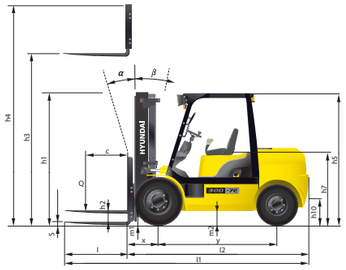
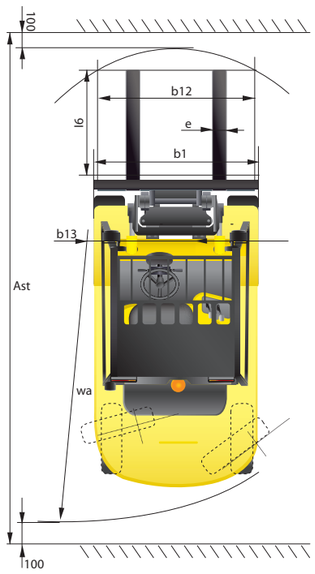
Dimension





Specification

Identification						
1.1	Manufacturer		Hyundai	Hyundai	Hyundai	Hyundai
1.2	Manufacturer's type designation		20D-7E	25D-7E	30D-7E	33D-7E
1.3	Drive: electric (battery or mains),diesel,petrol,fuel gas,manual		DIESEL	DIESEL	DIESEL	DIESEL
1.4	Type of operation:hand,pedestrian,standing,seated,order-picker		seated	seated	seated	seated
1.5	Load capacity / rated load	kg	2,000	2,500	3,000	3,300
1.6	Load center distance	c mm	500	500	500	500
1.8	Load distance, center of drive axle to fork	x mm	468	468	468	468
1.9	Wheelbase	y mm	1,650	1,650	1,700	1,700
Weights						
2.1	Service weight	kg	3,604	3,894	4,411	4,823
2.2	Axle loading, loaded front/rear	kg	4,847 / 757	5,579 / 815	6,450 / 961	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
Wheels, Chassis						
3.1	Tires:solid rubber, superelastic, pneumatic, polyurethane		pneumatic	pneumatic	pneumatic	pneumatic
3.2	Tires size, front(Φ x width)		7.00-12-12PR	7.00-12-12PR	28x9-15-14PR	28x9-15-14PR
3.3	Tires size, rear(Φ 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	965	965	1,005	1,005
3.7	Track width, rear	mm	980	980	980	980
Basic Dimensions						
4.1	Mast / fork carriage tilt forward / backward(α/β)	degrees	6 / 10	6 / 10	6 / 10	6 / 10
4.2	Lowered mast height	h1 (mm)	2,175	2,175	2,190	2,190
4.3	Free lift	h2 (mm)	155	155	155	155
4.4	Lift height	h3 (mm)	3,300	3,300	3,300	3,200
4.5	Extended mast height	h4 (mm)	4,485	4,485	4,485	4,385
4.7	Overhead load guard (cab) height	h5 (mm)	2,160	2,160	2,180	2,180
4.8	Seat height / standing height	h7 (mm)	1,110	1,110	1,130	1,130
4.12	Coupling height	h10 (mm)	293	283	299	299
4.19	Overall length	l1 (mm)	3,577	3,632	3,738	3,806
4.20	Length to face of forks	l2 (mm)	2,534	2,589	2,659	2,760
4.21	Overall width	b1 (mm)	1,160	1,160	1,230	1,230
4.22	Fork dimensions(hook type)	l / e / s (mm)	1,050x100x45	1,050x100x45	1,050x122x45	1,050x122x45
4.23	Fork carriage ISO 2328, class / type A,B		2A	2A	3A	3A
4.24	Fork-carriage width	b12 (mm)	1,102	1,102	1,102	1,102
4.31	Ground clearance, loaded, under mast	m1(mm)	130	130	145	145
4.32	Ground clearance, centre of wheelbase	m2(mm)	171	171	189	189
4.33	Aisle width for pallets 1,000x1,200 crossways(L xW)	Ast(mm)	3,920	3,968	4,061	4,123
4.34	Aisle width for pallets 800x1,200 lengthways(W xL)	Ast(mm)	4,120	4,168	4,261	4,323
4.35	Turning radius	Wa(mm)	2,252	2,300	2,393	2,455
4.36	Smallest pivot point distance	b13(mm)	698	698	731	731
Performance Data						
5.1	Travel speed, unloaded	km/h	18.8	18.8	19.7	19.7
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	2,519	2,541	2,415	2,428
5.7	Gradient performance, loaded/ unloaded	%	43.1 / 24.9	37.3 / 22.2	29.9 / 21.0	27.6 / 19.6
5.9	Acceleration time, loaded/ unloaded(10m)	sec	NA	NA	NA	NA
5.10	Service brake		FOOT	FOOT	FOOT	FOOT
Engine						
6.1	Engine manufacturer / type		KUBOTA V3600	KUBOTA V3600	KUBOTA V3600	KUBOTA V3600
6.2	Engine power acc. to ISO 1585	kW	48	48	48	48
6.3	Rated speed	1/min	2,300	2,300	2,300	2,300
6.4	No. of cylinder / cubic capacity	anz/cm³	4 / 3,620	4 / 3,620	4 / 3,620	4 / 3,620
6.5	Fuel consumption acc. To VDI cycle	ℓ /h	2.1	2.2	2.5	2.8
Other Details						
8.1	Type of drive control		power shift	power shift	power shift	power shift
8.2	Operating pressure (system / attach)	bar	205 / 170	205 / 170	205 / 170	205 / 170
8.3	Oil volume	ℓ	30	30	30	30
8.4	Noise	db(A)	80	80	80	80

■ Contact your Hyundai dealer for more information. The machine shown may vary according to International standards.

HYUNDAI
HEAVY INDUSTRIES CO.,LTD.

ООО "ЮЖУРАЛПОГРУЗЧИК"
454085, РФ, г. Челябинск, ул.
Танкистов, 179 корпус Б
Тел/факс: 8-351- 270-20-55, 755-52-70
2702055@mail.ru
www.uralforklift.ru

■ Some of the photos may include optional equipment

We build a better future

HYUNDAI DIESEL FORK LIFT TRUCKS Environmentally - Friendly

20D/25D/30D/33D-7E

HYUNDAI
HEAVY INDUSTRIES CO.,LTD.

20D/25D/30D/33D -7E

New criterion of Forklift Trucks

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

■ Some of the photos may include optional equipment.

High Power & Performance

Powerful Engine

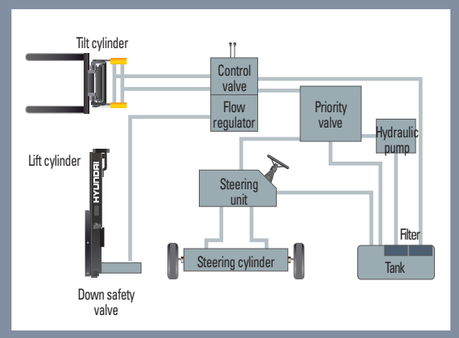
KUBOTA V3600 Engine

Market approved quality of Kubota V3600 engine ensures incomparable performance, durability and additional value to the machine. 48kW of the engine is more than enough to suit any work, not just with normal 48kW but with special attachments requiring high power as well.(EPA Int.Tier-4 / EU Stage ⅢA Certified)

48kW/ 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.



The new master on the job-site!

Smooth running, efficient and ergonomically designed, 20/25/30/33D-7E series are made to meet your needs.

■ Some of the photos may include optional equipment.

Fast and stable performance

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.

Faster travel speed & gradeability

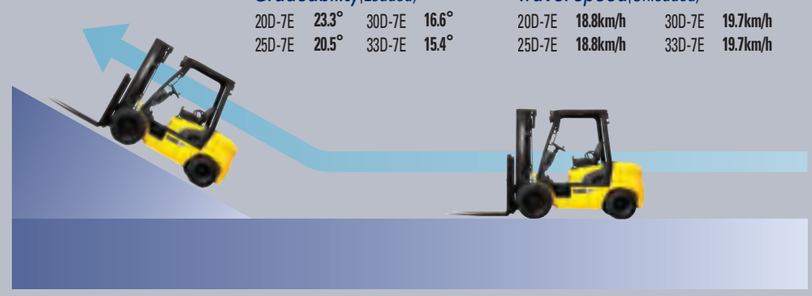
The powerful high-output engine provides greater acceleration, better gradeability and faster travel speed on any tough terrain or slope.

Gradeability(Loaded)

20D-7E	23.3°	30D-7E	16.6°
25D-7E	20.5°	33D-7E	15.4°

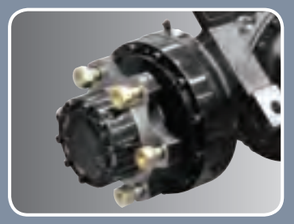
Travel speed(Unloaded)

20D-7E	18.8km/h	30D-7E	19.7km/h
25D-7E	18.8km/h	33D-7E	19.7km/h



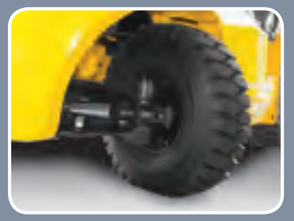
Increased mast tilting angle

The mast tilting angle of 8 degrees forward and 10 degrees backward, the operator can safely and rapidly perform loading and unloading jobs.



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 always guarantees smooth and flexible steering, preventing overrun and 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 normal position.(Option)

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.

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 designed with the operator in mind!

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

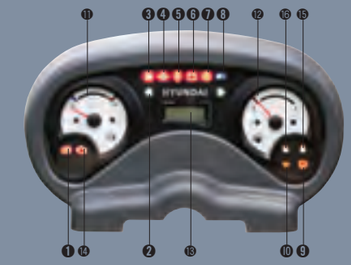
■ Some of the photos may include optional equipment.

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 mast.

Operator friendly gauges and water-resistant monitor panel



1. Parking brake lamp
2. Directional indicators
3. Fuel warning lamp
4. Engine oil warning lamp
5. Transmission oil temperature warning lamp
6. Battery charging warning lamp
7. Air cleaner filter warning light
8. Working light indicator
9. Water separator lamp
10. Pre-heater indicator
11. Water temperature gauge
12. Fuel gauge
13. Hour meter
14. Engine check lamp
15. Seat belt warning
16. 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 overhead guard 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.

Endurance & Safety

Strong overhead guard
The safety overhead guard exceeds 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.

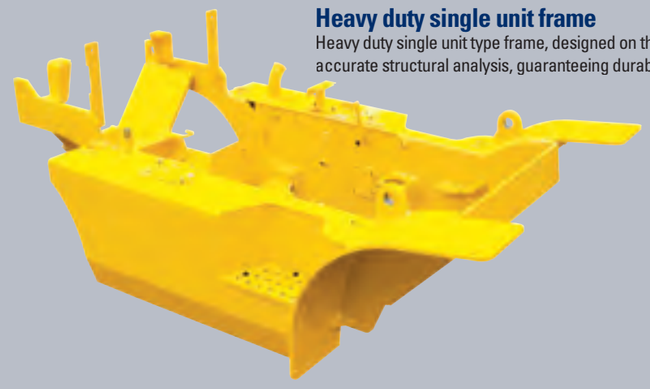
Highly durable split type drive axle
Powershift transmission provides fast travel speed and quiet travel under any heavy load condition, and boosts work efficiency.

Enhanced safety through high durability!

Safety and durability are priorities in the design of the equipment.

■ Some of the photos may include optional equipment.

Large footboard & hand grip
Wide"open"step offers convenience and safety when entering and exiting truck.

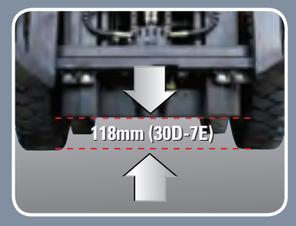


Heavy duty single unit frame
Heavy duty single unit type frame, designed on the basis of accurate structural analysis, guaranteeing durability and safety.

Easy access of electrical Components
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.

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

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.

Battery master switch

Hydraulic oil check

Automatic self locking gas spring
Engine compartment hood is held safely open by a self locking gas spring.

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

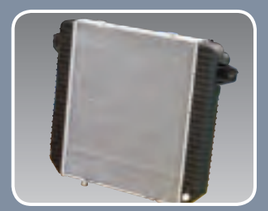
■ Some of the photos may include optional equipment.

Large open engine hood
Highly accessible engine compartment assures fast and efficient maintenance.

Easy Maintenance oil check

Portable side cover

Double battery installation



Aluminum radiator with superb protection against heat

Engine oil condition check

Durability Easy Maintenance

Mast Specification (20D/25D/30D-7E)

Mast Type		Maximum Fork Height (mm)	Overall Height Lowered (mm)		Free Lift Height				Tilt Angle		Load capacity w / o integral side shift at 500 mm LC						Load capacity w / integral side shift at 500 mm LC						Truck Weight Unload					
					With bkr(mm)		With / o bkr(mm)		deg		Single Tire (kg)			Double Tire (kg)			Single Tire (kg)			Double Tire (kg)			Single Tire (kg)			Double Tire (kg)		
		20/25/30D-7E	20/25D-7E	30D-7E	20/25D-7E	30D-7E	20/25D-7E	30D-7E	Fwd	Bwd	20D-7E	25D-7E	30D-7E	20D-7E	25D-7E	30D-7E	20D-7E	25D-7E	30D-7E	20D-7E	25D-7E	30D-7E	20D-7E	25D-7E	30D-7E	20D-7E	25D-7E	30D-7E
2-Stage limited free lift	V300	3,000	2,025	2,040	155	155	155	155	6	10	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	3,552	3,842	4,359	3,689	3,979	4,446
	*V330	3,300	2,175	2,190	155	155	155	155	6	10	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	3,572	3,862	4,379	3,708	3,998	4,466
	V350	3,500	2,275	2,290	155	155	155	155	6	10	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	3,589	3,879	4,397	3,725	4,015	4,484
	V370	3,700	2,425	2,440	155	155	155	155	6	10	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	3,611	3,901	4,420	3,747	4,037	4,507
	V400	4,000	2,575	2,590	155	155	155	155	6	10	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,475	2,950	2,000	2,500	2,975	3,641	3,931	4,451	3,777	4,067	4,538
	V430	4,300	2,725	2,740	155	155	155	155	6	6	2,000	2,450	2,925	2,000	2,500	3,000	1,950	2,400	2,875	2,000	2,450	2,925	3,693	3,983	4,504	3,829	4,119	4,590
	V450	4,500	2,875	2,890	155	155	155	155	6	6	2,000	2,400	2,875	2,000	2,475	2,950	1,930	2,350	2,825	2,000	2,400	2,875	3,715	4,005	4,526	3,851	4,141	4,613
	V470	4,700	2,975	2,990	155	155	155	155	6	6	2,000	2,350	2,825	2,000	2,450	2,900	1,900	2,325	2,750	2,000	2,375	2,825	3,729	4,019	4,541	3,865	4,155	4,628
	V500	5,000	3,125	3,140	155	155	155	155	6	6	1,970	2,300	2,775	2,000	2,400	2,850	1,850	2,275	2,700	1,950	2,350	2,775	3,751	4,041	4,564	3,887	4,177	4,651
2-Stage full free lift	VF290	2,900	2,025	2,040	845	860	1,377	1,314	6	6	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	3,598	3,888	4,399	3,735	4,025	4,486
	VF320	3,200	2,175	2,190	995	1,010	1,527	1,464	6	6	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,500	3,000	3,632	3,922	4,435	3,769	4,059	4,521
3-Stage full free lift	TF370/TS370	3,700	1,825	1,840	645	660	1,177	1,114	6	6	2,000	2,500	3,000	2,000	2,500	3,000	2,000	2,450	2,900	2,000	2,500	2,950	3,689	3,979	4,509	3,826	4,116	4,595
	TF400/TS400	4,000	1,925	1,940	745	760	1,277	1,214	6	6	2,000	2,450	2,900	2,000	2,500	2,975	1,950	2,400	2,850	2,000	2,450	2,900	3,713	4,003	4,533	3,850	4,140	4,619
	TF430/TS430	4,300	2,025	2,040	845	860	1,377	1,314	6	6	2,000	2,375	2,850	2,000	2,450	2,900	1,900	2,350	2,775	2,000	2,400	2,825	3,731	4,021	4,555	3,868	4,158	4,641
	TF450/TS450	4,500	2,125	2,140	945	960	1,477	1,414	6	6	2,000	2,350	2,800	2,000	2,425	2,850	1,875	2,325	2,725	1,950	2,350	2,775	3,753	4,043	4,581	3,890	4,180	4,667
	TF470/TS470	4,700	2,175	2,190	995	1,010	1,527	1,464	6	6	1,950	2,300	2,775	2,000	2,375	2,825	1,850	2,275	2,675	1,925	2,300	2,725	3,766	4,056	4,595	3,903	4,193	4,681
	TF500/TS500	5,000	2,275	2,290	1,095	1,110	1,627	1,564	6	6	1,900	2,250	2,700	1,950	2,325	2,750	1,800	2,200	2,600	1,900	2,275	2,675	3,788	4,078	4,617	3,925	4,215	4,703
	TF550/TS550	5,500	2,475	2,490	1,295	1,310	1,827	1,764	6	6	1,825	1,800	2,600	1,875	2,250	2,650	1,725	1,700	2,525	1,825	2,200	2,575	3,828	4,118	4,662	3,965	4,255	4,748
	TF600/TS600	6,000	2,675	2,690	1,495	1,510	2,027	1,964	6	6	1,500	1,250	1,900	1,825	2,150	2,550	1,400	1,150	1,750	1,775	2,100	2,475	3,892	4,182	4,731	4,029	4,319	4,817
4-Stage full free lift	QF610	6,115	2,177	2,175	997	955	1,512	1,449	3	3	1,550	1,650	1,870	1,580	1,910	2,400	1,485	1,585	1,770	1,515	1,845	2,300	4,134	4,424	4,911	4,272	4,562	4,987
	QF660	6,615	2,377	2,375	1,197	1,195	1,712	1,649	3	3	1,450	1,550	1,750	1,490	1,820	2,280	1,385	1,685	1,650	1,425	1,360	2,180	4,194	4,484	4,971	4,332	4,622	5,047
	QF700	7,015	2,477	2,475	1,297	1,295	1,812	1,749	3	3	1,240	1,300	1,450	1,400	1,720	2,170	1,175	1,110	1,350	1,335	1,270	2,070	4,224	4,515	5,001	4,363	4,653	5,078
	QF745	7,465	2,627	2,625	1,447	1,445	1,962	1,899	3	3	1,150	1,200	1,300	1,300	1,610	2,040	1,085	1,020	1,200	1,235	1,175	1,940	4,270	4,560	5,047	4,469	4,699	5,123
	QF790	7,915	2,777	2,775	1,597	1,595	2,112	2,049	3	3	700	750	800	900	1,000	1,200	635	570	700	835	770	1,100	4,370	4,661	5,147	4,509	4,799	5,224

※ TS-Mast : Wide Visible 3-Stage Full Free Lift Mast with 2 Free Lift Cylinders.

Mast Specification (33D-7E)

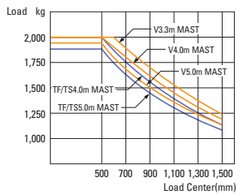
Mast Type		Maximum Fork Height (mm)	Overall Height Lowered (mm)	Free Lift Height		Tilt Angle		Load capacity w / o integral side shift at 500 mm LC		Load capacity w / integral side shift at 500 mm LC		Truck Weight Unload	
				With bkr(mm)	With / o bkr(mm)	deg		Single Tire (kg)	Double Tire (kg)	Single Tire (kg)	Double Tire (kg)	Single Tire (kg)	Double Tire (kg)
		33D-7E	33D-7E	33D-7E	33D-7E	Fwd	Bwd	33D-7E	33D-7E	33D-7E	33D-7E	33D-7E	33D-7E
2-Stage limited free lift	V290	2,900	2,040	155	155	6	10	3,300	3,300	3,300	3,300	4,767	4,858
	*V320	3,200	2,190	155	155	6	10	3,300	3,300	3,300	3,300	4,791	4,882
	V340	3,400	2,290	155	155	6	10	3,300	3,300	3,300	3,300	4,807	4,898
	V360	3,600	2,440	155	155	6	10	3,300	3,300	3,300	3,300	4,830	4,921
	V390	3,900	2,590	155	155	6	10	3,300	3,300	3,300	3,300	4,862	4,953
	V420	4,200	2,740	155	155	6	6	3,300	3,300	3,275	3,300	4,916	5,007
	V440	4,400	2,890	155	155	6	6	3,275	3,300	3,200	3,300	4,940	5,031
	V460	4,600	2,990	155	155	6	6	3,225	3,300	3,150	3,250	4,955	5,046
	V490	4,900	3,140	155	155	6	6	3,175	3,250	3,100	3,150	4,979	5,070
2-Stage full free lift	VF290	2,900	2,090	910	1,269	6	6	3,300	3,300	3,300	3,300	4,805	4,896
	VF320	3,200	2,240	1,060	1,419	6	6	3,300	3,300	3,300	3,300	4,841	4,932
3-Stage full free lift	TF370/TS370	3,700	1,890	710	1,069	6	6	3,300	3,300	3,300	3,300	4,948	5,039
	TF400/TS400	4,000	1,990	810	1,169	6	6	3,275	3,300	3,200	3,300	4,970	5,061
	TF430/TS430	4,300	2,090	910	1,269	6	6	3,200	3,300	3,150	3,225	4,991	5,082
	TF450/TS450	4,500	2,190	1,010	1,369	6	6	3,150	3,250	3,075	3,175	5,013	5,104
	TF470/TS470	4,700	2,240	1,060	1,419	6	6	3,100	3,200	3,025	3,125	5,026	5,117
	TF500/TS500	5,000	2,340	1,160	1,519	6	6	3,050	3,125	2,950	3,050	5,049	5,140
	TF550/TS550	5,500	2,540	1,360	1,719	6	6	2,700	3,000	2,450	2,925	5,092	5,183
	TF600/TS600	6,000	2,740	1,560	1,919	6	6	1,750	2,900	1,450	2,825	5,165	5,256
4-Stage full free lift	QF610	6,115	2,225	1,045	1,449	3	3	1,950	2,830	1,850	2,730	5,296	5,372
	QF660	6,615	2,425	1,245	1,649	3	3	1,850	2,700	1,750	2,600	5,356	5,433
	QF700	7,015	2,525	1,345	1,749	3	3	1,550	2,580	1,450	2,480	5,386	5,462
	QF745	7,465	2,675	1,495	1,899	3	3	1,000	2,440	900	2,340	5,428	5,505
	QF790	7,915	2,825	1,645	2,049	3	3	600	1,300	500	1,200	5,532	5,609

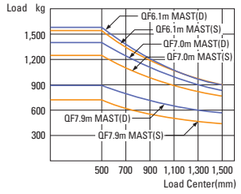
※ TS-Mast : Wide Visible 3-Stage Full Free Lift Mast with 2 Free Lift Cylinders.

* Standard

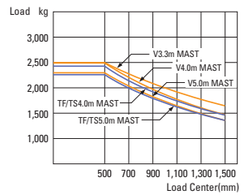
Load Capacity

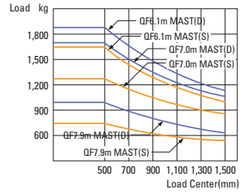
20D-7E



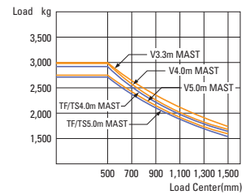


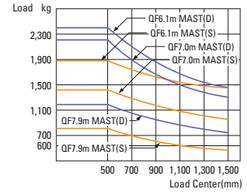
25D-7E



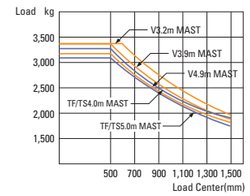


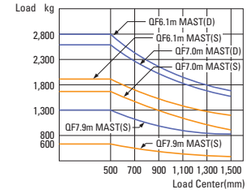
30D-7E





33D-7E





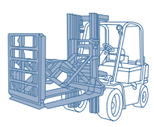
Various Attachments

Side Shift

Hinged Fork

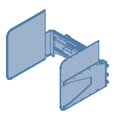
Hinged Bucket

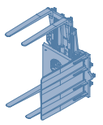
Rotating Fork

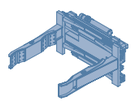

Push Pull

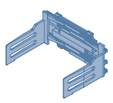
Rotating Roll Clamp

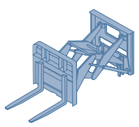
Load Stabilizer


Carton Clamp


Pallet Invert


Drum Clamp


Bale Clamp


Load Extender

Fork Positioner

Optional Items

- **Fork (LxWxT)(mm)**
  - **20D/25D-7E**
    - 900 X 100 X 45 1,000 X 100 X 45 1,050 X 100 X 45
    - 1,200 X 100 X 45 1,350 X 100 X 45 1,500 X 100 X 45
    - 1,650 X 100 X 45 1,800 X 100 X 45
  - **30D/33D-7E**
    - 900 X 125 X 45 1,150 X 125 X 45 1,050 X 125 X 45
    - 1,200 X 125 X 45 1,350 X 125 X 45 1,500 X 125 X 45
    - 1,650 X 125 X 45 1,800 X 125 X 45 2,400 X 125 X 45
- **Overshoe(mm)**
  - 1,300 / 1,500 / 1,700 / 1,800
- **Tilting** (6°/10°, 6°/6°, 3°/3°)
- **Sideshift**
- **Integral Sideshift**
- **Attach Piping** (3-Spool piping / 4-Spool piping)
- **Hose - Reel (VF)**
- **Fuel Cap** (Without key / With key)
- **Brake Pedal** (Hydraulic Booster)
- **Exhaust** (Horizental / Vertical)
- **Muffler** (Spark Arrester)
- **Seat** (Pocket, Arm rest, Hip rest)
- **Tire** (Cushion, No-Marking, Double)
- **Opss** (Travel / Travel + Mast)
- **MCV** (3-Spool / 4-Spool)
- **Master S/W**
- **Beacon Lamp**
- **Hazard S/W**
- **Work Lamp**
- **Cabin & Heater**