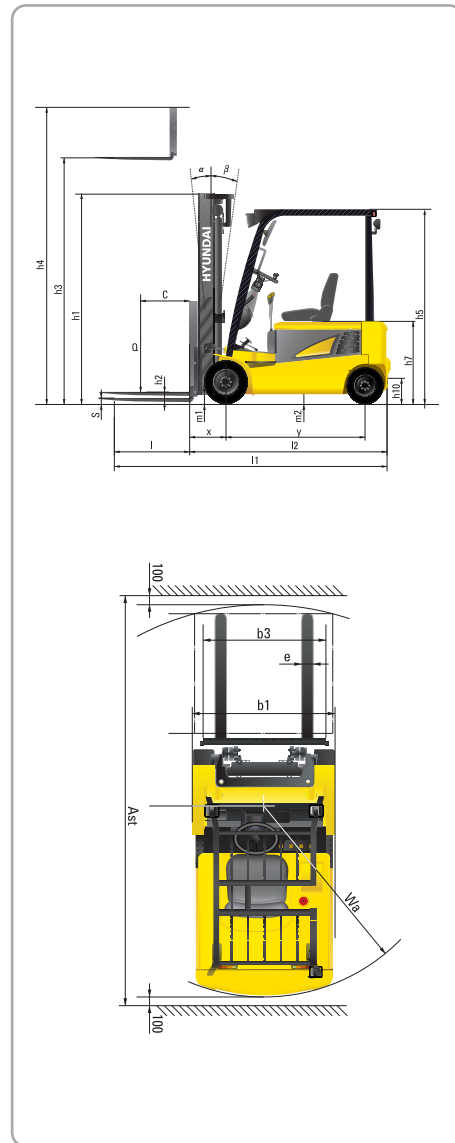


Dimension



Specification

Identification

Item	Manufacturer	HYUNDAI	HYUNDAI	HYUNDAI	
1.1	Manufacturer	HYUNDAI	HYUNDAI	HYUNDAI	
1.2	Manufacturer's type designation	16B-7	18B-7	20B-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 lb	3,200	3,500	4,000
1.6	Load center distance	c in	24	24	24
1.8	Load distance, center of drive axle to fork	x in	14.2	14.2	14.4
1.9	Wheelbase	y in	53.3	56.7	56.7

Weights

Item	Service weight	lb	6,603	7,043	7,275
2.1	Service weight	lb	6,603	7,043	7,275
2.2	Axle loading, loaded front / rear	lb	8,751/1,051	9,227/1,316	10,068/1,207
2.3	Axle loading, unloaded front / rear	lb	3,225/3,378	3,335/3,708	3,335/3,940

Wheels, Chassis

Item	Tires : solid rubber(V), superelastic(SE), pneumatic(P), polyurethane(PE)	SE	SE	SE	
3.1	Tires : solid rubber(V), superelastic(SE), pneumatic(P), polyurethane(PE)	SE	SE	SE	
3.2	Tires size, front(φ x width)	18x7-8	18x7-8	200/50-10	
3.3	Tires size, rear(φ x width)	16x6-8	16x6-8	16x6-8	
3.5	Wheels, number front rear(x = driven wheels)	2x/2	2x/2	2x/2	
3.6	Track width, front	in	35.2	35.2	35.6
3.7	Track width, rear	in	34.6	34.6	34.6

Basic Dimensions

Item	Mast / fork carriage tilt forward / backward	degrees	5 / 7	5 / 7	5 / 7
4.1	Mast / fork carriage tilt forward / backward	degrees	5 / 7	5 / 7	5 / 7
4.2	Lowered mast height	h1 in	83.5	83.5	83.8
4.3	Free lift	h2 in	5.3	5.3	5.3
4.4	Lift height	h3 in	129.9	129.9	129.9
4.5	Extended mast height	h4 in	170.6	170.6	170.6
4.7	Overhead load guard (cab) height	h5 in	77.6	77.6	78
4.8	Seat height	h7 in	36.2	36.2	36.6
4.12	Coupling height	h10 in	9.8	9.8	9.8
4.19	Overall length	l1 in	115.4	118.7	119.3
4.20	Length to face of forks	l2 in	80	83.3	83.9
4.21	Overall width	b1 in	43.3	43.3	43.5
4.22	Fork dimensions	s / e / l in	35.4x3.9x1.4	35.4x3.9x1.4	35.4x3.9x1.6
4.23	Fork carriage ISO 2328, class / type A, B		2A	2A	2A
4.24	Fork - carriage width	in	38.6	38.6	38.6
4.31	Ground clearance, loaded, under mast	m1 in	3.3	3.3	3.7
4.32	Ground clearance, centre of wheelbase	m2 in	3.5	3.5	3.9
4.33	Aisle width for pallets 1,000 x 1,200 crossways	Ast in	132.7	136	136.4
4.34	Aisle width for pallets 800 x 1,200 length ways	Ast in	125.6	128.9	129.3
4.35	Turning radius	Wa in	66.3	69.7	70.1
4.36	Smallest pivot point distance	in	-	-	-

Performance Data

Item	Travel speed, loaded / unloaded	(48V) mph	10/10.6	10/10.6	10/10.6
5.1	Travel speed, loaded / unloaded	(48V) mph	10/10.6	10/10.6	10/10.6
		(36V) mph	9.3/10	9.3/10	9.3/10
5.2	Lift speed, loaded / unloaded	(48V) fpm	80.7/118.1	80.7/118.1	80.7/118.1
		(36V) fpm	65.0/98.4	65.0/98.4	65.0/98.4
5.3	Lowering speed, loaded / unloaded	fpm	98.4/88.6	98.4/88.6	98.4/88.6
5.5	Drawbar pull, S2 30 min	(loaded) N	-	-	-
		(unloaded) N	-	-	-
5.6	Max. drawbar pull, S2 5 min	(loaded) N	15,102	15,190	14,367
		(unloaded) N	14,759	14,710	14,043
5.7	Gradient performance, S2 3 min	(loaded) %	-	-	-
		(unloaded) %	-	-	-
5.8	Max. gradient performance, S2 5 min	(loaded) %	29.5	27.5	24.5
5.10	Service brake		Hydr.	Hydr.	Hydr.

E - Motor

Item	Drive motor rating S2 60 min	(48V / 36V) kW	4.4x2 / 3.5x2	4.4x2 / 3.5x2	4.4x2 / 3.5x2
6.1	Drive motor rating S2 60 min	(48V / 36V) kW	4.4x2 / 3.5x2	4.4x2 / 3.5x2	4.4x2 / 3.5x2
6.2	Pump motor rating at S3 - 15% (S2 10min)	(48V / 36V) kW	15.8 / 9.9	15.8 / 9.9	15.8 / 9.9
6.4	Battery voltage, nominal capacity K5	A h	505	585	585
6.5	Battery weight (min)	lb	1,565.3	1,840.8	1,840.8
	Battery dimensions L / W / H	in	39/21.5/25	39/24.8/25	39/24.8/25

Other Details

Item	Type of drive control	AC	AC	AC
8.1	Type of drive control	AC	AC	AC



*Photo may include optional equipment.

North America Only

16/18/20B-7 AC

FORKLIFT TRUCKS Environmentally - Friendly

HYUNDAI FORKLIFT
HEAVY INDUSTRIES CO.,LTD.

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U.S. Operation : Hyundai Construction Equipment U.S.A., Inc.
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 Aarum, 33/1/1/2 Vadgaon Sheri,
Viman Nagar, Pune 411 014 India Tel 91-20-4003-8160 Fax 91-20-4003-8163

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2008. 04 Rev 0.

HYUNDAI
HEAVY INDUSTRIES CO.,LTD.

We build a better future

The New AC Control B Series

Designed with a durable frame and built to offer excellent stability and a smooth ride. The newly designed AC control forklifts are built to be real workhorses.

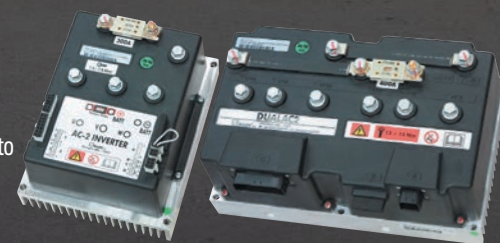


*Photo may include optional equipment.

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 with Optimal Performance

Efficient, smooth driving, ergonomically designed, AC control B series are built to meet your needs.



Increased Mast tilting Angle

Utilizing the mast tilting angle of 5 degrees forward and 7 degrees backward, the operator can rapidly perform hydraulic functions.



Wet Disc Brake System

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



Fully Hydrostatic Power Steering

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

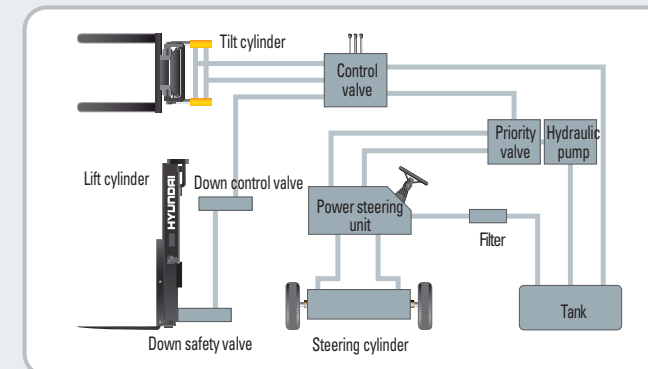


OPSS (Operator Presence Sensing System)

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

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 to the hydraulic lines.



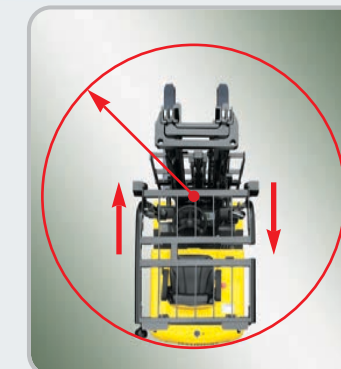
State-of-the-art hydraulic System

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.



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.

Travel Speed (MAX)

Model	mph
16B-7	10.6
18B-7	10.6
20B-7	10.6

Gradeability (MAX)

Model	%
16B-7	16.4
18B-7	15.3
20B-7	13.7

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 control the equipment with minimal effort.



Multi-Functional Switch

Integrated multi-functional switch lever enables the driver to operate lights that includes a secondary horn position.



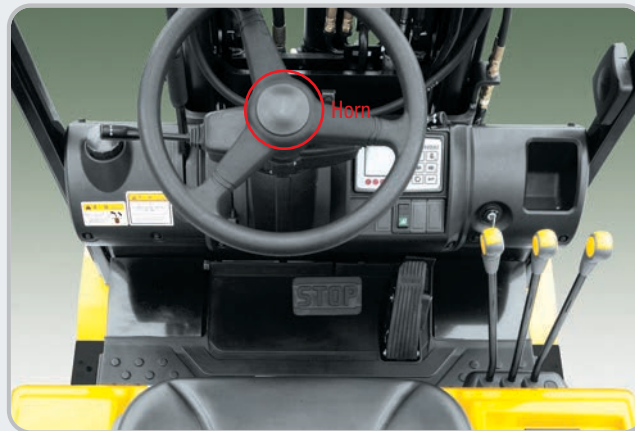
Prompt Response of Operating Control Levers

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.



Perfect Fit For Long Work Cycles

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



The Ergonomic 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, Full 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

* Photo 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.

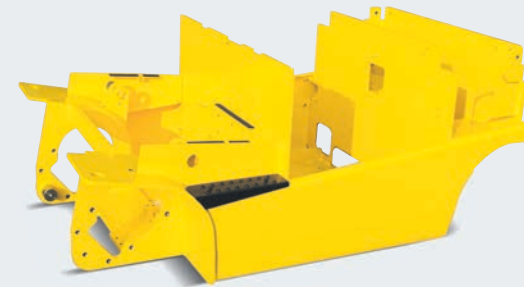
Console Box & Cup Holder

Additional storage spaces are available on the right side for operator convenience.



High Durability & Simple Arrangement

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



Heavy Duty Single Frame

Heavy duty single type frame, designed on the basis of accurate structural analysis, guarantees durability and safety.

*Photo may include optional equipment.



Strong Overhead Guard

The safety overhead guard meets 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.

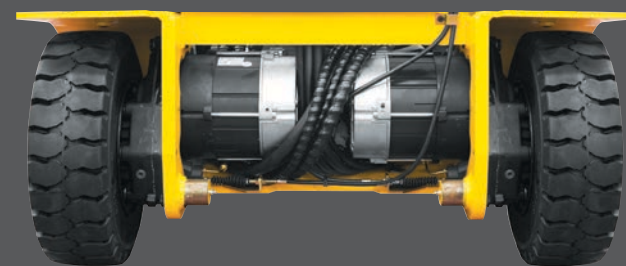


Rear Safety Lamp

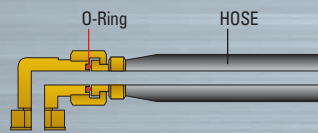
Rear combination lamps with turn signal lamps, tail lamp and brake lights are positioned for high visibility to ensure safety.

High quality AC motors

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



Battery Locking System



ORFS (O-Ring Face Seal)

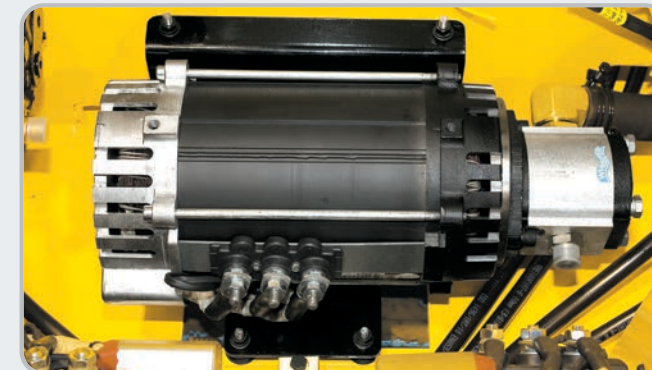
ORFS type hose prevents the leaking of hydraulic oil.

Easy Maintenance & Serviceability



Easy battery replacement

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



Pump motor



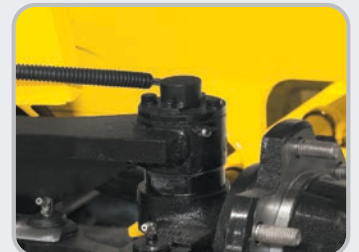
Battery Disconnect Lever / Switch



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 (16/18B-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)		
	16B-7	18B-7	16B-7	18B-7	With Backrest		Without Backrest		16B-7	18B-7	16B-7	18B-7	16B-7	18B-7	16B-7	18B-7	
	16B-7	18B-7	16B-7	18B-7	16B-7	18B-7	16B-7	18B-7	16B-7	18B-7	16B-7	18B-7	16B-7	18B-7	16B-7	18B-7	
2 / Stage limited free lift	V250	67.7	67.7	99.4	99.4	5.3	5.3	5.3	5.3	5 / 7	5 / 7	3200	3500	3000	3300	6518	6959
	V270	71.7	71.7	107.3	107.3	5.3	5.3	5.3	5.3	5 / 7	5 / 7	3200	3500	3000	3300	6548	6988
	V300	77.6	77.6	119.1	119.1	5.3	5.3	5.3	5.3	5 / 7	5 / 7	3200	3500	3000	3300	6591	7032
	* V330	83.5	83.5	130.9	130.9	5.3	5.3	5.3	5.3	5 / 7	5 / 7	3200	3500	3000	3300	6634	7075
	V350	87.4	87.4	138.8	138.8	5.3	5.3	5.3	5.3	5 / 7	5 / 7	3200	3500	3000	3300	6663	7104
	V370	91.3	91.3	146.7	146.7	5.3	5.3	5.3	5.3	5 / 7	5 / 7	3200	3500	3000	3300	6692	7133
	V400	97.2	97.2	158.5	158.5	5.3	5.3	5.3	5.3	5 / 7	5 / 7	3200	3500	3000	3300	6744	7185
	V450	111.0	111.0	178.1	178.1	5.3	5.3	5.3	5.3	5 / 5	5 / 5	3150	3500	3000	3300	6885	7326
	V500	120.9	120.9	197.8	197.8	5.3	5.3	5.3	5.3	5 / 5	5 / 5	3000	3300	2850	3300	6957	7398
	V550	130.7	130.7	217.5	217.5	5.3	5.3	5.3	5.3	5 / 5	5 / 5	2850	3100	2700	3100	7028	7469
3 / Stage full free lift	TF370	69.7	69.7	147.0	147.0	30.0	30.0	49.8	49.8	5 / 5	5 / 5	3200	3500	3000	3300	6849	7290
	TF400	73.6	73.6	158.9	158.9	34.0	34.0	53.7	53.7	5 / 5	5 / 5	3200	3500	3000	3300	6884	7325
	TF430	77.6	77.6	170.7	170.7	37.9	37.9	57.6	57.6	5 / 5	5 / 5	3150	3500	2950	3300	6927	7368
	TF450	81.5	81.5	178.5	178.5	41.9	41.9	61.6	61.6	5 / 5	5 / 5	3100	3500	2900	3300	6961	7402
	TF470	83.5	83.5	186.4	186.4	43.8	43.8	63.5	63.5	5 / 5	5 / 5	3050	3500	2850	3300	6982	7423
	TF500	87.4	87.4	198.2	198.2	47.9	47.9	67.5	67.5	5 / 5	5 / 5	2950	3500	2800	3300	7026	7466
	TF550	95.3	95.3	217.9	217.9	55.7	55.7	75.4	75.4	5 / 5	5 / 5	2850	3150	2700	3000	7109	7550
	TF600	103.1	103.1	237.6	237.6	63.5	63.5	83.2	83.2	5 / 5	5 / 5	2200	2200	2050	2050	7250	7690
	TF650	111.0	111.0	257.3	257.3	71.4	71.4	91.1	91.1	5 / 5	5 / 5	2100	2100	1950	1950	7346	7787
	TF700	118.9	118.9	277.0	277.0	79.3	79.3	99.0	99.0	5 / 5	5 / 5	1500	1500	1400	1400	7426	7867

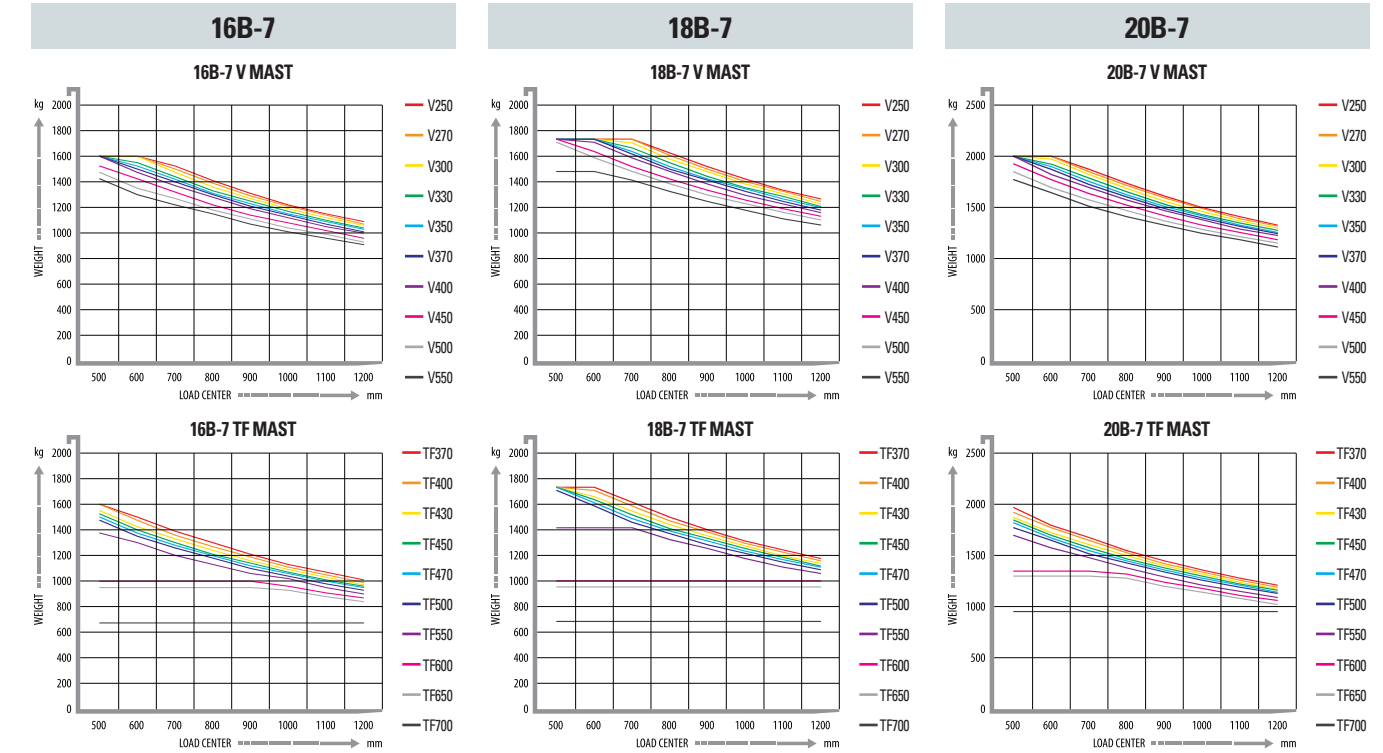
* Standard

Mast Specification (20B-7)

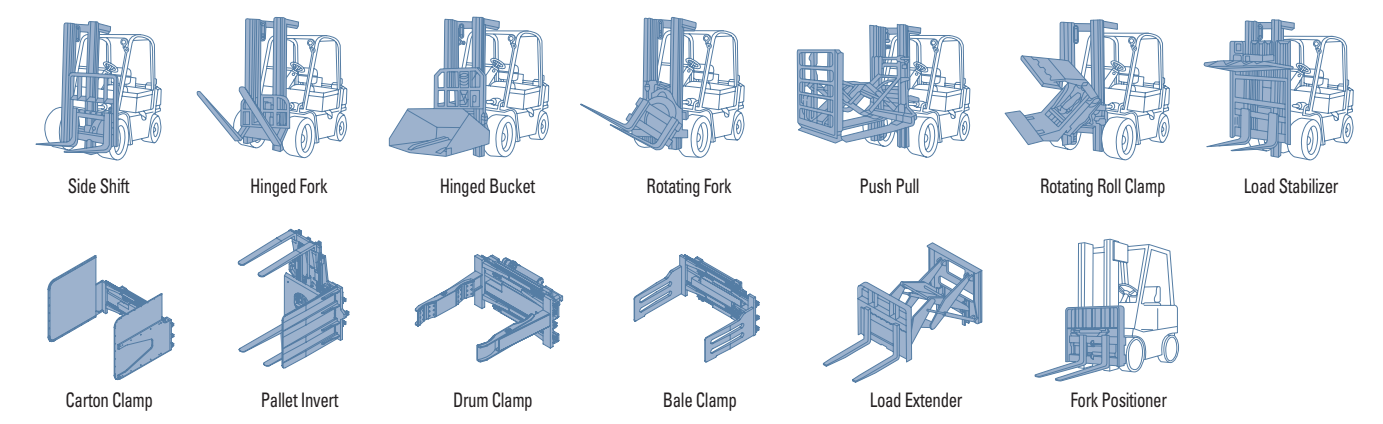
Mast Type	Overall Height (Lowered) (in)		Maximum Fork Height (in)		Free Lift (in)		Tilt Angle (deg) Fwd / Bwd		Load Capacity without side shift at 24in LC (lb)		Load Capacity with side shift at 24in LC (lb)		Truck Weight (Unloaded) (lb)			
	20B-7	20B-7	20B-7	20B-7	With Backrest (in)		Without Backrest (in)		20B-7	20B-7	20B-7	20B-7	20B-7	20B-7		
	20B-7	20B-7	20B-7	20B-7	20B-7	20B-7	20B-7	20B-7	20B-7	20B-7	20B-7	20B-7	20B-7	20B-7		
2 / Stage limited free lift	V250	68.1	68.1	99.6	99.6	5.5	5.5	5 / 7	5 / 7	4000	3850	3850	3850	7208		
	V270	72.0	72.0	107.5	107.5	5.5	5.5	5 / 7	5 / 7	4000	3850	3850	3850	7237		
	V300	77.9	77.9	119.3	119.3	5.5	5.5	5 / 7	5 / 7	4000	3850	3850	3850	7280		
	* V330	83.8	83.8	131.1	131.1	5.5	5.5	5 / 7	5 / 7	4000	3850	3850	3850	7323		
	V350	87.8	87.8	139.0	139.0	5.5	5.5	5 / 7	5 / 7	4000	3850	3850	3850	7352		
	V370	91.7	91.7	146.9	146.9	5.5	5.5	5 / 7	5 / 7	4000	3850	3850	3850	7381		
	V400	97.6	97.6	158.7	158.7	5.5	5.5	5 / 7	5 / 7	4000	3850	3850	3850	7434		
	V450	111.4	111.4	178.3	178.3	5.5	5.5	5 / 5	5 / 5	3900	3750	3750	3750	7574		
	V500	121.2	121.2	198.0	198.0	5.5	5.5	5 / 5	5 / 5	3750	3650	3650	3650	7646		
	V550	131.1	131.1	217.7	217.7	5.5	5.5	5 / 5	5 / 5	3650	3550	3550	3550	7717		
3 / Stage full free lift	TF370	70.0	70.0	147.2	147.2	30.6	30.6	50.3	50.3	5 / 5	5 / 5	4000	3850	3850	3850	7538
	TF400	74.0	74.0	159.1	159.1	34.5	34.5	54.3	54.3	5 / 5	5 / 5	3900	3750	3750	3750	7573
	TF430	77.9	77.9	170.9	170.9	38.5	38.5	58.2	58.2	5 / 5	5 / 5	3800	3650	3650	3650	7616
	TF450	81.9	81.9	178.7	178.7	42.4	42.4	62.1	62.1	5 / 5	5 / 5	3750	3600	3600	3600	7650
	TF470	83.8	83.8	186.6	186.6	44.4	44.4	64.1	64.1	5 / 5	5 / 5	3700	3550	3550	3550	7671
	TF500	87.8	87.8	198.4	198.4	48.3	48.3	68.0	68.0	5 / 5	5 / 5	3650	3500	3500	3500	7715
	TF550	95.6	95.6	218.1	218.1	56.2	56.2	75.9	75.9	5 / 5	5 / 5	3450	3350	3350	3350	7798
	TF600	103.5	103.5	237.8	237.8	64.1	64.1	83.8	83.8	5 / 5	5 / 5	2950	2850	2850	2850	7939
	TF650	111.4	111.4	257.5	257.5	71.9	71.9	91.7	91.7	5 / 5	5 / 5	2900	2800	2800	2800	8035
	TF700	119.3	119.3	277.2	277.2	79.8	79.8	99.5	99.5	5 / 5	5 / 5	2100	2000	2000	2000	8115

* Standard

Load Capacity



Various Attachments



Optional Items

- **Mast**
 - 2-Stage mast (Max. Fork Height)(in)
 - 16/18B-7 -147.0 / 158.9 / 170.7 / 178.5 / 186.4 / 198.2 / 217.9 / 237.6 / 257.3 / 277.0
 - 20B-7 -99.6 / 107.3 / 119.1 / 138.8 / 146.7 / 158.5 / 178.1 / 197.8 / 217.5
 - 3-Stage mast (Max. Fork Height)(in)
 - 16/18B-7 -147.0 / 158.9 / 170.7 / 178.5 / 186.4 / 198.2 / 217.9 / 237.6 / 257.3 / 277.0
 - 20B-7 -147.2 / 159.1 / 170.9 / 178.7 / 186.6 / 198.4 / 218.1 / 237.8 / 257.5 / 277.2
 - **Dual free lift 3-Stage Mast (Max. Fork Height)(in)**
 - 16/18B-7 -147.0 / 158.9 / 170.7 / 178.5 / 186.4 / 198.2 / 217.9 / 237.6 / 257.3 / 277.0
 - 20B-7 -147.2 / 159.1 / 170.9 / 178.7 / 186.6 / 198.4 / 218.1 / 237.8 / 257.5 / 277.2
 - **Side Shift**
 - Side shift, Integral side shift
 - **Valve & Hose Piping**
 - 3 Spool Internal & 4 Spool Internal Type
 - **Dual Voltage** : 36/48 Volt
 - **UL & CE** : UL Type "E" & "EE"
- **Fork**
 - 16/18B-7(in) -29.5 / 33.5 / 35.4(Std) / 41.3 / 47.2 / 53.1 / 59.1
 - 20B-7(in) -35.4 / 37.4 / 39.4 / 41.3(Std) / 45.3 / 47.2 / 53.1 / 59.1 / 63.0
 - **Cold Storage** : Available at -30°C working area
 - **Finger Tip Control**
 - Enhanced operator convenience
 - **Tire**
 - Solid, Non-Marking