8,000-9,000lb XF Series Mast:

Type	Model	Max. Fork Height	Overall height				Free Lift		Front Overhang	Tilt Range		Capacity			
			Lowered	Extended			Without Backrest	With Backrest		FWD	BWD	Load Capacity at 24in			
				Without Backrest	With Backrest							Single Tire		Dual Tire	
												8000lb	9000lb	8000lb	9000lb
		in	in	in	in		in	in	in	(°)	(°)	lb	lb	lb	lb
Limited Free Lift 2 Stage Mast	X45M250	98.4	78.5	131.1	144.5		6.3	6.3	21.7	6	12	8000	9000	8000	9000
	X45M270	106.3	82.5	139.0	152.4		6.3	6.3	21.7	6	12	8000	9000	8000	9000
	X45M300	118.1	88.4	150.8	164.2		6.3	6.3	21.7	6	12	8000	9000	8000	9000
	X45M330	129.9	94.3	162.6	176.0		6.3	6.3	21.7	6	12	8000	9000	8000	9000
	X45M350	137.8	98.2	170.5	183.9		6.3	6.3	21.7	6	12	8000	9000	8000	9000
	X45M360	141.7	100.2	174.4	187.8		6.3	6.3	21.7	6	12	8000	9000	8000	9000
	X45M370	145.7	102.2	178.3	191.7		6.3	6.3	21.7	6	12	8000	9000	8000	9000
	X45M380	149.6	104.1	182.3	195.7		6.3	6.3	21.7	6	12	8000	9000	8000	9000
	X45M400	157.5	110.0	190.2	203.5		6.3	6.3	21.7	6	12	8000	9000	8000	9000
	X45M430	169.3	116.5	202.0	215.4		6.3	6.3	21.7	6	6	8000	9000	8000	9000
	X45M450	177.2	120.9	209.8	223.2		6.3	6.3	21.7	6	6	8000	9000	8000	9000
	X45M480	189.0	127.4	221.7	235.0		6.3	6.3	21.7	6	6	7700	8600	7800	8800
	X45M500	196.9	131.7	229.5	242.9		6.3	6.3	21.7	6	6	7600	8000	7700	8400
	X45M550	216.5	142.5	249.2	262.6		6.3	6.3	21.7	3	6	6000	7000	6400	7600
	X45M600	236.2	153.3	268.9	282.3		6.3	6.3	21.7	3	6	5000	6000	5600	6200
Full Free Lift 2 Stage Mast	X45U250	98.4	77.8	132.5	144.5		43.9	31.9	21.9	6	12	8000	9000	8000	9000
	X45U275	108.3	82.7	142.3	154.3		48.7	36.7	21.9	6	12	8000	9000	8000	9000
	X45U300	118.1	87.6	152.2	164.2		53.7	41.5	21.9	6	12	8000	9000	8000	9000
	X45U330	129.9	93.5	164.0	176.0		59.6	47.4	21.9	6	12	8000	9000	8000	9000
	X45U350	137.8	97.5	171.9	183.9		63.5	51.5	21.9	6	12	8000	9000	8000	9000
	X45U360	141.7	99.4	175.8	187.8		65.5	53.5	21.9	6	12	8000	9000	8000	9000
	X45U370	145.7	101.4	179.7	191.7		67.5	55.5	21.9	6	12	8000	9000	8000	9000
Full Free Lift 3 Stage Mast	X45N400	157.5	81.9	190.9	203.5		48.4	35.9	23.7	6	6	8000	9000	8000	9000
	X45N430	169.3	85.8	203.0	215.4		52.3	39.8	23.7	6	6	8000	9000	8000	9000
	X45N450	177.2	88.5	211.2	223.8		54.9	42.5	23.7	6	6	7600	8800	8000	9000
	X45N470	185.0	90.9	218.5	231.1		57.4	45.0	23.7	6	6	7400	8600	7600	8800
	X45N480	189.0	92.1	222.4	235.0		58.6	46.1	23.7	6	6	7400	8400	7600	8600
	X45N500	196.9	94.9	230.5	242.9		61.4	48.9	23.7	6	6	7200	7600	7400	8400
	X45N550	216.5	101.4	250.2	262.6		67.9	55.4	23.7	3	6	6000	6800	6400	7600
	X45N600	236.2	109.8	270.3	282.7		76.3	63.9	23.7	3	6	5000	5600	5600	6200
	X45N650	255.9	117.3	290.0	302.4		83.8	71.3	23.7	3	6	/	/	4800	5000
	X45N700	275.6	124.2	309.4	321.9		90.7	78.3	23.7	3	6	/	/	4000	4400

With sideshifter, subtract 440lbs. With integral sideshifter, subtract 220lbs.

10,000-11,000lb XF Series Mast:

Type	Model	Max. Fork Height	Overall Height						Free Lift				Front Overhang (in)		Tilt Range		Capacity			
			Lowered (in)		Extended										FWD	BWD	Load Capacity at 24in			
					Without Backrest (in)		With Backrest (in)		Without Backrest (in)		With Backrest (in)						Single Tire		Dual Tire	
																	10000lb	11000lb	10000lb	11000lb
		in	10000lb	11000lb	10000lb	11000lb	10000lb	11000lb	10000lb	11000lb	10000lb	11000lb	10000lb	11000lb	(°)	(°)	lb	lb	lb	lb
Limited Free Lift 2 Stage Mast	XX50/XX55M250	98.4	78.5	88.4	131.1	140.9	152.4	153.5	6.3	6.7	6.3	6.7	21.9	23.0	6	12	10000	11000	10000	11000
	XX50/XX55M270	106.3	82.5	92.3	139.0	148.8	160.2	161.4	6.3	6.7	6.3	6.7	21.9	23.0	6	12	10000	11000	10000	11000
	XX50/XX55M300	118.1	88.4	98.2	150.8	160.6	172.0	173.2	6.3	6.7	6.3	6.7	21.9	23.0	6	12	10000	11000	10000	11000
	XX50/XX55M330	129.9	94.3	104.1	162.6	172.4	183.9	185.0	6.3	6.7	6.3	6.7	21.9	23.0	6	12	10000	11000	10000	11000
	XX50/XX55M350	137.8	98.2	108.1	170.5	180.3	191.7	192.9	6.3	6.7	6.3	6.7	21.9	23.0	6	12	10000	11000	10000	11000
	XX50/XX55M360	141.7	100.2	110.0	174.4	184.3	195.7	196.9	6.3	6.7	6.3	6.7	21.9	23.0	6	12	10000	11000	10000	11000
	XX50/XX55M370	145.7	102.2	112.0	178.3	188.2	199.6	200.8	6.3	6.7	6.3	6.7	21.9	23.0	6	12	10000	11000	10000	11000
	XX50/XX55M380	149.6	104.1	114.0	182.3	192.1	203.5	204.7	6.3	6.7	6.3	6.7	21.9	23.0	6	12	10000	11000	10000	11000
	XX50/XX55M400	157.5	110.0	117.9	190.2	200.0	211.4	212.6	6.3	6.7	6.3	6.7	21.9	23.0	6	12	10000	11000	10000	11000
	XX50/XX55M430	169.3	116.5	123.8	202.0	211.8	223.2	224.4	6.3	6.7	6.3	6.7	21.9	23.0	6	6	9500	10350	10000	10850
	XX50/XX55M450	177.2	120.9	127.8	209.8	219.7	231.1	232.3	6.3	6.7	6.3	6.7	21.9	23.0	6	6	9400	10050	9600	10450
	XX50/XX55M480	189.0	127.4	135.6	221.7	231.5	242.9	244.1	6.3	6.7	6.3	6.7	21.9	23.0	6	6	8800	9350	9200	9550
	XX50/XX55M500	196.9	131.7	140.2	229.5	239.4	250.8	252.0	6.3	6.7	6.3	6.7	21.9	23.0	6	6	8200	8850	8600	9250
	XX50/XX55M550	216.5	142.5	150.4	249.2	259.1	270.5	271.7	6.3	6.7	6.3	6.7	21.9	23.0	3	6	7200	8150	8000	8650
	XX50/XX55M600	236.2	153.3	160.8	268.9	278.7	290.2	291.3	6.3	6.7	6.3	6.7	21.9	23.0	3	6	6200	6300	6600	6750
Full Free Lift 2 Stage Mast	XX50/XX55U250	98.4	77.8	87.6	132.5	142.3	152.2	153.5	43.9	43.8	24.0	32.6	22.4	24.0	6	12	10000	11000	10000	11000
	XX50/XX55U275	108.3	82.7	92.5	142.3	152.2	162.0	163.4	48.7	48.7	28.9	37.5	22.4	24.0	6	12	10000	11000	10000	11000
	XX50/XX55U300	118.1	87.6	97.5	152.2	162.0	171.9	173.2	53.7	53.6	33.9	42.5	22.4	24.0	6	12	10000	11000	10000	11000
	XX50/XX55U330	129.9	93.5	103.4	164.0	173.8	183.7	185.0	59.6	59.5	39.8	48.4	22.4	24.0	6	12	10000	11000	10000	11000
	XX50/XX55U350	137.8	97.5	107.3	171.9	181.7	191.5	192.9	63.5	63.5	43.7	52.3	22.4	24.0	6	12	10000	11000	10000	11000
	XX50/XX55U360	141.7	99.4	109.3	175.8	185.6	195.5	196.9	65.5	65.4	45.7	54.3	22.4	24.0	6	12	10000	11000	10000	11000
	XX50/XX55U370	145.7	101.4	111.3	179.7	189.6	199.4	200.8	67.5	67.4	47.6	56.3	22.4	24.0	6	12	10000	11000	10000	11000
Full Free Lift 3 Stage Mast	XX50/XX55N400	157.5	81.9	90.7	191.3	201.2	211.2	212.6	48.1	47.0	28.1	35.8	24.2	25.4	6	6	10000	11000	10000	11000
	XX50/XX55N430	169.3	85.8	94.7	203.1	213.0	223.0	224.4	52.0	51.0	32.1	39.8	24.2	25.4	6	6	9450	10100	9650	10500
	XX50/XX55N450	177.2	88.5	97.2	211.4	220.9	231.5	232.3	54.7	53.5	34.8	42.3	24.2	25.4	6	6	9250	9600	9450	9900
	XX50/XX55N470	185.0	90.9	99.8	218.9	228.7	239.0	240.2	57.2	56.1	37.2	44.9	24.2	25.4	6	6	9050	9300	9250	9700
	XX50/XX55N480	189.0	92.1	101.2	222.8	232.7	242.9	244.1	58.3	57.5	38.4	46.3	24.2	25.4	6	6	8650	9000	9050	9400
	XX50/XX55N500	196.9	94.9	103.7	230.7	240.6	250.8	252.0	61.1	60.0	41.1	48.8	24.2	25.4	6	6	8050	8500	8550	9100
	XX50/XX55N550	216.5	101.4	110.4	250.4	260.2	270.5	271.7	67.6	66.7	47.6	55.5	24.2	25.4	3	6	7200	7750	8050	8300
	XX50/XX55N600	236.2	109.8	118.9	270.5	279.9	290.6	291.3	76.1	75.2	56.1	64.0	24.2	25.4	3	6	6000	6150	6400	6550
	XX50/XX55N650	255.9	117.3	126.0	290.2	299.6	310.2	311.0	83.6	82.3	63.6	71.1	24.2	25.4	3	6	/	/	5300	5850
	XX50/XX55N700	275.6	124.2	132.9	309.6	319.3	329.7	330.7	90.5	89.2	70.5	78.0	24.2	25.4	3	6	/	/	4750	5150

With sideshifter, subtract 440lbs. With integral sideshifter, subtract 220lbs.

MONTACARGAS REMMOSA SA DE CV

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San Lorenzo Tetlixtac, C.P. 55714,
Coacalco, Edo. Méx.

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XF Series Diesel / LPG Pneumatic Tire Forklifts

with capacities of 8,000 to 11,000lbs

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HANGCHA

Smart Simple Solid

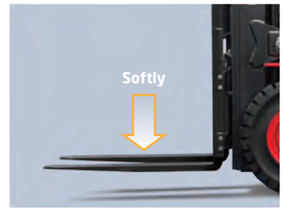
Over 40 years of building forklifts have culminated in the XF series from Hangcha Group. This experience, combined with the latest in forklift technology, the result is a line of forklifts that are efficient, environmentally conscious, comfortable, reliable, and safe. The XF Series represents the true do it all forklift from Hangcha Group.

Comfortable Operation

Optimal visibility in all directions creates the best conditions for relaxed and safe working. These conditions promote high productivity among the operators.

The foot space is now 90% wider to significantly reduce operator fatigue. The new wide, non-slip step makes getting in and out of the forklift safe and easy.

The easy-to-operate levers provide total load handling operation. The armrest is provided to reduce fatigue. The optional electro-hydraulic proportional control system gives the forklift the ability to make load handling more sensitive and precise.



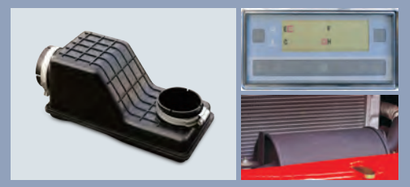
In addition to the soft landing system, the soft lifting system is adopted (front lifting cylinders of the full free-lift stage 2 & 3 masts). As a result, the noise and shock of the mast significantly decrease when lowering materials.

The front lifting cylinders were redesigned with a smaller outer diameter to give the operator superior forward visibility.

The double lifting cylinders also provide better forward visibility.

In developing the XF Series, comfort and ease of operation were carefully considered. For example, vibration levels were improved by adding compound engine dampers and full-floating powertrain mounts. Comfortable operating environments for operators also contribute to increased productivity.

The rubber damper between the frame and the steering axle, the compound engine damper, and the full floating powertrain achieve a flexible connection between the frame and the driving system. As a result, vibrations are significantly reduced to increase operator comfort.



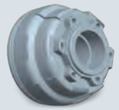
The increased capacity exhaust muffler, intake, and noise shield technology significantly lower the forklift's noise levels.

1. The new relocated, easy-to-see LCD insturment display lets the operator check on all aspects of operational status with a glance.
2. The new automobile-style light/turn-signal stalk and the forward-reverse lever are ergonomically designed and arranged to improve comfort and productivity.
3. The small diameter steering wheel, with tilt adjustment, provides an optimal driving position for the operator. The superior responsiveness of the steering wheel optimizes maneuverability even in narrow spaces.
4. The parking brake was developed to reduce the operational force by 30%.
5. The automobile-style suspended pedals provide a more ergonomic, operator-centered experience.

Reliability

By focusing on enhancing reliability and reducing downtime, the XF series is able to increase productivity for the end-users.

XF Series truck is equipped with the world renowned Okamura transmission. The brake drum and hub use a monolithic style construction.



XF series features a rugged design, stamped frame, and an engine hood. The stamped instrument panel, overhead guard, and heavy profile rail mast combine to provide excellent structural rigidity to ensure outstanding reliability and stability in heavy-duty conditions.

The forklifts are equipped with large capacity aluminum radiators. These radiators have optimized heat dissipation channels to enhance cooling capabilities. This keeps the engine running reliably in heavy-duty applications.

The steering axle uses a large-diameter steering cylinder to substantially increase the reliability and service life of the steering system.

Productivity

Dynamic load sensing hydraulic steering system, efficient LED lights, and lower fuel consumption combine to provide increased productivity and reduced operating costs.

The new dynamic load sensing hydraulic steering system improves hydraulic efficiency and reliability.

The new efficienct lighting system uses LED's and a new type of reflector to reduce energy consumption. This significantly improves illumination performance while also prolonging operation time.

Safety

A wide range of technology is applied to ensure absolute safety for both the operator and those in the vicinity.

An optional rear grip with a horn button enhances operational safety while traveling in reverse.

There is a locking mechanism found on the engine hood, damper, and parking brake for the operator's safety.

1. The Operator Presence Sensing (OPS) System incorporates a lifting, tilting, and traveling stop function. When the operator leaves the seat, the system automatically locks the lifting/tilting functions and disables the forklift from traveling to ensure safety.

2. The throttling device locks the mast in place if there is a hydraulic failure. This adds to the operational safety of the truck.

Easy Maintenance

The XF Series is designed to facilitate easy inspections and servicing.
Easy maintenance reduces the amount of downtime & cost of ownership.

The cover on the dash can be lifted to easily check the brake fluid.

The two-piece design makes the floorboard easy to lift and remove for access to the powertrain.

The easy-to-operate latch provides quick access to the engine compartment.

The radiator cover fasteners can be turned by hand easily to enable quick inspections or servicing.

The new controller is integrated into all of the electrical components. It also features excellent durability in harsh temperatures, water, and vibrations. This promotes reliability in the most demanding operations.

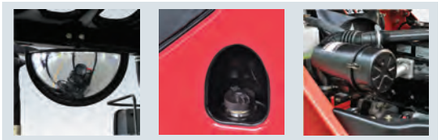
Standards

Transmission	Steering	Chassis	Control	Hydraulic
/ Okamura Transmission	/ Full Hydraulic Power Steering	/ Anti-Slip, Rubber Pedal	/ Power Steering	/ Dynamic Load Sensing Control Valve
/ Suspended Transmission	/ Smaller Diameter Steering Wheel	/ Engine Compartment Hood Strut	/ Suspension Pedal	/ Hydraulic Oil Filter
/ Oil Filter	/ Adjustable Steering Column		/ Integrated Combination Switch	/ Tilt Cylinder Self-Lock Valve
/ Dipstick			/ Parking Brake	/ Hydraulic Oil Dipstick
/ Oil Cooler				/ Dual Hydraulic Pump
/ Non-Asbestos Brake Pads				

Truck		Electronics		Mast
/ Traction Device	/ Counterweight Grill	/ LED Headlights	/ Water Temperature Gauge	/ Limited Free Lift 2 Stage Mast
/ Hand Grip	/ Fan Protector	/ LED Rear Lights	/ Pre-Heat Indicator	/ Standard Forks
/ Standard Seat	/ Large Capacity Aluminum Radiator	/ Maintenance-Free Battery	/ Charging Indicator	/ Standard Fork Carriage
/ Standard Overhead Guard	/ Pre-Cleaner	/ Combination Controller	/ Oil Pressure Warning	/ Standard Load Backrest
/ Waterproof Cover on the Guard	/ Highly Efficient Intake Muffler	/ LCD Display	/ Transmission Oil Pressure Warning	/ Mast Speed Limiting Valve
/ Rearview Mirror	/ Highly Efficient Exhaust Muffler	/ Neutual Switch	/ Horn	/ Loading Relief Valve
/ Air Pneumatic Tires	/ Counterweight Exhaust System	/ Hour Meter	/ Reversing Buzzer	/ Soft Landing System
/ Tilt Cylinder Cover	/ Overhead Exhaust System	/ Fuel Gauge	/ Operator Presence Sensing System (OPS)	/ Soft Lifting System
/ Tilt Cylinder Boot		/ Strobe Light		/ Sideshifter

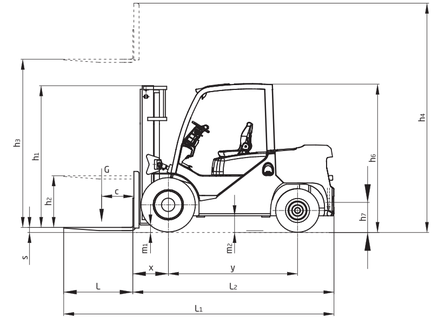
Options

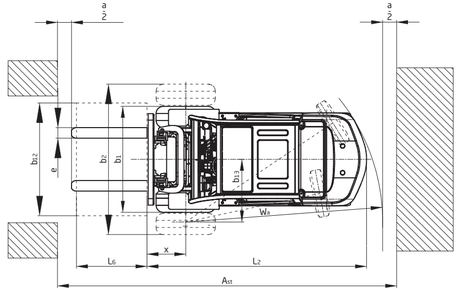
/ Full Cabin
/ Cabin Heater
/ Front Window
/ Solid Pneumatic Tires
/ Non-Marking Tires
/ Full Suspension Seat
/ Fire Extinguisher
/ Higher Overhead Gaurd
/ Rear Reverse Handle with Horn
/ Custom Paint Colors
/ Dual Front Wheels
/ Large Capacity Copper Radiator
/ Radiator Screen
/ Auxiliary Hydraulic Valve
/ Electro-Hydraulic Proportional Control System
/ Return Oil Filter
/ Front & Rear Working Light
/ Special Forks
/ Wider Fork Carriage
/ Wider Load Backrest
/ Sideshifter
/ Various Specialty Attachments



XF Series Pneumatic Tire Forklift 8,000-11,000lb Specification

				HANGCHA GROUP CO.,LTD.							
Distinguishing Marks	1.1	Manufacturer									
		HCFA Model		FD40	FD45	FD50S	FD55	FP40	FP45	FP50S	FP55
	1.2	Manufacturer's Type Designation		CPCD40-XW76B	CPCD45-XW76B	CPCD50-XXW76B	CPCD55-XXW76B	CPYD40-XW68B	CPYD45-XW68B	CPYD50-XXW68B	CPYD55-XXW68B
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas		Diesel	Diesel	Diesel	Diesel	LPG	LPG	LPG	LPG
	1.4	Operator Type: hand, pedestrian, stand-up, sit-down, order-picker		Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated
	1.5	Rated Capacity/Rated Load	Q (lb)	8000	9000	10000	11000	8000	9000	10000	11000
	1.6	Load Centre Distance	c (in)	24	24	24	24	24	24	24	24
	1.8	Load Distance, centre of drive axle to fork	x (in)	21.7	21.7	21.9	23	21.7	21.7	21.9	23
		Rear Overhang	in	21	22.2	22	23.4	21	22.2	22	23.4
	1.9	Wheelbase	y (in)	79	79	85	85	79	79	85	85
Weight	2.1	Service Weight	lb	14300	14800	15100	16000	14300	14800	15100	16000
	2.2	Axle Loading, laden front/rear	lb	19260/3040	20740/3060	22000/3100	24200/2800	19260/3040	20740/3060	22000/3100	24200/2800
		Conterweight	lb	4690	5100	5400	6130	4690	5100	5400	6130
	2.3	Axle Loading, unladen front/rear	lb	6640/7660	6640/8160	6640/8460	7250/8750	6640/7660	6640/8160	6640/8460	7250/8750
Tires & Chassis	3.1	Tires: solid rubber, superelastic, pneumatic, polyurethane		Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic
	3.2	Tire Size, front		8.25-15-14PR	300-15-18PR	300-15-18PR	300-15-18PR	8.25-15-14PR	300-15-18PR	300-15-18PR	300-15-18PR
	3.3	Tire Size, rear		7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
	3.5	Wheels, number front / rear (x = driven wheels)		2	2	2	2	2	2	2	2
	3.6	Tread, front	b_{10} (in)	46.2	47.4	47.4	47.4	46.2	47.4	47.4	47.4
	3.7	Tread, rear	b_{11} (in)	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
Dimensions	4.1	Tilt of Mast/Fork Carriage Forward/Backward	α/β(°)	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12
	4.2	Height, mast lowered	h_1 (in)	88.4	88.4	88.4	94.3	88.4	88.4	88.4	94.3
	4.3	Free Lift	h_2 (in)	6.3	6.3	6.3	6.7	6.3	6.3	6.3	6.7
	4.4	Lift	h_3 (in)	118	118	118	118	118	118	118	118
	4.5	Height, mast extended	h_4 (in)	164.2	164.2	172	173.2	164.2	164.2	172	173.2
	4.7	Height of Overhead Guard (cabin)	h_6 (in)	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
	4.8	Seat Height Relating to SIP	h_7 (in)	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
	4.12	Coupling Height	h_{10} (in)	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
	4.19	Overall Length	l_1 (in)	163.6	164.8	170.7	177.2	163.6	164.8	170.7	177.2
	4.20	Length to Face of Forks	l_2 (in)	121.5	122.6	128.5	131.1	121.5	122.6	128.5	131.1
	4.21	Overall Width	b_1(in)	55.9	59.2	59.2	59.2	55.9	59.2	59.2	59.2
	4.22	Fork Dimensions	s/e/l (in)	2/4.8/42.1	2/5.9/42.1	2/5.9/42.1	2.4/5.9/47.2	2/4.8/42.1	2/5.9/42.1	2/5.9/42.1	2.4/5.9/47.2
	4.24	Fork-Carriage Width	b_3 (in)	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
	4.25	Distance between Fork-Arms	b_5 (in)	12.2~47.2	12.2~47.2	12.2~47.2	12.2~47.2	12.2~47.2	12.2~47.2	12.2~47.2	12.2~47.2
	4.31	Ground Clearance, laden, below mast	m_1 (in)	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
	4.32	Ground Clearance, centre of wheelbase	m_2 (in)	9	9	9	9	9	9	9	9
	4.34.1	Aisle Width for Pallets 39" x 47" Crossways	Ast (in)	174.8	176	182.3	184.6	174.8	176	182.3	184.6
	4.34.2	Aisle width for pallets 31.5" x 47" Lengthways	Ast (in)	182.7	183.9	190.2	192.6	182.7	183.9	190.2	192.6
	4.35	Turning Radius	W_a (in)	105.9	107.1	113.2	114.4	105.9	107.1	113.2	114.4
	4.36	Internal Turning Radius	b_{13} (in)	33.3	33.3	34.4	34.4	33.3	33.3	34.4	34.4
		Min. Right Angle Stacking Aisle Width (Ast)	in	127.6	128.7	135	137.4	127.6	128.7	135	137.4
Performance Data	5.1	Travel Speed, laden/unladen	mph	-/16.2	-/16.2	-/16.2	-/16.2	(-/14.9)	(-/14.9)	(-/14.9)	(-/14.9)
	5.2	Lift Speed, laden/unladen	ft/min	90.6/-	90.6/-	78.7/-	78.7/-	90.6/-	90.6/-	78.6/-	78.6/-
	5.3	Lowering Speed, laden/unladen	ft/min	98.4/-	98.4/-	98.4/-	98.4/-	98.4/-	98.4/-	98.4/-	98.4/-
	5.5	Drawbar Pull, laden/unladen	lbf	8543/-	8543/-	8543/-	8543/-	8543/-	8543/-	8543/-	8543/-
	5.7	Gradeability, laden/unladen	%	33/-	31/-	29/-	27/-	33/-	31/-	29/-	27/-
	5.10	Service Brake		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
		Parking Brake		Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Combustion Engine	7.1	Engine Manufacturer/Type		MITSUBISHI/S6S	MITSUBISHI/S6S	MITSUBISHI/S6S	MITSUBISHI/S6S	PSI4.3L	PSI4.3L	PSI4.3L	PSI4.3L
	7.2	Engine Power According to DIN ISO 1585	HP	70	70	70	70	103	103	103	103
	7.3	Rated Speed	r/min	2300	2300	2300	2300	2300	2300	2300	2300
	7.4	Number of Cylinders/Displacement	(-) / (in^3)	6/303	6/303	6/303	6/303	6/262	6/262	6/262	6/262
	7.8	Generator	A	60	60	60	60	100	100	100	100
	7.9	Vehicle Electrical System Voltage	V	12	12	12	12	12	12	12	12
	7.10	Battery Voltage/Nominal Capacity	V/Ah	24/60	24/60	24/60	24/60	12/60	12/60	12/60	12/60
		Rated Torque	N·m/r/min	248/1700	248/1700	248/1700	248/1700	332.85/1400	332.85/1400	332.85/1400	332.85/1400
		Transmissions Manufacturer		OKAMURA	OKAMURA	OKAMURA	OKAMURA	OKAMURA	OKAMURA	OKAMURA	OKAMURA
		Stage FWD/RVS		2/1	2/1	2/1	2/1	2/1	2/1	2/1	2/1
		Bore × Stroke	in	3.7x4.	3.7x4.	3.7x4.	3.7x4.	4x3.5	4x3.5	4x3.5	4x3.5
		Transmission Type		Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift
Additional Data	10.1	Operating Pressure for Attachments	bar	190	190	190	190	190	190	190	190
	10.3	Hydraulic Tank - Capacity (drain & refill)	gal	17.6	17.6	19.8	19.8	17.6	17.6	19.8	19.8
	10.4	Fuel Tank Capacity	gal	17.6	17.6	19.8	19.8	17.6	17.6	19.8	19.8
	10.7	Sound Pressure Level at the Driver´s Seat	dB (A)	85	85	85	85	85	85	85	85





$A_{st} = W_a + x + L_6 + a$;

applies only if $\frac{b_{12}}{2} \leq b_{13}$