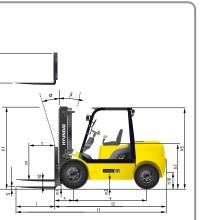
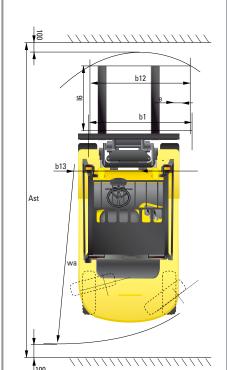
## **Dimension**





		S	pecificatio	n		
Ident	tification					
1.1	Manufacturer		Hyundai	Hyundai	Hyundai	Hyundai
1.2	Manufacturer's type designation		20D-7	25D-7	30D-7	33D-7
1.3	Drive: electric (battery or mains),diesel,petrol,fuel ga	as.manual	DIESEL	DIESEL	DIESEL	DIESEL
1.4	Type of operation:hand,pedestrian,standing,seated,		seated	seated	seated	seated
1.5	Load capacity / rated load	kg/lb	2,000 / 4,000	2,500 / 5,000	3,000 / 6,000	3,300 / 6,500
1.6	Load center distance	c (mm/in)	500 / 24	500 / 24	500 / 24	500 / 24
1.8	Load distance, center of drive axle to fork	x(mm/in)	461 / 18.1	461 / 18.1	464 / 18.3	464 / 18.3
1.9	Wheelbase	y(mm/in)	1,650 / 65	1,650 / 65	1,700 / 67	1,700 / 67
Weig	jhts					
2.1	Service weight	kg/lb	3,604 / 7,945	3,894 / 8,585	4,411 / 9,725	4,823 / 10,633
2.2	Axle loading, loaded front/rear	kg	4,847 / 757	5,579 / 815	6,450 / 962	6,885 / 1,238
2.3	Axle loading, unloaded front/rear	kg	1,683 / 1,921	1,623 / 2,271	1,748 / 2,663	1,713 / 3,110
Whe	els, Chassis					
3.1	Tires:solid rubber, superelastic, pneumatic, po	lyurethane	pneumatic	pneumatic	pneumatic	pneumatic
3.2	Tires size, front( $\phi$ x width)		7.00-12-12PR	7.00-12-12PR	28x9-15-14PR	28x9-15-14PR
3.3	Tires size, rear(⊄x width)		6.00-9-10PR	6.00-9-10PR	6.50-10-12PR	6.50-10-12PR
3.5	Wheels, number front x rear (x=driven wheels)		x2/2	x2/2	x2/2	x2/2
3.6	Track width, front	mm/in	965 / 38	965 / 38	1,005 / 40	1,005 / 40
3.7	Track width, rear	mm/in	980 / 39	980 / 39	980 / 39	980 / 39
Basi	c Dimensions					
4.1	Mast / fork carriage tilt forward / backward	degrees	6 / 10	6 / 10	6 / 10	6 / 10
4.2	Lowered mast height	h1 (mm/in)	2,175 / 86	2,175 / 86	2,190 / 86	2,190 / 86
4.3	Free lift	h2 (mm/in)	155 / 6.1	155 / 6.1	155 / 6.1	155 / 6.1
4.4	Lift height	h3 (mm/in)	3,300 / 130	3,300 / 130	3,300 / 130	3,200 / 126
4.5	Extended mast height	h4 (mm/in)	4,485 / 177	4,485 / 177	4,485 / 177	4,385 / 173
4.7	Overhead load guard (cab) height	h5 (mm/in)	2,160 / 85	2,160 / 85	2,180 / 86	2,180 / 86
4.8	Seat height / standing height	h7 (mm/in)	1,086	1,086	1,106	1,106
4.12	Coupling height	h10 (mm/in)	306	306	330	330
4.19	Overall length	I1 (mm/in)	3,577	3,632	3,738	3,806
4.20	Length to face of forks	I2 (mm/in)	2,527 / 99	2,582 / 102	2,688 / 106	2,756 / 109
4.21	Overall width	b1 (mm/in)	1,160 / 46	1,160 / 46	1,230 / 48	1,230 / 48
4.22	Fork dimensions(hook type) s	/ e / I(mm/in)	1,050x100x45 (41x4x1.8)	1,050x100x45 (41x4x1.8)	1,050x125x45 (41x5x1.8)	1,050x125x45 (41x5x1.8)
4.23	Fork carriage ISO 2328, class / type A,B		2A	2A	3A	3A
4.24	Fork-carriage width	b12 (mm/in)	1,084	1,084	1,084	1,084
4.31	Ground clearance, loaded, under mast	m1(mm/in)	114 / 4.5	108 / 4.3	118 / 4.6	115 / 4.5
4.32	Ground clearance, centre of wheelbase	m2(mm/in)	185	185	198	198
4.33	Aisle width for pallets 1,000x1,200 crossways (LxW)	Ast(mm/in)	3,913 / 154	3,961 / 156	4,057 / 160	4,119 / 162
4.34	Aisle width for pallets 800x1,200 lengthways (WxL)	Ast(mm/in)	4,113 / 162	4,161 / 164	42,571 / 168	4,319 / 170
4.35	Turning radius	Wa(mm/in)	2,252 / 89	2,300 / 91	2,393 / 94	2,455 / 88.7
4.36	Smallest pivot point distance	b13(mm/in)	698	698	724	724
=	ormance Data					
5.1	Travel speed, unloaded	km/h / mph	18.9 / 11.7	18.9 / 11.7	19.8 / 12.3	19.8 / 12.3
5.2	Lift speed, loaded/ unloaded	mm/s	560 / 590	540 / 590	480 / 500	470 / 500
5.3	Lowering speed, loaded/unloaded	mm/s	500 / 450	500 / 450	500 / 450	500 / 450
5.5	Drawbar pull, loaded	kg/lb	2,109 / 4,650	2,125 / 4,685	2,016 / 4,445	2,021 / 4,456
5.7	Gradient performance, loaded/ unloaded	%	40.1 / 24.8	34.8 / 22.1	28.0 / 21.0	25.5 / 18.7
5.9	Acceleration time, loaded/ unloaded(10m)	sec	NA FOOT	NA FOOT	NA FOOT	3.64
5.10	Service brake		FOOT	FOOT	FOOT	FOOT
Engi						
6.1	Engine manufacturer / type		KUBOTA V3300	KUBOTA V3300	KUBOTA V3300	KUBOTA V3300
6.2	Engine power acc. to ISO 1585	kW	47	47	47	47
6.3	Rated speed	1/min	2,300	2,300	2,300	2,300
6.4	No. of cylinder / cubic capacity	anz/cm³	4/3,318	4/3,318	4/3,318	4/3,318
6.5	Fuel consumption acc. To VDI cycle	liter/h	NA NA	NA	2.86	NA
Uthe	er Details					
8.1	Type of drive control		power shift	power shift	power shift	power shift
8.2	Operating pressure	bar 	200	200	200	200
8.3	Oil volume	liter	30	30	30	30
8.4	Sound level at driver's ear according to (DIN 12 053)	db(A)	80	80	80	80

Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine shown may vary according to International standards. All US measurement rounded off to nearest pounds or inches.



#### **CONSTRUCTION EQUIPMENT**

1 JEONHA-DONG, DONG-GU, ULSAN, KOREA Tel (82) (52) 202-7970, 7729 Fax (82) (52) 202-7979, 7720

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 U.S. Operation

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

**PLEASE CONTACT** 

1) with DZ mast +25mm; with integrated sideshift x=375mm(with DZ mast +25mm); with hook-on sideshift x=410.5mm(with DZ mast +25mm)

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### FORKLIFT EXCELLENT MODEL



**HYUNDAI DIESEL FORKLIFT TRUCKS** 





## High Power & Performance

#### **Powerful Engine**

## KUBOTA V3300 Engine

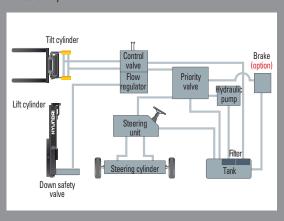
Market approved quality of Kubota V3300 engine ensures incomparable performance, durability and additional value to the machine. 47kW of the engine is more than enough to suit any work, not just with normal 47kW but with special attachments requiring high power as well.(EPA/EU Tier-2 Certified)

# 47kW/2,300rpm



#### 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.





Being able to quickly raise and lower the mast, as well as tilt it forward and backward, provides the best operational conditions during unloading. When the truck is fully loaded, mast lowering speed is carefully controlled to ensure safety by the down control valve.





#### **Increased mast tilting angle**

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



#### Wet disc brake system

The adoption of Wet disc type brake improves brake performance.

Brake pedal effort is improved about 45% at 20% slope and Wet disc brakes have service intervals 5 times longer than conventional.



#### **Fully hydrostatic power steering**

A hydraulic steering system always guarantees smooth and flexible steering, preventing overrun and kick-back.



#### **Key-locking fuel cap**

Increased security on job sites with locking fuel cap, plus an increased capacity fuel tank for less down time.

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### **Comfortable Operation**



#### Adjustable steering wheel

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



#### **Easy and safe shift lever**

A single lever on the left side of the steering column gives the operator fast, easy control of direction. The engine can be started in case of neutral position of this lever.



### **Multi-function switch lever**

Multi-functional switch lever gives easy access to lights and horn.



#### **Quick Response of Operating Control Levers**

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



#### **Ergonomically positioned pedals**

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



#### **Cup holder & console box**

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

#### **New high visibility for safe operation**

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

### **Operator friendly gauges and water**resistant monitor panel



- Parking brake lamp Directional indicators
- G Fuel warning lamp Engine oil warning lam

- Battery charging warning lamp
   Air cleaner filter warning light
- Pre-heater indicator
- Water temperature gauge
- Fuel gauge
- Engine check lamp
- Seat belt warning
- OPS warning

#### Easily adjustable suspension seat

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



### **Full-Floating headguard Mount**

The anti-vibration rubber is installed between the guard and truck frame to reduce the source of vibration and noise while driving. This not only reduces operator's fatigue but also increases safety.



06

## Endurance & Safety

#### **Strong overhead guard**

The safety overhead guard meets EEC and ANSI regulations and protects the operator during hazardous jobs.



#### **Parking Brake**

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





# Highly Durable Split Type Drive Axle

Powershift transmission provides fast travel speed and quiet travel under any heavy load condition, and boosts work efficiency.



# Improvement in maintenance of electric parts

Various electric parts are centralized in dash board resulting in improvement in maintenace



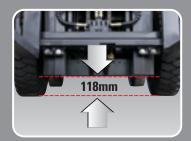
#### **Expansion bellows**

The expansion bellows absorbs vibration and reduces noise generated from the exhaust gas system and also extends the life cycle of exhaust gas system.



### **Bright, protected headlights**

Bright, protected headlights is positioned for exceptional visibility.



#### **Ground clearance**

The engine and transmission are assembled horizontally and positioned high in the frame to protect expansive components during operation on rugged surface.

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### **Durability Easy Maintenance**



# **Electrically Monitored Air** Filter

Air cleaner sensor alerts the operator of a restricted air filter and allows replacement before damage.



Easy Maintenance oil check

The T/M oil level can be checked easily without any disassembly.



**Brake fluid reservoir** 

Highly visible, easily accessible reservoir makes for quicker daily inspections.



An accessible, compact fuse box for easy inspection



# Centralized design for easy service!

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



**Easy Change Air Cleaner** 

The air filter is readily accessible for cleaning or replacement. (7inch Cyclone Type)



**Portable Side Cover** 



Rotational battery installation



Aluminum radiator
with superb protection
against heat



Engine oil condition check



One touch(tool-less) floor plate

Mast Specification																										
Mast	Type	Maximum Fork Height	Fork Lowered					Load Capacity w / o side shift e at 500 mm(24 in)LC						Load Capacity w / side shift at 500 mm(24 in)LC					Truck Weight Unload							
		mm(in)	mn	n(in)	deç		deg		Sin	gle Tire (kg	/ lb)	Dou	ble Tire (kg	/ lb)	Sin	gle Tire (kg	/ lb)	Dou	ıble Tire (kg	/ lb)	Sin	gle Tire (kg	/ lb)	Dou	ıble Tire (kg	/ lb)
		20/25/30D-7	20/25D-7	30D-7	Fwd	Bwd	20D-7	25D-7	30D-7	20D-7	25D-7	30D-7	20D-7	25D-7	30D-7	20D-7	25D-7	30D-7	20D-7	25D-7	30D-7	20D-7	25D-7	30D-7		
	V300	3,000 (118.1)	2,025 (79.7)	2,040 (80.3)	6	10	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	3,584 (7,902)	3,874 (8,541)	4,391 (9,681)	3,721 (8,202)	4,011 (8,842)	4,478 (9,872)		
	*V330	3,300 (129.9)	2,175 (85.6)	2,190 (86.2)	6	10	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	3,604 (7,945)	3,894 (8,585)	4,411 (9,725)	3,740 (8,246)	4,030 (8,885)	4,498 (9,916)		
2-Stage limited free lift	V350	3,500 (137.8)	2,275 (89.6)	2,290 (90.2)	6	10	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	3,621 (7,983)	3,911 (8,622)	4,429 (9,765)	3,757 (8,283)	4,047 (8,922)	4,516 (9,955)		
	V370	3,700 (145.7)	2,425 (95.5)	2,440 (96.1)	6	10	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	3,643 (8,031)	3,933 (8,671)	4,452 (9,815)	3,779 (8,332)	4,069 (8,971)	4,539 (10,006)		
	V400	4,000 (157.4)	2,575 (101.4)	2,590 (102.0)	6	10	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,475 (5,000)	2,950 (5,950)	2,000 (4,000)	2,500 (5,000)	2,975 (6,000)	3,673 (8,097)	3,963 (8,737)	4,483 (9,883)	3,809 (8,398)	4,099 (9,037)	4,570 (10,074)		
	V430	4,300 (169.3)	2,725 (107.3)	2,740 (107.9)	6	6	2,000 (4,000)	2,450 (5,000)	2,925 (5,950)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	1,950 (4,000)	2,400 (4,960)	2,875 (5,840)	2,000 (4,000)	2,450 (5,000)	2,925 (5,950)	3,725 (8,212)	4,015 (8,851)	4,536 (9,999)	3,861 (8,512)	4,151 (9,151)	4,622 (10,190)		
	V450	4,500 (177.2)	2,875 (113.2)	2,890 (113.8)	6	6	2,000 (4,000)	2,400 (4,900)	2,875 (5,840)	2,000 (4,000)	2,475 (5,070)	2,950 (6,000)	1,930 (4,000)	2,350 (4,850)	2,825 (5,730)	2,000 (4,000)	2,400 (4,960)	2,875 (5,840)	3,747 (8,260)	4,037 (8,899)	4,558 (10,049)	3,883 (8,560)	4,173 (9,200)	4,645 (10,240)		
	V470	4,700 (185.0)	2,975 (117.1)	2,990 (117.7)	6	6	2,000 (4,000)	2,350 (4,850)	2,825 (5,730)	2,000 (4,000)	2,450 (4,960)	2,900 (5,890)	1,900 (4,000)	2,325 (4,790)	2,750 (5,620)	2,000 (4,000)	2,375 (4,900)	2,825 (5,780)	3,761 (8,292)	4,051 (8,931)	4,573 (10,082)	3,897 (8,592)	4,187 (9,231)	4,660 (10,273)		
	V500	5,000 (196.9)	3,125 (123.0)	3,140 (123.6)	6	6	1,970 (4,000)	2,300 (4,740)	2,775 (5,620)	2,000 (4,000)	2,400 (4,850)	2,850 (5,780)	1,850 (3,960)	2,275 (4,680)	2,700 (5,510)	1,950 (4,000)	2,350 (4,790)	2,775 (5,620)	3,783 (8,340)	4,073 (8,980)	4,596 (10,133)	3,919 (8,641)	4,209 (9,280)	4,683 (10,324)		
2-Stage full free lift	VF290	2,900 (115.4)	2,025 (79.7)	2,040 (80.3)	6	6	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	3,630 (8,003)	3,920 (8,643)	4,431 (9,770)	3,767 (8,305)	4,057 (8,945)	4,518 (9,960)		
Tull free lift	VF320	3,200 (127.2)	2,175 (85.6)	2,190 (86.2)	6	6	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	3,664 (8,077)	3,954 (8,716)	4,467 (9,847)	3,801 (8,379)	4,091 (9,018)	4,553 (10,037)		
	TF370	3,700 (145.7)	1,825 (71.9)	1,840 (72.4)	6	6	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,500 (5,000)	3,000 (6,000)	2,000 (4,000)	2,450 (5,000)	2,900 (5,950)	2,000 (4,000)	2,500 (5,000)	2,950 (6,000)	3,721 (8,203)	4,011 (8,842)	4,541 (10,011)	3,858 (8,505)	4,148 (9,144)	4,627 (10,201)		
	TF400	4,000 (157.4)	1,925 (75.8)	1,940 (76.4)	6	6	2,000 (4,000)	2,450 (5,000)	2,900 (5,890)	2,000 (4,000)	2,500 (5,000)	2,975 (6,000)	1,950 (4,000)	2,400 (4,960)	2,850 (5,780)	2,000 (4,000)	2,450 (5,000)	2,900 (5,890)	3,745 (8,256)	4,035 (8,895)	4,565 (10,065)	3,882 (8,558)	4,172 (9,197)	4,651 (10,254)		
	TF430	4,300 (169.3)	2,025 (79.7)	2,040 (80.3)	6	ь	2,000 (4,000)	2,375 (4,900)	2,850 (5,780)	2,000 (4,000)	2,450 (5,000)	2,900 (5,950)	1,900 (4,000)	2,350 (4,850)	2,775 (5,670)	2,000 (4,000)	2,400 (4,900)	2,825 (5,780)	3,763 (8,295)	4,053 (8,935)	4,587 (10,113)	3,900 (8,597)	4,190 (9,237)	4,673 (10,303)		
	TF450	4,500 (177.2)	2,125 (83.7)	2,140 (84.3)	6	6	2,000 (4,000)	2,350 (4,790)	2,800 (5,670)	2,000 (4,000)	2,425 (4,900)	2,850 (5,840)	1,875 (4,000)	2,325 (4,740)	2,725 (5,560)	1,950 (4,000)	2,350 (4,850)	2,775 (5,670)	3,785 (8,344)	4,075 (8,983)	4,613 (10,169)	3,922 (8,646)	4,212 (9,285)	4,699 (10,359)		
3-Stage full free lift	TF470 TF500	4,700 (185.0) 5.000 (196.9)	2,175 (85.6)	2,190 (86.2) 2.290 (90.2)	6	6	1,950 (4,000)	2,300 (4,740) 2,250 (4,630)	2,775 (5,560) 2,700 (5,450)	2,000 (4,000) 1.950 (4,000)	2,375 (4,850) 2,325 (4,740)	2,825 (5,730) 2,750 (5,620)	1,850 (3,960)	2,275 (4,680) 2,200 (4,570)	2,675 (5,510) 2,600 (5,340)	1,925 (4,000)	2,300 (4,740) 2,275 (4,630)	2,725 (5,620) 2,675 (5,510)	3,798 (8,373)	4,088 (9,013) 4,110 (9,062)	4,627 (10,201) 4,649 (10,250)	3,935 (8,675)	4,225 (9,315) 4,247 (9,364)	4,713 (10,390) 4,735 (10,440)		
		.,,	7 -115	7	6	6	7.554.75	7 (7)	7.555.5	,,	7-17-0	7 23 25 25	7	7 177	7	7 1.7	7 347333	2,575 (5,290)	37 313 3	4,110 (9,062)	7		7 (3)			
	TF550 TF600	5,500 (216.5) 6.000 (236.2)	2,475 (97.4) 2,675 (105.3)	2,490 (98.0) 2.690 (105.9)	0	6	1,825 (3,740)	1,600 (3,960)	2,600 (5,340) 1,450 (3,850)	1,875 (3,850) 1,825 (3,630)	2,250 (4,570) 2,150 (4,400)	2,650 (5,400) 2,550 (5,230)	1,725 (3,690)	1,700 (3,850) 1.150 (2.640)	2,525 (5,180) 1,750 (4,290)	1,825 (3,740)	2,200 (4,460)	2,475 (5,290)	3,860 (8,509) 3,924 (8,651)	4,150 (9,148)	4,694 (10,347) 4,763 (10,501)	3,997 (8,811) 4.061 (8.953)	4,287 (9,450) 4,351 (9,593)	4,780 (10,537) 4,849 (10,691)		
	TF650	6,500 (255.9)	2,875 (113.2)	2,890 (103.9)	0	3	1,330 (3,230)	1,100 (2,640)	1,400 (3,800)	1,823 (3,830)	2,150 (4,400)	2,330 (3,230)	1,400 (3,230)	1,100 (2,640)	7	1,775 (3,380)	2,100 (4,290)		3. 137	4,214 (9,291)	,,,	4,001 (8,933)	4,331 (9,393)	4,849 (10,091)		
		.,	7 -1 - 7	7.555	3	-	7	,,	7	7 1.7 1	7	7 23 25	7.554.5	,,	1,700 (4,070)	7	,	2,375 (4,900)	3,971 (8,754)	7 - 17 - 7	4,814 (10,613)	7 1.5	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	TF700	7,000 (275.6)	3,075 (121.1)	3,090 (121.7)	3	3	1,000 (2,640)	900 (2,200)	1,200 (3,300)	1,650 (3,300)	2,000 (4,070)	2,375 (4,850)	1,100 (2,640)	900 (2,090)	1,450 (3,740)	1,600 (3,300)	1,950 (3,960)	2,275 (4,740)	4,009 (8,838)	4,299 (9,478)	4,858 (10,710)	4,146 (9,140)	4,436 (9,780)	4,944 (10,899)		

Mast	Type	Maximum Fork Height	Overall Height Lowered				w / o side shift n(24 in)LC	Truck Weight Unload				
muot	. , , p o	mm(in)	mm(in)	de	eg	Single Tire (kg / lb)	Double Tire (kg / lb)	Single Tire (kg / lb)	Double Tire (kg / lb)	Single Tire (kg / lb)	Double Tire (kg / lb)	
		33D-7	33D-7	Fwd	Bwd	33D-7	33D-7	33D-7	33D-7	33D-7	33D-7	
	V290	2,900 (115.4)	2,040 (80.3)	6	10	3,300 (6,500)	3,300 (6,500)	3,300 (6,500)	3,300 (6,500)	4,799 (10,580)	4,890 (10,781)	
	*V320	3,200 (127.2)	2,190 (86.2)	6	10	3,300 (6,500)	3,300 (6,500)	3,300 (6,500)	3,300 (6,500)	4,823 (10,632)	4,914 (10,833)	
	V340	3,400 (133.9)	2,290 (90.2)	6	10	3,300 (6,500)	3,300 (6,500)	3,300 (6,500)	3,300 (6,500)	4,839 (10,667)	4,930 (10,868)	
2-Stage	V360	3,600 (141.7)	2,440 (96.1)	6	10	3,300 (6,500)	3,300 (6,500)	3,300 (6,500)	3,300 (6,500)	4,862 (10,720)	4,953 (10,920)	
limited	V390	3,900 (153.5)	2,590 (102.0)	6	10	3,300 (6,500)	3,300 (6,500)	3,300 (6,500)	3,300 (6,500)	4,894 (10,790)	4,985 (10,991)	
free lift	V420	4,200 (165.4)	2,740 (107.9)	6	6	3,300 (6,500)	3,300 (6,500)	3,275 (6,500)	3,300 (6,500)	4,948 (10,908)	5,039 (11,109)	
	V440	4,400 (173.2)	2,890 (113.8)	6	6	3,275 (6,500)	3,300 (6,500)	3,200 (6,500)	3,300 (6,500)	4,972 (10,960)	5,063 (11,161)	
	V460	4,600 (181.1)	2,990 (117.7)	6	6	3,225 (6,500)	3,300 (6,500)	3,150 (6,440)	3,250 (6,500)	4,987 (10,995)	5,078 (11,196)	
	V490	4,900 (192.9)	3,140 (123.6)	6	6	3,175 (6,440)	3,250 (6,500)	3,100 (6,330)	3,150 (6,500)	5,011 (11,048)	5,102 (11,248)	
2-Stage	VF290	2,900 (115.4)	2,090 (82.3)	6	6	3,300 (6,500)	3,300 (6,500)	3,300 (6,500)	3,300 (6,500)	4,837 (10,664)	4,928 (10,865)	
full free lift	VF320	3,200 (127.2)	2,240 (88.2)	6	6	3,300 (6,500)	3,300 (6,500)	3,300 (6,500)	3,300 (6,500)	4,873 (10,742)	4,964 (10,943)	
	TF370	3,700 (145.7)	1,890 (74.4)	6	6	3,300 (6,500)	3,300 (6,500)	3,300 (6,500)	3,300 (6,500)	4,980 (10,978)	5,071 (11,179)	
	TF400	4,000 (157.4)	1,990 (78.3)	6	6	3,275 (6,500)	3,300 (6,500)	3,200 (6,500)	3,300 (6,500)	5,002 (11,027)	5,093 (11,228)	
	TF430	4,300 (169.3)	2,090 (82.3)	6	6	3,200 (6,500)	3,300 (6,500)	3,150 (6,390)	3,225 (6,500)	5,023 (11,073)	5,114 (11,274)	
	TF450	4,500 (177.2)	2,190 (86.2)	6	6	3,150 (6,440)	3,250 (6,500)	3,075 (6,280)	3,175 (6,500)	5,045 (11,121)	5,136 (11,322)	
3-Stage	TF470	4,700 (185.0)	2,240 (88.2)	6	6	3,100 (6,330)	3,200 (6,500)	3,025 (6,220)	3,125 (6,390)	5,058 (11,151)	5,149 (11,351)	
full free lift	TF500	5,000 (196.9)	2,340 (92.1)	6	6	3,050 (6,220)	3,125 (6,390)	2,950 (6,110)	3,050 (6,280)	5,081 (11,200)	5,172 (11,401)	
	TF550	5,500 (216.9)	2,540 (100)	6	6	1,950 (5,180)	3,000 (6,170)	2,450 (6,000)	2,925 (6,000)	5,124 (11,297)	5,215 (11,498)	
	TF600	5,000 (236.2)	2,740 (107.9)	6	6	1,100 (2,640)	2,900 (5,950)	1,450 (3,520)	2,825 (5,780)	5,197 (11,457)	5,288 (11,657)	
	TF650	6,500 (255.9)	2,940 (115.7)	3	3	1,000 (2,420)	2,800 (5,730)	1,400 (3,300)	2,700 (5,620)	5,246 (11,564)	5,337 (11,765)	
	TF700	7,000 (275.6)	3,140 (123.6)	3	3	800 (1,650)	2,700 (5,510)	1,000 (2,640)	2,600 (5,400)	5,286 (11,653)	5,377 (11,854)	

\* Standard

