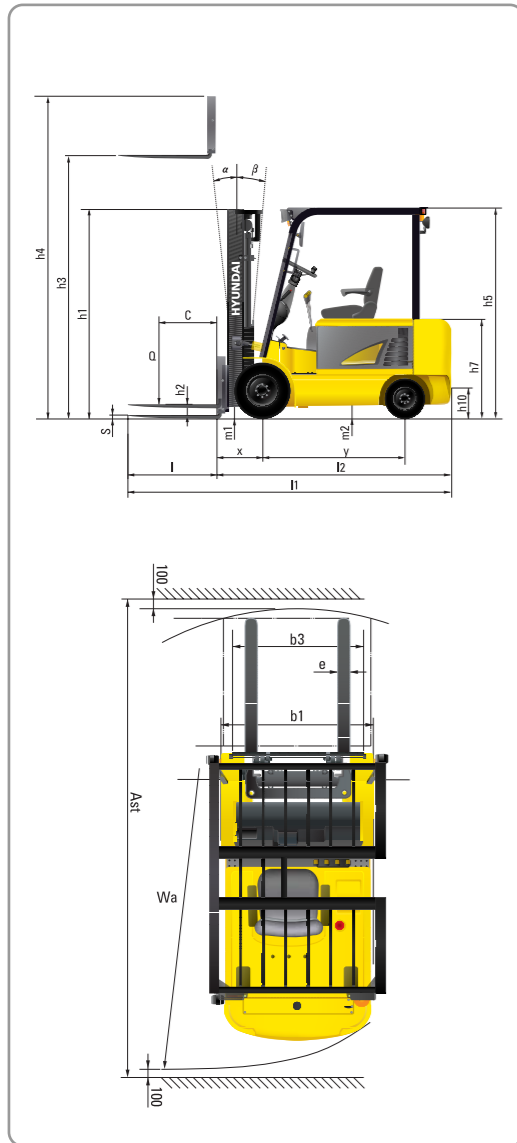


Dimension



Specification

Identification		HYUNDAI				
1.1	Manufacturer	HYUNDAI				
1.2	Manufacturer's type designation	20BC-7	25BC-7	30BC-7	32BC-7	
1.3	Drive : electric(battery or mains) ,diesel, petrol, fuel gas, manual	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	Q t	4,000	5,000	6,000	6,500
1.6	Load center distance	c in	24	24	24	24
1.8	Load distance, center of drive axle to fork	x in	16.9	16.9	17.0	17.0
1.9	Wheelbase	y in	50.1	50.1	55.1	55.1
Weights						
2.1	Service weight	lb	8,878	9,617	10,737	11,116
2.2	Axle loading, loaded front / rear	lb	11,093 / 1,785	12,691 / 1,926	14,654 / 2,083	15,472 / 2,144
2.3	Axle loading, unloaded front / rear	lb	3,828 / 5,050	3,609 / 6,008	4,190 / 6,547	4,136 / 6,980
Wheels, Chassis						
3.1	Tires : solid rubber(V), superelastic(SE), pneumatic(P), polyurethane(PE)	V	V	V	V	
3.2	Tires size, front(φ x width)	21 x 7 x 15	21 x 7 x 15	21 x 8 x 15	21 x 8 x 15	
3.3	Tires size, rear(φ x width)	16 x 6 x10.5	16 x 6 x10.5	16 x 6 x10.5	16 x 6 x10.5	
3.5	Wheels, number front rear(x = driven wheels)	2 x / 2	2 x / 2	2 x / 2	2 x / 2	
3.6	Track width, front	in	35	35	36	36
3.7	Track width, rear	in	35.8	35.8	35.8	35.8
Basic Dimensions						
4.1	Mast / fork carriage tilt forward / backward	degrees	6 / 8	6 / 8	6 / 8	6 / 8
4.2	Lowered mast height	h 1 in	84	84	84	84
4.3	Free lift	h2 in	4.5	4.5	4.5	4.5
4.4	Lift height	h3 in	129.9	129.9	129.9	126
4.5	Extended mast height	h4 in	176.6	176.6	176.6	172.6
4.7	Overhead load guard (cab) height	h5 in	88	88	88	88
4.8	Seat height / Standing height	h7 in	47	47	47	47
4.12	Coupling height	h10 in	10.8	10.8	10.8	10.8
4.19	Overall length	l1 in	125.3	127.6	133.1	134.4
4.20	Length to face of forks	l2 in	83.9	86.3	91.8	93.1
4.21	Overall width	b1 in	43.8	43.8	44	44
4.22	Fork dimensions	s / e / l in	1.77 x 3.94 x 41.3	1.77 x 3.94 x 41.3	1.77 x 4.92 x 41.3	1.77 x 4.92 x 41.3
4.23	Fork carriage ISO 2328, class / type A, B	II / A	II / A	III / A	III / A	
4.24	Fork - carriage width	b3 in	38.6	38.6	38.6	38.6
4.31	Ground clearance, loaded, under mast	m1 in	3.54	3.54	3.54	3.54
4.32	Ground clearance, centre of wheelbase	m2 in	4.21	4.21	4.21	4.21
4.33	Aisle width for pallets 1,000 x 1,200 crossways	Ast in	138.6	139.6	145.5	146.6
4.34	Aisle width for pallets 800 x 1,200 length ways	Ast in	130.7	131.7	137.6	138.8
4.35	Turning radius	Wa in	74.2	75.2	81.3	82.5
4.36	Smallest pivot point distance	in	-	-	-	-
Performance Data						
5.1	Travel speed, loaded / unloaded (48V)	mph	10.6 / 11.2	10.6 / 11.2	10.6 / 11.2	10.6 / 11.2
	(36V)	mph	8 / 9	8 / 9	8 / 9	8 / 9
5.2	Lift speed, loaded / unloaded (48V)	fpm	82.6 / 120	80.7 / 120	67 / 98.4	65 / 98.4
	(36V)	fpm	55 / 86.6	55 / 86.6	55 / 86.6	55 / 86.6
5.3	Lowering speed, loaded / unloaded	fpm	98.4 / 88.6	98.4 / 88.6	98.4 / 88.6	98.4 / 88.6
5.5	Drawbar pull, loaded / unloaded S2 60 min	N	-	-	-	-
5.6	Max. drawbar pull, loaded / unloaded S2 5 min	N	12,124 / 12,203	11,987 / 12,112	11,822 / 11,992	11,776 / 11,958
5.7	Gradient performance, loaded / unloaded S2 30 min	%	-	-	-	-
5.8	Max. gradient performance, loaded / unloaded S2 5 min	%	20 / 20	17 / 19	15 / 18	14 / 17
5.9	Acceleration time, loaded / unloaded		-	-	-	-
5.10	Service brake		Hyd.	Hyd.	Hyd.	Hyd.
E - Motor						
6.1	Drive motor rating S2 60 min (48V)	kW	14.2	14.2	14.2	14.2
	(36V)	kW	-	-	-	-
6.2	Pump motor rating at S3 - 15 % (48V)	kW	18	18	18	18
	(36V)	kW	-	-	-	-
6.4	Battery voltage, nominal capacity K5 (48V)	V/Ah	740	740	845	845
	(36V)	V/Ah	-	-	-	-
6.5	Battery weight (min)	lb	2,490	2,490	3,000	3,000
	Battery compartment dimensions L / W / H	in	39.76 / 30.55 / 23.62	39.76 / 30.55 / 23.62	39.76 / 34.49 / 23.62	39.76 / 34.49 / 23.62
6.6	Type of drive control		AC	AC	AC	AC



■ Some of the photos may include optional equipment.

North America Only

20/25/30/32BC-7 AC

FORKLIFT TRUCKS Environmentally - Friendly

HYUNDAI FORKLIFT

HEAVY INDUSTRIES CO.,LTD.

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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 PVT, Ltd

Plot No.A-2, Chakan Industrial Area, Vill. Khalumbre.

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HEAVY INDUSTRIES CO.,LTD.

We build a better future

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



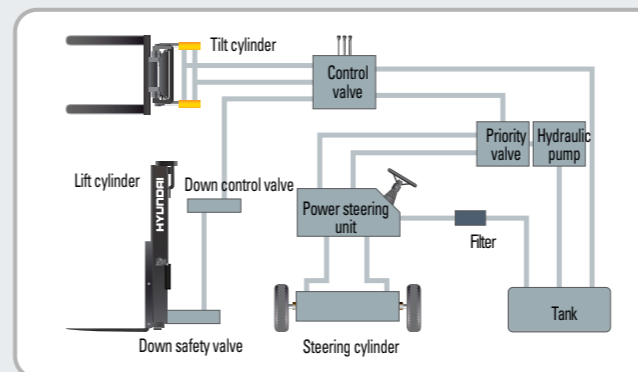
Superior Power & Optimal Performance

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.



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.



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.

Travel Speed (MAX)

Model	mph
20BC-7	11.2
25BC-7	11.2
30BC-7	11.2
32BC-7	11.2

Gradeability (MAX)

Model	%
20BC-7	20
25BC-7	19
30BC-7	18
32BC-7	17



Increased Mast tilting Angle

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



Clean and Reliable Brakes

The adoption of DUO-SERVO type drum brake improves braking performance. A self-adjusting function maintains proper brake adjustment to compensate for lining wear.



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

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.



High visibility for safe operation

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



Easy Control Direction Lever

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



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.



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.



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 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.

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

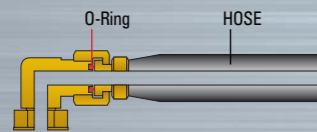
Rear combination lamps with turn signal lamps, tail lamp and brake lights are positioned for high visibility to ensure safety.

High quality AC motors

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



Battery Locking System



ORFS (O-Ring Face Seal)

ORFS type hose prevents the leaking of hydraulic oil.

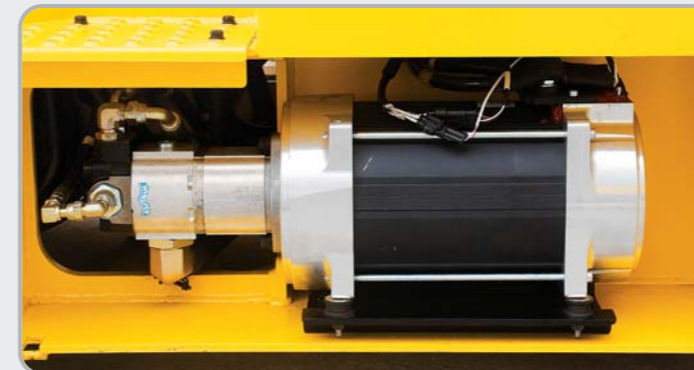
Easy Maintenance & Serviceability

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.



Hydraulic motor



Battery Disconnect Lever / Switch



A concentrated fuse box for easy inspection



Oil Tank Port



Steering Sensor



Easy to Check Brake Oil Level



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 (20/25/30BC-7)

Mast Type	Overall Height (Lowered) (in)	Maximum Fork Height (in)	Free Lift (in)			Tilt Angle (deg) Fwd / Bwd	Load Capacity without side shift at (24in LC) (lb)			Load Capacity with side shift at (24in LC) (lb)			Truck Weight (Unloaded) (lb)			
			With Backrest		Without Backrest		20BC-7			25BC-7			30BC-7			
			20/25/30BC-7	20/25/30BC-7	20/25/30BC-7		20/25/30BC-7	20/25/30BC-7	20/25/30BC-7	20/25/30BC-7	20/25/30BC-7	20/25/30BC-7	20/25/30BC-7	20/25/30BC-7	20/25/30BC-7	20/25/30BC-7
2 / Stage limited free lift	V209	60.2	82.3	4.5	4.5	4.5	10 / 6	4,000	5,000	6,000	4,000	5,000	6,000	8,843	9,582	10,681
	V300	78.1	118.1	4.5	4.5	4.5	6 / 8	4,000	5,000	6,000	4,000	5,000	6,000	8,963	9,701	10,818
	*V330	84.0	129.9	4.5	4.5	4.5	6 / 8	4,000	5,000	6,000	4,000	5,000	6,000	9,006	9,744	10,865
	V350	87.9	137.8	4.5	4.5	4.5	6 / 8	4,000	5,000	6,000	4,000	5,000	6,000	9,043	9,782	10,905
	V370	93.9	145.7	4.5	4.5	4.5	6 / 8	4,000	5,000	6,000	4,000	5,000	6,000	9,092	9,830	10,957
	V400	99.8	157.4	4.5	4.5	4.5	6 / 8	4,000	5,000	6,000	4,000	5,000	5,900	9,140	9,878	11,009
	V430	105.7	169.3	4.5	4.5	4.5	6 / 8	4,000	5,000	6,000	4,000	4,900	5,800	9,241	9,980	11,114
	V450	111.6	177.2	4.5	4.5	4.5	6 / 5	4,000	5,000	6,000	3,950	4,835	5,700	9,302	10,041	11,179
	V470	115.5	185.0	4.5	4.5	4.5	6 / 5	4,000	4,940	5,950	3,840	4,780	5,650	9,334	10,072	10,687
	V500	121.4	196.9	4.5	4.5	4.5	6 / 5	4,000	4,850	5,865	3,800	4,690	5,565	9,382	10,121	11,213
3 / Stage full free lift	TF370	70.3	145.7	23.8	46.3	43.8	6 / 5	4,000	5,000	6,000	4,000	4,840	5,700	9,293	10,032	11,177
	TF400	74.2	157.4	27.8	50.3	47.8	6 / 5	4,000	4,960	5,975	4,000	4,800	5,675	9,339	10,077	11,225
	TF430	78.2	169.3	31.7	54.2	51.7	6 / 5	4,000	4,870	5,840	4,000	4,710	5,540	9,386	10,125	11,324
	TF450	82.1	177.2	35.6	58.1	55.7	6 / 5	4,000	4,805	5,775	3,940	4,645	5,475	9,434	10,173	11,335
	TF470	84.1	185.0	37.6	60.1	57.6	6 / 5	4,000	4,740	5,710	3,830	4,580	5,410	9,463	10,202	11,366
	TF500	87.9	196.9	41.5	64.1	61.6	6 / 5	3,900	4,650	5,600	3,740	4,490	5,300	9,515	10,254	11,420
	TF550	95.9	216.5	49.4	71.9	69.4	6 / 5	3,770	4,495	5,425	3,610	4,335	5,125	9,604	10,342	11,518
	TF600	103.7	236.2	57.3	79.8	77.3	6 / 5	2,690	3,275	3,970	2,530	3,115	3,670	9,770	10,508	11,696
	TF650	111.6	255.9	65.2	87.7	85.2	3 / 3	2,180	2,700	3,285	2,020	2,540	2,985	9,859	10,597	11,793
	TF700	119.5	275.6	73.0	95.6	93.1	3 / 3	1,930	2,400	2,945	1,770	2,240	2,645	9,859	10,597	11,793

* Standard

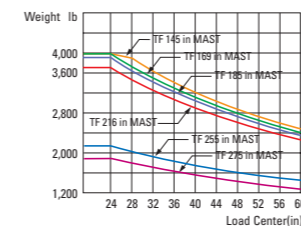
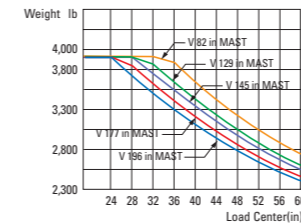
Mast Specification (32BC-7)

Mast Type	Overall Height (Lowered) (in)	Maximum Fork Height (in)	Free Lift		Tilt Angle (deg) Fwd / Bwd	Load Capacity without side shift at (24in LC) (lb)		Load Capacity with side shift at (24in LC) (lb)		Truck Weight (Unloaded) (lb)	
			With Backrest (in)	Without Backrest (in)		32BC-7		32BC-7		32BC-7	
			32BC-7	32BC-7		32BC-7	32BC-7	32BC-7	32BC-7	32BC-7	32BC-7
2 / Stage limited free lift	V290	78.1	114.2	4.5	4.5	6 / 8	6,500	6,500	6,500	6,500	11,196
	*V320	84.0	126.0	4.5	4.5	6 / 8	6,500	6,500	6,500	6,500	11,243
	V340	87.9	133.9	4.5	4.5	6 / 8	6,500	6,500	6,500	6,500	11,284
	V360	93.9	145.7	4.5	4.5	6 / 8	6,500	6,500	6,500	6,500	11,336
	V390	99.8	157.5	4.5	4.5	6 / 8	6,500	6,500	6,500	6,400	11,387
	V420	105.7	169.3	4.5	4.5	6 / 8	6,500	6,500	6,500	6,300	11,492
	V440	111.6	177.2	4.5	4.5	6 / 5	6,480	6,480	6,480	6,180	11,557
	V460	115.5	185.0	4.5	4.5	6 / 5	6,395	6,395	6,395	6,095	11,591
3 / Stage full free lift	V490	121.4	196.9	4.5	4.5	6 / 5	6,305	6,305	6,305	6,005	11,643
	TF370	72.2	145.7	25.8	45.8	6 / 5	6,500	6,500	6,500	6,200	11,606
	TF400	76.2	157.4	29.7	49.8	6 / 5	6,350	6,350	6,350	6,050	11,654
	TF430	80.1	169.3	33.7	53.7	6 / 5	6,240	6,240	6,240	5,940	11,709
	TF450	84.1	177.2	37.6	57.6	6 / 5	6,150	6,150	6,150	5,850	11,763
	TF470	86.0	185.0	39.6	59.6	6 / 5	6,085	6,085	6,085	5,785	11,795
	TF500	90.0	196.9	43.5	63.5	6 / 5	5,950	5,950	5,950	5,650	11,849
	TF550	97.8	216.5	51.4	71.4	6 / 5	5,775	5,775	5,775	5,475	11,947
	TF600	105.7	236.2	59.3	79.3	6 / 5	4,255	4,255	4,255	3,955	12,123
	TF650	113.6	255.9	67.1	87.2	3 / 3	3,530	3,530	3,530	3,230	12,222
TF700	121.5	275.6	75.0	95.0	3 / 3	3,150	3,150	3,150	2,850	12,222	

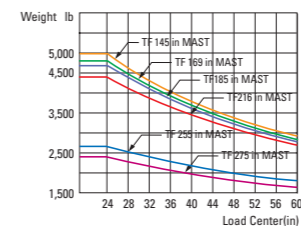
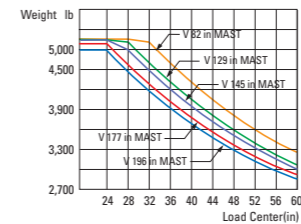
* Standard

Load Capacity

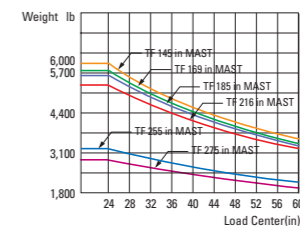
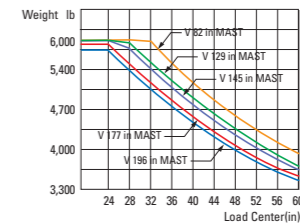
20BC-7



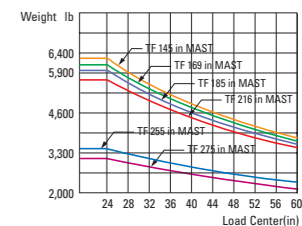
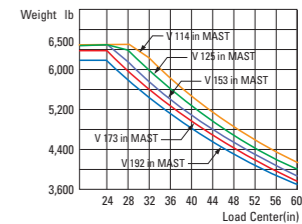
25BC-7



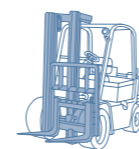
30BC-7



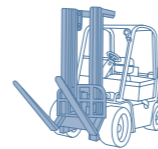
32BC-7



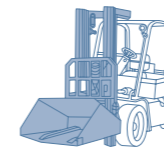
Various Attachments



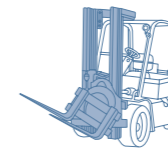
Side Shift



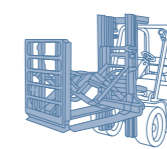
Hinged Fork



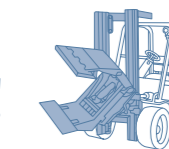
Hinged Bucket



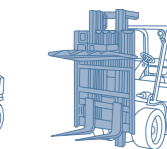
Rotating Fork



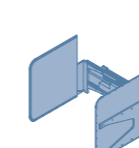
Push Pull



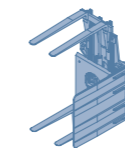
Rotating Roll Clamp



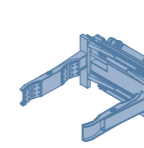
Load Stabilizer



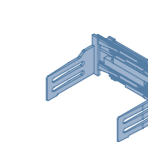
Carton Clamp



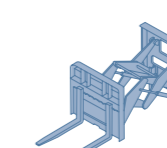
Pallet Invert



Drum Clamp



Bale Clamp



Load Extender



Fork Positioner

Optional Items

- **Mast**
3-Stage Full Free Lift
- **Fork(in)**
35.4 / 39.3 / 41.3 / 47.2 / 53.1 / 59.0 / 64.9 / 70.8
- **Overshoe(in)**
59.0 / 66.9 / 70.8

- **Tire**
Smooth Rubber Type
Non-Marking (Lug or Smooth Type)
- **Cold Storage**
- **Dual Voltage (36/48 V)**

- **UL EE**
- **Finger Tip Control**