

TECHNICAL SPECIFICATIONS

	NO.	ITEM	UNIT	MODEL (DIESEL)		
				FD45	FD50	FD55
GENERAL	1	Power Type	-	Diseel		
	2	Load Capacity	lb	9,921 (10K)	11,023 (11K)	12,125 (12K)
	3	Load Center	in	24.0		
	4	Lift Height	in	118.0		
	5	Free Lift Height	in	6.5	6.5	6.5
	6	Fork Size (LxWxT)	in	48.0 x 5.9 x 2.0		
	7	Mast Tilt Angle (F / R)	deg	6° / 12°		
	8	Overall Length (Without Fork)	in	110.4	112.2	114.0
	9	Overall Width	in	47.6	49.2	50.4
	10	Overall Height (Mast Lowered)	in	86.2	86.6	87.4
	11	Service Weight	lb	28,160	30,580	33,040
WEIGHT	12	Axle Load (Full Load)	Front	lb	17,950	20,160
			Rear	lb	10,210	11,420
	13	Axle Load (No Load)	Front	lb	4,540	4,950
			Rear	lb	8,250	8,940
CHASSIS	14	Tire Type	-	Pneumatic Tire		
	15	Front Tire Size	-	8.25-15-16PR	8.25-15-16PR	8.25-15-16PR
	16	Rear Tire Size	-	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
	17	Wheelbase	in	69.3	70.9	72.2
	18	Tread (Front / Rear)	in	44.1 / 41.3	45.3 / 42.5	48.8 / 47.2
	19	Ground Clearance (Mast)	in	6.5	6.5	6.7
PERFORMANCE	20	Travel Speed (Full Load / No Load)	mph	6.5 / 6.2	6.2 / 6.2	5.8 / 6.1
	21	Lifting Speed (Full Load)	in/s	14.6	13.8	12.6
	22	Lowering Speed (Full Load)	in/s	14.6	13.8	12.6
	23	Max. Gradeability (Full Load)	%	20	20	20
ELECTRICAL SYSTEM	24	Battery	V / Ah	12 / 80		
	25	Alternator	V / A	12 / 70		
	26	Starter Motor	V / kW	12 / 3.2		
OTHER	27	Engine Model	-	ISUZU 6BG1		
	28	Rated Power	hp / rpm	82 / 2,000		
	29	Rated Torque	lb-ft / rpm	236 / 1,500		
	30	No. of Cylinders	-	6		
	31	Displacement	in³	394		
	32	Fuel Tank Capacity	gal	26.4		
	33	Transmission Type	-	Power Shift		
	34	Operating Pressure (Equipment)	psi	2,540		

Note: Specifications and design are subject to change without notice for improvement.



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F SERIES FORKLIFT TRUCK

CAPACITY 10K-12K LB DIESEL / GASOLINE / LPG

F Series forklift truck is a new generation of I.C. truck, with a novel model, exquisite appearance, comfortable operation, safe and reliable. It is an ideal equipment for loading, unloading and handling in ports, stations, warehouses and factories.



HIGH PERFORMANCE



Equipped Mitsubishi & Kubota engines, featuring low emissions, high performance and low noise.



Equipped with a high-speed ratio the integrated transmission to enhance driving speed and improve work efficiency.



The dual-pump flow merging system enhances work efficiency and reduces energy loss.



Multifunctional color display for real-time monitoring.



New-generation high-efficiency, energy-saving integrated LED lighting system.



Load sensing system enhances operating efficiency.



The integrated auxiliary turning cast steering axle increases axle strength by 30%, ensuring greater durability and reducing the turning radius.

SAFETY & RELIABILITY

- The stamped OHG offers increased durability and reliability.
- All key connectors and joints are waterproof.
- The OPS (optional) system effectively prevents unintended forklift startup.



HIGH PERFORMANCE

SUPERIOR ERGONOMICS



SAFETY & RELIABILITY

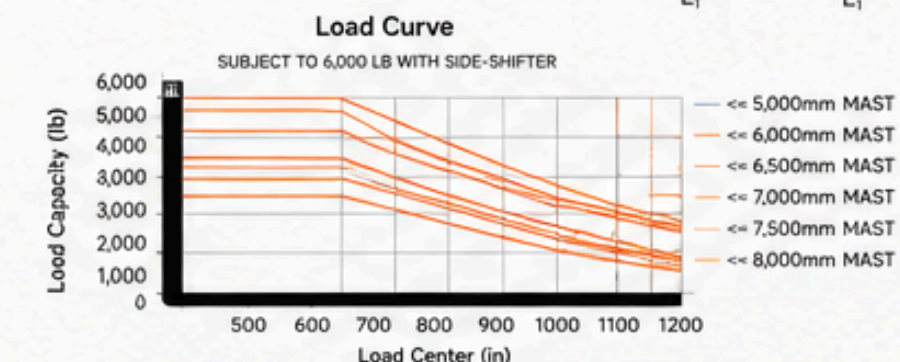
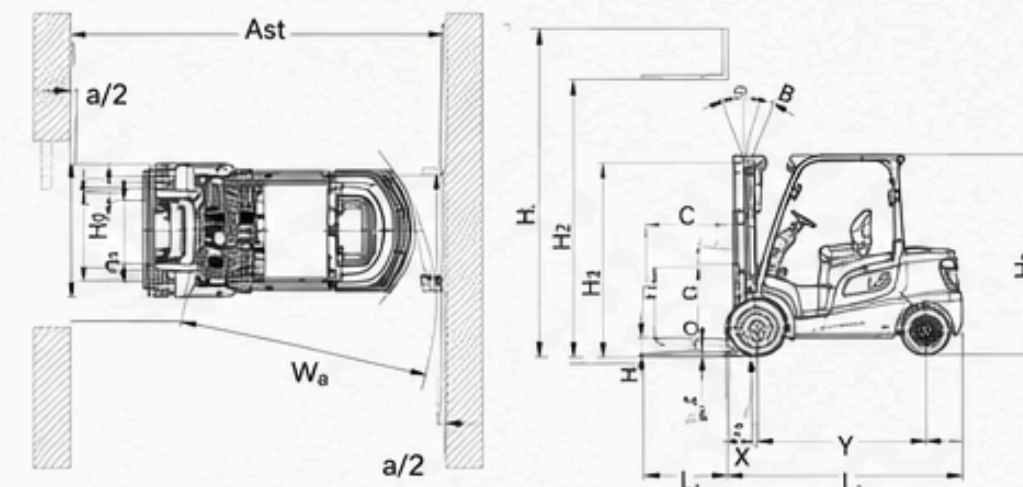
EASY MAINTENANCE

SUPERIOR ERGONOMICS

- The adjustable steering column equip with a small steering wheel for more effortless operation.
- The integrated wide-view mast provides a broader vision (Triplex Mast).
- The steering axle features rubber damping to absorb impacts and improve ride smoothness.
- Four shock-absorbing mounts are used to reduce overall vehicle vibration and enhance driving comfort.
- Enlarged operation space.
- The ratchet type handbrake, effectively reducing operating force.
- Suspended pedal-type braking system achieves smooth braking and reduce vibrations.



- Equipped with an armrest box featuring a document holder.



MAST SPECIFICATIONS & RATED CAPACITIES

Mast Type	Mast Model	Max. Lift Height (in)	Load Capacity (lb)			Overall Height (mast lowered)				Free Lift (in)	Tilt Angle		Total Weight (lb)	
			24 in	30 in	36 in	With Backrest	Without Backrest	With Backrest	Without Backrest		α	β		
2-Stage (M300)	M250	189	5,500	5,000	4,400	80.7	78.7	66.7	64.6	5.9	6/12	9,860	2,995	1,010
	M300	236	4,800	4,350	3,850	96.1	90.6	66.6	60.1	5.9	6/12	10,350	1,050	1,065
	M330	260	4,700	4,250	3,750	106.7	100.8	74.0	68.5	5.9	6/12	10,700	1,080	1,170
3-Stage (M500)	M350	276	4,600	4,150	3,650	112.6	102.4	74.4	67.2	5.9	6/12	11,455	1,090	1,210
	M370	291	4,250	3,850	3,400	116.5	106.5	78.3	71.3	5.9	6/12	11,820	1,110	1,240
	M400	315	4,050	3,650	3,200	124.5	114.2	78.3	69.6	5.9	6/12	12,650	1,115	1,300
	M560	354	3,800	3,400	2,900	135.8	125.6	97.6	82.7	5.9	6/12	13,730	1,325	1,360
	M525	394	3,600	3,200	2,750	157.6	137.4	97.6	87.6	5.9	6/12	15,300	1,325	1,435
3-Stage (M500)	T250	189	5,514	4,782	4,054	82.7	75.2	19.3	19.3	5.9	6/12	4,820	1,110	1,440
	T300	236	4,937	4,198	3,657	100.8	90.6	19.3	19.3	9.3	6/12	5,180	1,195	1,520
	T330	260	4,623	3,957	3,401	108.7	99.4	19.3	19.3	9.2	6/12	5,660	1,210	1,540
	T350	276	4,119	3,556	2,900	116.2	106.3	19.3	19.3	9.3	6/12	6,120	1,265	1,595
	T370	291	3,961	3,404	2,714	124.7	114.2	19.3	19.3	19.3	6/12	6,710	1,285	1,639
	T400	315	3,724	3,056	2,426	135.1	125.6	19.3	19.3	6/3	6/12	7,460	1,435	1,650
	T450	354	3,544	2,963	2,351	147.6	137.4	19.3	19.3	6/2	6/12	8,250	1,550	1,675
	TS00	394	3,409	2,806	2,225	153.6	137.4	19.3	19.3	19.3	6/12	8,980	1,660	1,730

Materials for double front wheels model.

EASY MAINTENANCE

- 80° engine hood opening angle.
- Pin-mounted front and rear floor plates.
- The rear counterweight cover provides easy access for radiator maintenance.
- Detachable left and right side panels.



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