid 80V / 840 – 930Ah	□	□	□
		Li-ion 24kW / 80V - 3ph / 400V / 59A	□	□	●
		Lead-acid HF 10.4kW / 80V - 3ph / 400V / 20A	□	□	□
		Lead-acid HF 6.4kW / 80V - 3ph / 400V / 12A	□	□	□
TYRES		Single front tyres	●	●	●
		Double front tyres	□	□	□
		Pneumatic	●	●	●
		Solid	□	□	□
		Solid non-marking	□	□	□
OTHERS	FRAME	Mudguard mounting holes	●	●	●
		Side battery removal	□	□	□
		Under cover	□	□	□

● Standard □ Optional - Not available

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40/45/50B-9

B-9 SERIES BATTERY FORKLIFT TRUCKS



Load Capacity 4000 – 5000 kg	Drive Motor Rating 80 V • 2x10 kW	Lift Height 2920 – 6030 mm
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SPECIFICATIONS

IDENTIFICATION													
	Front wheel type (single / double)			Single	Double	Single	Double	Single	Double				
1.1	Manufacturer (abbreviation)			Hyundai									
1.2	Manufacturer's type designation			40B-9 facelift 2026		45B-9 facelift 2026		50B-9 facelift 2026					
1.3	Drive: electric (battery or mains), diesel, petrol, LPG			Electric									
1.4	Operator type: hand, pedestrian, standing, seated, order-picker			Seated									
1.5	Rated capacity / rated load	(Q)	kg	4000		4500		4990					
1.6	Load centre distance	(c)	mm	500									
1.8	Load distance, centre of drive axle to fork	(x)	mm	535				540					
1.10	Wheelbase	(y)	mm	2025									
WEIGHTS													
2.1	Service weight		kg	6855	7126	7345	7560	7805	7950				
2.2	Axle loading, loaded front / rear		kg	9548 / 1307	9891 / 1235	10456 / 1389	10644 / 1416	11332 / 1463	11466 / 1474				
2.3	Axle loading, unloaded front / rear		kg	3504 / 3351	3847 / 3279	3656 / 3689	3844 / 3716	3779 / 4026	3913 / 4037				
TYRES / CHASSIS													
3.1	Tyres: superelastic, pneumatic, polyurethane			SE, P									
3.2	Tyre size, front			250 - 15	7.00 - 15	250 - 15	7.00 - 15	28 x 12.5 - 15	7.00 - 15				
3.3	Tyre size, rear			23 x 9 - 10									
3.5	Wheels, number front / rear (x = driven wheels)			2x / 2	4x / 2	2x / 2	4x / 2	2x / 2	4x / 2				
3.6	Tread, front	(b10)	mm	1141	1257	1141	1257	1114	1257				
3.7	Tread, rear	(b11)	mm	1098									
DIMENSIONS													
4.1	Tilt of mast / fork carriage forward / backward	(α / β)	degree	6 / 10									
4.2	Height, mast lowered	(h1)	mm	2232	2236	2231	2235	2214	2235				
4.3	Free lift	(h2)	mm	120									
4.4	Lift height	(h3)	mm	3020				2920					
4.5	Height, mast extended	(h4)	mm	4224				4135					
4.7	Height of overhead guard (cabin)	(h5)	mm	2325 (2371)	2335 (2381)	2325 (2371)	2335 (2381)	2325 (2371)	2335 (2381)				
4.8	Seat height relating to SIP / stand height	(h7)	mm	1290	1299	1290	1299	1272	1299				
4.12	Coupling height	(h10)	mm	460									
4.19	Overall length	(l1)	mm	4065				4260					
4.20	Length to face of forks	(l2)	mm	2995				3040					
4.21	Overall width	(b1)	mm	1376	1676	1376	1676	1413	1676				
4.22	Fork dimensions DIN ISO 2331	(l x e x s)	mm	1070 x 122 x 50		1070 x 150 x 50		1220 x 150 x 50					
4.23	Fork carriage ISO 2328, class / type A, B			3A									
4.24	Fork carriage width	(b12)	mm	1376	1676	1376	1676	1376	1676				
4.31	Ground clearance below mast loaded	(m1)	mm	166	170	166	169	149	169				
4.32	Ground clearance centre of wheelbase	(m2)	mm	150	167	150	167	155	167				
4.34.1	Aisle width for pallets 1000 x 1200 crossways (l x w)	(Ast)	mm	4355				4396					
4.34.2	Aisle width for pallets 800 x 1200 crossways (w x l)	(Ast)	mm	4555				4595					
4.35	Turning radius	(Wa)	mm	2620				2655					
PERFORMANCE DATA													
5.1	Travel speed loaded / unloaded		km/h	18 / 18									
5.2	Lift speed loaded / unloaded		mm/s	360 / 520		330 / 500		320 / 450					
5.3	Lowering speed loaded / unloaded		mm/s	500 / 450									
5.6	Max. drawbar pull loaded / unloaded		N	28185 / 29075		28662 / 29003		28558 / 28469					
5.8	Max. gradeability loaded / unloaded		%	23 / 25		21 / 23		19 / 22					
ELECTRIC MOTOR													
6.1	Drive motor rating S2 60 min		kW	10.0 x 2									
6.2	Lift motor rating at S3 15%		kW	28									
6.4	Battery voltage, nominal capacity KS		V/Ah	80 / 700									
6.5	Battery weight		kg	2200									
6.6	Energy consumption acc. to VDI cycle		kWh/h	11.5		12.7		13.5					
	Battery compartment dimensions l / w / h		mm	1030 / 1004 / 800									
DRIVE MECHANISM													
8.1	Type of drive control			AC									
8.11	Service brake			Wet Disc Brake									
ADDITIONAL DATA													
10.1	Operating pressure system / attachments		bar	210 / 150									
10.2	Oil volume for attachments		l/min	45									
10.7	Sound level at the driver's ear according to DIN 12053		dB(A)	71				70.5					
10.8	Towing coupling, type DIN 15170			Pin									

DIMENSIONS

