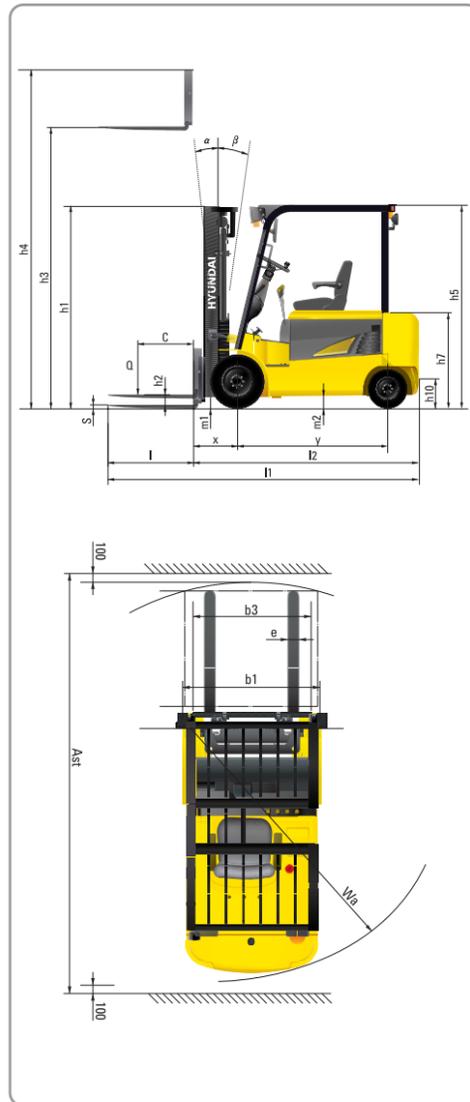


Dimension



Specification

Identification

1.1	Manufacturer		HYUNDAI		
1.2	Manufacturer's type designation	22BHA-7	25BHA-7	30BHA-7	
1.3	Drive : electric(battery or mains), diesel, petrol, fuel gas, manual	Electric	Electric	Electric	
1.4	Type of operation : hand, pedestrian, standing, seated, order - picker	Seated	Seated	Seated	
1.5	Load capacity / rated load	Q kg	2200	2500	3000
1.6	Load center distance	c mm	500	500	500
1.8	Load distance, center of drive axle to fork	x mm	470	470	473
1.9	Wheelbase	y mm	1575	1575	1719

Weights

2.1	Service weight	kg	4194	4434	4895
2.2	Axle loading, loaded front / rear	kg	5721 / 673	6172 / 762	7081 / 814
2.3	Axle loading, unloaded front / rear	kg	2166 / 2028	2133 / 2301	2383 / 2512

Wheels, Chassis

3.1	Tires : solid rubber(V), superelastic(SE), pneumatic(P), polyurethane(PE)	SE, P	SE, P	SE, P	
3.2	Tires size, front (φ, x width)	23 x 9 - 10	23 x 9 - 10	23 x 9 - 10	
3.3	Tires size, rear (φ, x width)	18 x 7 - 8	18 x 7 - 8	18 x 7 - 8	
3.5	Wheels, number front rear(x = driven wheels)	2 x / 2	2 x / 2	2 x / 2	
3.6	Track width, front	mm	993	993	993
3.7	Track width, rear	mm	980	980	980

Basic Dimensions

4.1	Mast / fork carriage tilt forward / backward	degrees	6 / 8	6 / 8	6 / 8
4.2	Lowered mast height	h1 mm	2152	2152	2152
4.3	Free lift	h2 mm	115	115	115
4.4	Lift height	h3 mm	3300	3300	3300
4.5	Extended mast height	h4 mm	4485	4485	4485
4.7	Overhead load guard (cab) height	h5 mm	2150	2150	2150
4.8	Seat height / Standing height	h7 mm	1086	1086	1086
4.12	Coupling height	h10 mm	400	400	400
4.19	Overall length	l1 mm	3407	3472	3619
4.20	Length to face of forks	l2 mm	2357	2422	2569
4.21	Overall width	b1 mm	1200	1200	1200
4.22	Fork dimensions	s / e / l mm	45 x 100 x 1050	45 x 100 x 1050	45 x 125 x 1050
4.23	Fork carriage ISO 2328, class / type A, B	II / A	II / A	II / A	III / A
4.24	Fork - carriage width	b3 mm	1022	1022	1037
4.31	Ground clearance, loaded, under mast	m1 mm	107	107	107
4.32	Ground clearance, centre of wheelbase	m2 mm	125	125	125
4.33	Aisle width for pallets 1,000 x 1,200 crossways	Ast mm	3650	3710	3840
4.34	Aisle width for pallets 800 x 1,200 length ways	Ast mm	3450	3510	3640
4.35	Turning radius	Wa mm	1970	2030	2170
4.36	Smallest pivot point distance	mm	-	-	-

Performance Data

5.1	Travel speed, loaded / unloaded (80V)	km/h	18 / 19	18 / 19	18 / 19
5.2	Lift speed, loaded / unloaded (80V)	mm/sec	420 / 500	410 / 500	340 / 500
5.3	Lowering speed, loaded / unloaded	mm/sec	500 / 450	500 / 450	510 / 460
5.5	Drawbar pull, loaded / unloaded S2 60 min	N	-	-	-
5.6	Max drawbar pull, loaded / unloaded S2 5 min	N	18159 / 17883	18157 / 17808	18157 / 17808
5.7	Gradient performance, loaded / unloaded S2 30 min	%	-	-	-
5.8	Max. gradient performance, loaded / unloaded S2 5 min	%	29 / 26	26 / 25	23 / 25
5.9	Acceleration time, loaded / unloaded		-	-	-
5.10	Service brake		Hyd.	Hyd.	Hyd.

E - Motor

6.1	Drive motor rating S2 60 min (80V)	kW	7.8 x 2	7.8 x 2	7.8 x 2
6.2	Pump motor rating at S3 - 15 % (S2 10min)(80V)	kW	20	20	20
6.4	Battery voltage, nominal capacity K5 (80V)	V/Ah	500	500	600
6.5	Battery weight (min.)	kg	1470	1470	1780
	Battery compartment dimensions L / W / H	mm	1032 / 714 / 790	1032 / 714 / 790	1032 / 858 / 790
6.6	Type of drive control		AC	AC	AC



■ Some of the photos may include optional equipment.

We build a better future

22/25/30BHA-7 AC

FORKLIFT TRUCKS Environmentally - Friendly

HYUNDAI FORKLIFT
HEAVY INDUSTRIES CO.,LTD.

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955 ESTES AVENUE, ELK GROVE VILLAGE IL, 60007 Tel (1) 847-437-3333 Fax (1) 847-437-3574

European Operation : Hyundai Heavy Industries Europe N.V.
VOSSENDAAL 11, 2440 GEEL, BELGIUM Tel (32) 14-562200 Fax (32) 14-593405-06

India Operation : Hyundai Construction Equipment India Private Limited
303, 3rd Floor, Siddhivinayak Aurum, 33/1/1/2 Vadgaon Sheri,
Vinam Nagar, Pune 411 014 India Tel 91-20-4003-8160 Fax 91-20-4003-8163

PLEASE CONTACT

www.hyundai-ce.com

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HYUNDAI
HEAVY INDUSTRIES CO.,LTD.



New Criterion of Forklift Trucks

Hyundai introduces a new line of 7-series battery forklift trucks. Excellent power and performance makes your business more profitable.

■ Some of the photos may include optional equipment.

The New AC Control B Series

Designed with a durable frame and built to offer excellent stability and a smooth ride, AC Control B Series trucks are real workhorses.



Some of the photos may include optional equipment.

High Technology ZAPI Controller Eliminate "almost noiseless"

The efficient, 8Khz(high frequency) ZAPI controller provides smooth operation and protection for low & high voltage, overheating and fault recording.

- Features**
- Regeneration : Direction change, Deceleration, Braking
 - The new AC motors offers a of 10% greater efficiency than traditional DC motors
 - Various performance models are available to maximize efficiency and equipped to work in all types of operations
 - Enhanced Efficiency
 - H (High) Mode, N (Normal) Mode, E (Economic) Mode
 - Turtle Mode : 10km/h



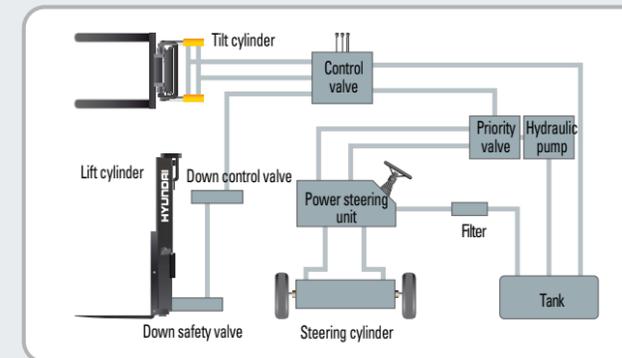
Superior Power & Optimal Performance

Efficient, smooth running and ergonomically designed AC control series are built to meet you needs.



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.



State-of-the-art hydraulic System

The latest large-capacity hydraulic system reacts quickly during operation, and a low noise control valve increases both efficiency and durability.

Anti-Rollback System, Faster Travel Speed & Gradeability

ZAPI's anti-rollback system provides safe ramp operation plus exceptional ramp start capabilities. The powerful high-output motors provide greater acceleration, better gradeability and faster travel speed on any tough terrain or slope.



Increased Mast tilting Angle

The mast tilting angle of 6 degrees forward and 10 degrees backward, the operator can rapidly perform loading and unloading jobs safely.



Wet Disc Brake System

The wet disc brake system is virtually maintenance free and is enclosed to protect from dust and water.



4-Wheel Center Pivot

The newly designed 4-wheel center pivot allows the forklift to navigate with an extremely small turning radius compared to other forklifts.



Fully Hydrostatic Power Steering

A hydraulic steering system ensures smooth & precise steering which prevents kick-back.



OPSS (Operator Presence Sensing System)

Control of mast tilting, lifting and lowering is not possible through operation of the appropriate control when the operator is not in the seat.

Travel Speed (MAX)

Model	km / h
22BHA-7	19
25BHA-7	19
30BHA-7	19

Gradeability (MAX)

Model	%
22BHA-7	29
25BHA-7	26
30BHA-7	25

Comfortable Operation

A design based on human engineering relieves fatigue and increases operator's efficiency.



Adjustable Steering Wheel

Steering wheel can be adjusted by a lever on the right-hand side for the most comfortable operator position.



Easy Control Direction Lever

Finger tip control of forward and reverse lever allows the operator to remain in control of equipment.



Multi-Functional Switch

Integrated multi-functional switch lever enables the driver to operate lights and horn conveniently.



Prompt Response of Operating Control Levers

Only minimal operator's effort is required for precise, safe and productive control.



High visibility for safe operation

The operator is able to work with increased safety and accuracy due to a wider view.



Perfect Compartment Fit For Any Operator

An ergonomically designed operator's compartment enables the driver to select the most comfortable working position for increased productivity.



Optimum Pedal Position & Non-slip Mat

Based on human engineering, the accelerator and brake pedals are optimally positioned for convenience while operating the equipment.

Easily Adjustable Suspension Seat

An attractive and adjustable seat, based on a human engineering design, provides greater comfort, safety and durability.

Options : Seat belt, Arm rest, Hip restraint



AC Control System Features

- _ Excellent Control Ability
 - Various performance modes to meet all working conditions
 - Slow rolling on ramp & ramp start
- _ Enhanced motor efficiency & Excellent regeneration

Some of the photos may include optional equipment.



Self - diagnostic LCD Monitor

The LCD monitor has a back-light system to provide a clear view of the system's operation in all environments. The monitor provides information about operation error, system fault, battery level, hour meter and selected performance mode. Other various functions include items such as self diagnostics and password activation. These features are can be accessed without the need of a laptop or handset.

functions include items such as self diagnostics and password activation. These features are can be accessed without the need of a laptop or handset.

Keyboard Buttons / Performance mode

Operator can select performance mode easily according to working condition.

Console Box & Cup Holder

Additional storage spaces are located inside the operating space for operator's convenience.



High Durability & Simple Arrangement

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



■ Some of the photos may include optional equipment.



Strong Overhead Guard

The safety overhead guard exceeds EEC and ANSI regulations and protects the operator during hazardous work.



Parking Brake

Ratchet type parking brake requires less effort from the operator to set.



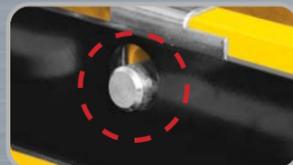
Hand Grip & Large Footboard

Wide "open" step and large hand grip offer convenience and safety when entering and exiting the truck.

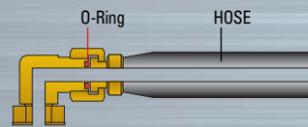


Rear Safety Lamp

Rear combination lamps with turn signal lamps, tail lamp and brake lights are positioned for high visibility to ensure safety.



Battery Locking System



ORFS (O-Ring Face Seal)

ORFS type hose prevents the leaking of hydraulic oil.

High quality AC motors

Enclosed motors prolong durability. No brush and no connector. (No arc and no spark)



Easy Maintenance & Serviceability

Battery change is easy with a swing-up compartment and a slotted overhead guard. Opening and closing of the battery cover is made easy with a gas-spring assisted cylinder.



Easy battery replacement

Battery change is easy with swing-up compartment and slotted overhead guard. Opening and closing of battery cover is made easy with a gas-spring assist cylinder.



A concentrated fuse box for easy inspection



Oil Tank Port



Steering Sensor



Easy to Check Brake Oil Level



Hydraulic motor



Battery Disconnect Lever / Switch



High Visibility Headlights & Rear Work Light



DC-DC Converter

DC-DC converter exceeds UL & CE requirements to prevent short circuit, overload and reverse polarity

Mast Specification (22/25BHA-7)

Mast Type	Overall Height (Lowered) (mm)	Maximum Fork Height (mm)	Free Lift (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)		
			With Backrest	Without Backrest								
			22/25BHA-7	22/25BHA-7		22BHA-7	25BHA-7	22BHA-7	25BHA-7	22BHA-7	25BHA-7	
2 / Stage limited free lift	V300	2002	3000	115	115	6 / 8	2200	2500	2200	2500	4175	4415
	* V330	2152	3300	115	115	6 / 8	2200	2500	2200	2500	4194	4434
	V350	2252	3500	115	115	6 / 8	2200	2500	2200	2500	4211	4451
	V370	2402	3700	115	115	6 / 8	2200	2500	2170	2450	4233	4473
	V400	2552	4000	115	115	6 / 8	2200	2500	2120	2420	4255	4495
	V430	2702	4300	115	115	6 / 6	2170	2460	2090	2380	4304	4544
	V450	2852	4500	115	115	6 / 6	2140	2420	2060	2340	4334	4574
	V470	2952	4700	115	115	6 / 6	2110	2380	2030	2300	4348	4588
V500	3102	5000	115	115	6 / 6	2060	2330	1980	2250	4370	4610	
3 / Stage full free lift	TF370	1802	3700	1179	622	6 / 6	2200	2500	2120	2420	4321	4561
	TF400	1902	4000	1279	722	6 / 6	2160	2440	2080	2360	4341	4581
	TF430	2002	4300	1379	822	6 / 6	2120	2380	2040	2300	4362	4602
	TF450	2102	4500	1479	922	6 / 6	2080	2350	2000	2270	4383	4623
	TF470	2152	4700	1529	972	6 / 6	2060	2310	1980	2230	4394	4634
	TF500	2252	5000	1629	1072	6 / 6	2010	2260	1930	2180	4419	4659
	TF550	2452	5500	1829	1272	6 / 6	1940	2180	1860	2100	4458	4698
	TF600	2652	6000	2029	1472	6 / 6	1870	2110	1790	2030	4495	4735
TF650	2852	6500	2229	1672	3 / 3	1040	1200	960	1120	4533	4773	

* Standard

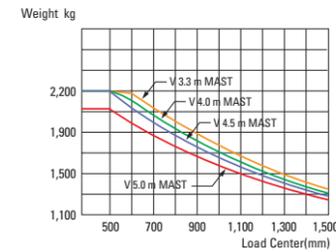
Mast Specification (30BHA-7)

Mast Type	Overall Height (Lowered) (mm)	Maximum Fork Height (mm)	Free Lift (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)	
			With Backrest	Without Backrest							
			30BHA-7	30BHA-7		30BHA-7	30BHA-7	30BHA-7	30BHA-7	30BHA-7	30BHA-7
2 / Stage limited free lift	V300	2002	3000	115	115	6 / 8	3000	3000	3000	3000	4874
	* V330	2152	3300	115	115	6 / 8	3000	3000	3000	3000	4895
	V350	2252	3500	115	115	6 / 8	3000	3000	3000	3000	4914
	V370	2402	3700	115	115	6 / 8	3000	2900	2900	2900	4937
	V400	2552	4000	115	115	6 / 8	3000	2850	2850	2850	4961
	V430	2702	4300	115	115	6 / 6	2930	2780	2780	2780	5011
	V450	2852	4500	115	115	6 / 6	2890	2740	2740	2740	5042
	V470	2952	4700	115	115	6 / 6	2850	2700	2700	2700	5058
V500	3102	5000	115	115	6 / 6	2790	2640	2640	2640	5082	
3 / Stage full free lift	TF370	1802	3700	1107	622	6 / 6	3000	2850	2850	2850	5038
	TF400	1902	4000	1207	722	6 / 6	2920	2770	2770	2770	5059
	TF430	2002	4300	1307	822	6 / 6	2850	2700	2700	2700	5103
	TF450	2102	4500	1407	922	6 / 6	2810	2660	2660	2660	5108
	TF470	2152	4700	1457	972	6 / 6	2780	2630	2630	2630	5120
	TF500	2252	5000	1557	1072	6 / 6	2720	2570	2570	2570	5145
	TF550	2452	5500	1757	1272	6 / 6	2620	2470	2470	2470	5188
	TF600	2652	6000	1957	1472	6 / 6	2540	2390	2390	2390	5230
TF650	2852	6500	2157	1672	3 / 3	1450	1300	1300	1300	5286	

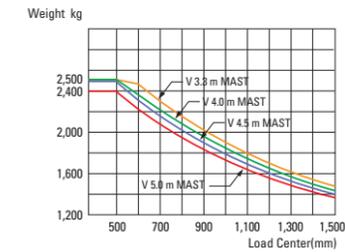
* Standard

Load Capacity

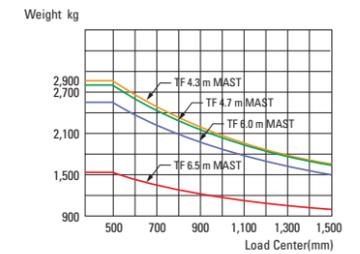
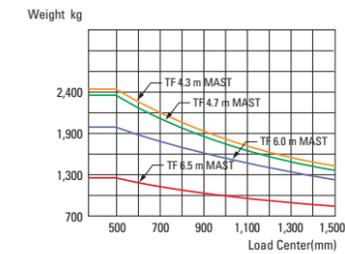
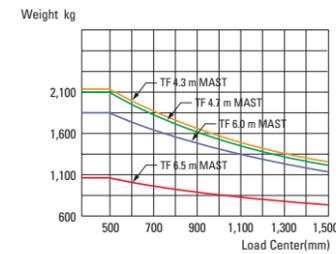
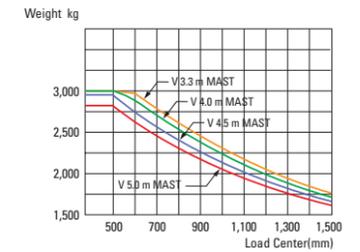
22BHA-7



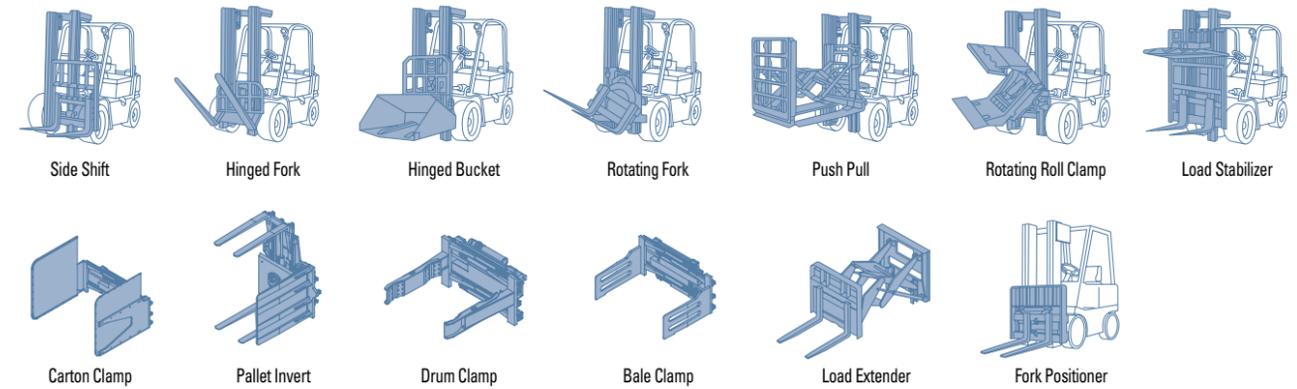
25BHA-7



30BHA-7



Various Attachments



Optional Items

- **Mast**
2 Stage Limited Free Lift(V)
3 Stage Full Free Lift(TF)
- **Fork(mm)**
22BHA/25BHA-7
- 900mm, 1000mm, 1200mm, 1350mm, 1500mm, 1800mm
30BHA-7
- 900mm, 1150mm, 1200mm, 1350mm, 1500mm, 1650mm, 1800mm, 2120mm
- **Overshoe(mm)**
22BHA/25BHA-7
- 1300mm, 1500mm, 1700mm, 1800mm
30BHA-7
- 1500mm, 1700mm, 1800mm
- **Side Shift**
- **Piping**
3-Spool, 4-Spool
- **MCV**
4 Spool 4 Lever
- **Finger Tip Control**
- **Cold Storage**
- **Beacon Lamp(Amber, Red, Blue)**
- **Rear Work Lamp**
- **Tire**
Non-marking, Pneumatic