



Easy Lift, Easy Life!

Maximise productivity, Best for reliability & safety

The M series 4.0-5.0T forklift comes with brushless and maintenance-free AC traction motor and AC pump motor. An interactive communication system and multi-function LED meter with a user-friendly interface puts all the information you need at your fingertips. Travel and braking speeds are easy to control and the forklift has self-braking while traveling on ramps. Its hydraulic system also comes with new and improved signal load-sensing technology.

- Rated load capacity: 4-5.0 Ton (8800 -11000 Lbs)
- Full AC system and wet disc brakes offer high energy efficiency with very low maintenance costs.
- Designed to work in harsh environment with moisture, heat and dust.
- Powerful, twin drive motors promise high level of performance and productivity.
- Highly energy efficient for long working shifts in demanding operations
- Excellent visibility of the fork tips at any height for safe and confident driving and load handling.
- Strong construction and proven components
- Industry-leading speeds



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Tough, Powerful, High Capacity Electric Fork Lift Trucks with a Low Cost of Operation

The 4-5Ton electric forklift is suitable for use both indoors and outside, this series of tough electric trucks is ideal for use by a number of industries including automotive, timber, metal, beverage, paper, bottling and many more.

BLUE PEDESTRIAN AWARENESS LIGHT **1**

Provides an alert to pedestrians and users of mobile equipment that forklifts are operational in the area.

DROP BATTERY BOX **3**

Battery located at the lower back region of the truck to improve layout and accessibility of motors and controllers.

TRAVEL AND HYDRAULIC HANDLING INTERLOCK **4**

Battery located at the lower back region of the truck to improve layout and accessibility of motors and controllers.

SYNCHRONOUS AND POWER ASSIST STEERING **5**

Alignment between the rotation of the steering wheel and steer tyres, enabling the steering wheel to always return to the same position.

OPERATOR COMFORT **2**

A refined operator's compartment provides ease of access and driver comfort.

OPTIMISED MAST VISIBILITY **6**

The inner mast clearance (between the hoist chains) provides ample visibility to enhance operator efficiency.

INTERACTIVE DASH DISPLAY **7**

Interactive dash display shows the most relevant information to the truck's current status.

CARRIAGE LIGHT **8**

Directs a light onto the load and racking to illuminate the workspace while working at heights.

REGENERATIVE BRAKING **9**

AC controlled motor sends power back to the battery during braking, increasing uptime.



Fully hydrostatic power steering for excellent maneuverability

It features a small-diameter steering wheel with an ergonomically optimized design. The fully hydrostatic power steering mechanism provides excellent maneuverability in the switchback operations.



An integrated turn signal and lighting switch lever

The turn signal lever and lighting switch are integrated into one unit. It returns automatically to neutral when the steering wheel goes back to the straight-ahead position.



Ease of access ensures maximum comfort

Large entry step plate with an anti-slip pattern ensures sure footing even for large safety boots- Large uncluttered floor plate with no trip hazards gives optimal comfort and more leg room.



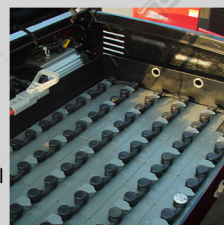
Optimized pedal position and anti slippad

The position of accelerator and brake pedal have been optimized through human engineering. Angled floor plate reduces strain on ankles and large pedals ensure maximum safety and ease of operation



Panoramic rearview mirrors

Large panoramic mirror provides the operator with a clear view of the rear working area, improving safety & efficiency.

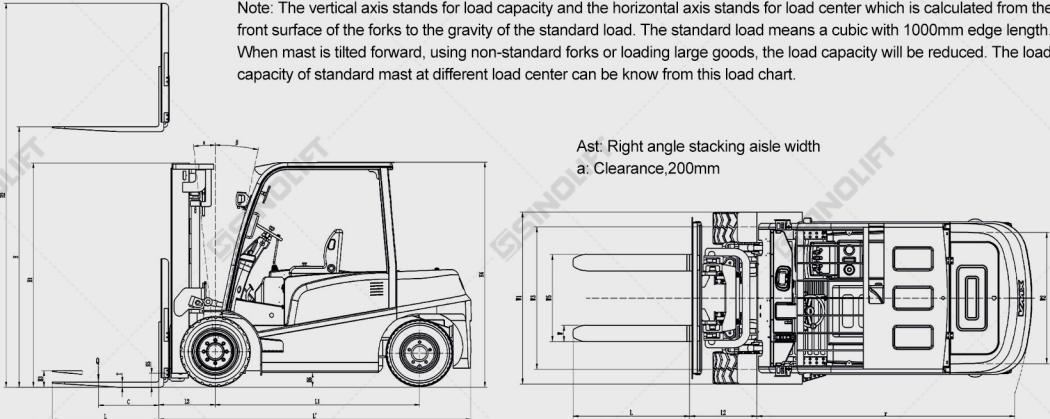


Longer battery runtimes per charge

The long (8.5 hour) battery runtime on a single charge has been achieved by using a highly-efficient AC drive motor that draws less current, and various types of regenerative braking: switch-back, accelerator-off and braking regeneration.

Characteristic	1.1	Manufacturer Brand		SINOLIFT					
	1.2	Model		CPD40-MA1	CPD40-MA1Li	CPD45-MA1	CPD45-MA1Li	CPD50-MA1	CPD50-MA1Li
	1.3	Power Type		Acid Battery	Lithium Battery	Acid Battery	Lithium Battery	Acid Battery	Lithium Battery
	1.4	Operation Type		Seated	Seated	Seated	Seated	Seated	Seated
Size	1.5	Rated Capacity	Q	kg	4000	4000	4500	4500	5000
	1.6	Load Centre	c	mm	500	500	500	500	500
	1.7	Front Overhang	L2	mm	520	520	565	565	565
	1.8	Wheelbase	L1	mm	1800	1800	2050	2050	2050
	2.1	Mast Tilt Angle	α/β	°	6/12	6/12	6/12	6/12	6/12
	2.2	Mast Lowered Height	H1	mm	2125	2125	2250	2250	2250
	2.3	Free Lift Height	H3	mm	150	150	150	150	150
	2.4	Standard Mast Lift Height	H	mm	3000	3000	3000	3000	3000
	2.5	Mast Extended Height	H2	mm	4272	4272	4280	4280	4280
	2.6	Overhead Guard Height	H4	mm	2092	2092	2255	2255	2255
	2.9	Overall Length (Include Forks)	L	mm	3760	3760	4205	4205	4205
	2.10	Length to Face of Fork	L'	mm	2690	2690	3135	3135	3135
Weight	2.11	Overall Width	W1	mm	1420	1420	1400	1400	1400
	2.12	Fork Size	TxWxL4	mm	50/125/1070	50/125/1070	50/150/1070	50/150/1070	50/150/1070
	2.13	Fork Type			ISO2328 3A	ISO2328 3A	ISO2328 3A	ISO2328 3A	ISO2328 3A
	2.15	Fork carriage spread width	W5	mm	250-1300	250-1300	300-1380	300-1380	300-1380
	2.16	Ground Clearance Under Mast Laden	H5	mm	130	130	140	140	140
	2.17	Ground Clearance at Center of the Wheelbase	H6	mm	130	130	145	145	145
	2.18	Min. Right Angle Stacking Aisle Width (Pallet 1000x1000)	Ast	mm	4250	4250	4845	4845	4845
	2.19	Min. Right Angle Stacking Aisle Width (Pallet 1200x1200)	Ast	mm	4450	4450	5045	5045	5045
	2.20	Turning Radius	r	mm	2550	2550	2172	2172	2172
	3.1	Service Weight		kg	5440	5340	6900	6900	7200
Tyre & Chassis	3.2	Front Axle Rated Load Capacity with laden		kg	9415	9415	10200	10200	11210
	3.3	Rear Axle Rated Load with Laden		kg	1310	1310	1135	1135	1035
	3.4	Front Axle Rated Load Capacity with unladen		kg	3195	3195	3215	3215	3345
	3.5	Rear Axle Rated Load with unladen		kg	3505	3505	3620	3620	3865
	4.1	Tyre Type			Pneumatic	Pneumatic	Solid Tire	Solid Tire	Solid Tire
	4.2	Tyre Size (Front)			250-15-12PR	250-15-12PR	28x12.5-15	28x12.5-15	28x12.5-15
Performance	4.3	Tyre Size (Rear)			18x7-8-16PR	18x7-8-16PR	7.00-12	7.00-12	7.00-12
	4.4	Wheel Number (x=Drive Wheel)			2x/2	2x/2	2x/2	2x/2	2x/2
	4.5	Front Tread		mm	1160	1160	1280	1280	1280
	4.6	Rear Tread		mm	970	970	1190	1190	1190
	5.1	Max. Travel Speed (Laden/Unladen)		km/h	12/13	12/13	13/14	13/14	13/14
	5.2	Lifting Speed (Laden/Unladen)		mm/s	250/350	250/350	280/400	280/400	280/400
Power & Transmission	5.3	Lowering Speed (Laden/Unladen)		mm/s	<600	<600	<600	<600	<600
	5.4	Max. Gradeability (Laden)		%	14	14	15	15	15
	5.5	Service Brake Type			Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
	5.6	Parking Brake Type			Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
	6.1	Drive Motor Rating S2 60min		kW	16.6	16.6	18	18	18
	6.2	Lifting Motor Rating at S315%		kW	13.5	13.5	26	26	26
Others	6.3	Battery VoltagI/Capacity K5		V/Ah	"80/500(Max.600)"	"83.2/346(Max.405)"	"80/560(Max.600)"	"83.2/404(Max.460)"	"80/630(Max.700)"
	6.4	Battery Weight		kg	"1240 (1240-1550)"	"1170 (1170-1550)"	"1265 (1265-1550)"	"1265 (1265-1565)"	"1565 (1565-1750)"
Others	7.1	Controller Brand			IMMOTION	IMMOTION	ZAPI/IMMOTION	ZAPI/IMMOTION	ZAPI/IMMOTION
	7.2	Hydraulic system working pressure		Mpa	20	20	20	20	20
	7.6	Sound Level at Driver's Ear According to EN 12 053		dB	72	72	72	72	72

Note: "CPD" means full electric Counter-balanced Electric Forklift; "40/45/50" means rated load capacity 4T/4.5T/5.0T; "M" is serial code, "A" is equipped with full AC system, "J" is equipped with semi-AC system, "1" is serial code, "Li" is equipped with lithium-ion battery, "S" means battery can be roll side out.



Mast Size of 4.0-5.0T Counterbalanced Electric Forklift

2-Stage High-Visibility Wide View Mast

Mast model	Lifting	Load Capacity			Overall Height (Mast Lowered)			Max. Lifting Height (With backrest)			Free Lift			Mast Tilt Angle
	Height	4.0t	4.5t	5.0t	4.0t	4.5t	5.0t	4.0t	4.5t	5.0t	4.0t	4.5t	5.0t	4.0-5.0t
	H	Q			H1			H2			H3			(α/β)
	mm	kg	kg	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	°
2M200	2000	4000	//	//	1650	//	//		//	//	150	//	//	6/12
2M250	2500	4000	//	//	1900	//	//		//	//	150	//	//	6/12
2M270	2700	4000	//	//	2000	//	//		//	//	150	//	//	6/12
2M300	3000	4000	4500	5000	2150	4250	2250	4272	4280	4280	150	150	150	6/12
2M330	3300	4000	4500	5000	2300	4580	2400	4572	4580	4580	150	150	150	6/12
2M350	3500	4000	4500	5000	2400	4780	2500	4772	4780	4780	150	150	150	6/12
2M370	3700	4000	4450	4700	2500	4980	2600	4972	4980	4980	150	150	150	6/6 *6/12
2M400	4000	4000	4350	4500	2700	5380	2800	5272	5380	5380	150	150	150	6/6 *6/12
2M425	4250	3800	4250	4350	2825	5630	2925	5522	5630	5630	150	150	150	6/6 *6/12
2M450	4500	3500	4150	4200	2950	5880	3050	5772	5880	5880	150	150	150	6/6 *6/12
2M500	5000	3200	3700	3800	3200	6380	3300	6272	6380	6380	150	150	150	6/6 *6/6
2M550	5500	2600	3100	3200	3500	6880	3600	6772	6880	6880	150	150	150	*3/6
2M600	6000	2400	2400	2600	3750	7380	3850	7272	7380	7380	150	150	150	*3/6

- Note: 1, (*) reprints the load capacity when with double front tyres
2, The service weight is the weight of truck with dual tyres: +110kg.
3, Free lift height: 150mm
4, Max. lifting height (without backrest): 4.0 Ton: -535mm, 4.5Ton and 5.0Ton: -547mm

2-Stage Wide-View Full Free Mast

Mast model	Lifting	Load Capacity			Overall Height (Mast Lowered)			Max. Lifting Height (With backrest)			Free Lift			Mast Tilt Angle
	Height	4.0t	4.5t	5.0t	4.0t	4.5t	5.0t	4.0t	4.5t	5.0t	4.0t	4.5t	5.0t	4.0-5.0t
	H	Q			H1			H2			H3			(α/β)
	mm	kg	kg	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	°
2FFM200	2000	4000	4500	5000	1650	1750	1750	1650	3288	3288	413	461	461	6/12
2FFM250	2500	4000	4500	5000	1900	2000	2000	1900	3788	3788	663	711	711	6/12
2FFM300	3000	4000	4500	5000	2150	2250	2250	2150	4288	4288	913	961	961	6/12
2FFM330	3300	4000	4500	5000	2300	2400	2400	2300	4588	4588	1063	1111	1111	6/12
2FFM350	3500	4000	4200	5000	2400	2500	2500	2400	4788	4788	1163	1211	1211	6/12
2FFM370	3700	4000	3900	4750	2500	2625	2625	2500	5038	5038	1263	1331	1331	6/12
2FFM400	4000	4000	3700	4600	2700	2800	2800	2700	5288	5288	1413	1511	1511	6/6 *6/12
2FFM425	4250	3800	//	//	2825	//	//	2825	//	//	1538	//	//	6/6 *6/12
2FFM450	4500	3500	//	//	2950	//	//	2950	//	//	1663	//	//	6/6 *6/6
2FFM500	5000	3200	//	//	3200	//	//	3200	//	//	1913	//	//	*3/6
2FFM550	5500	2600	//	//	3500	//	//	3500	//	//	2163	//	//	*3/6
2FFM600	6000	2400	//	//	3750	//	//	3750	//	//	2413	//	//	*3/6

- Note: 1, (*) reprints the load capacity when with double front tyres
2, The service weight is the weight of truck with dual tyres: +110kg.
3, Free lifting height (without backrest): 4.0ton:+535mm, 4.5ton and 5.0ton:+547mm
4, Max. lifting height (without backrest): 4.0ton: -535mm, 4.5ton and 5.0ton: -547mm

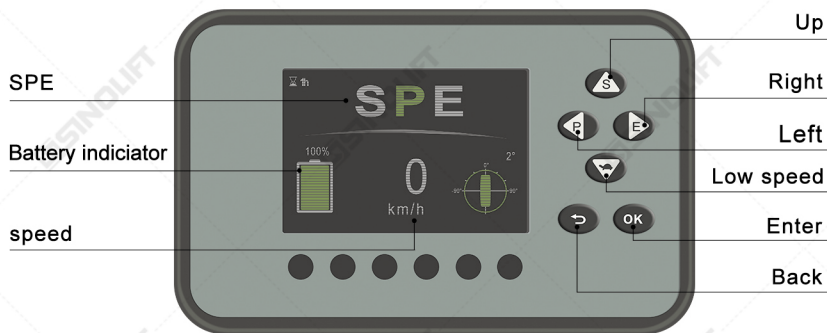
3-Stage Wide-View Full Free Mast

Mast model	Lifting	Load Capacity			Overall Height (Mast Lowered)			Max. Lifting Height (With backrest)			Free Lift			Mast Tilt Angle			
	Height	4.0t		4.5t	5.0t	4.0t	4.5t	5.0t	4.0t	4.5t	5.0t	4.0t	4.5t	5.0t	4.0-5.0t		
	H	Q			H1			H2			H3			(α/β)			
	mm	kg	kg	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	°		
3FFM360	3600	4000	4500	5000	1860	1950	1950	1860	4880	4880	623	661	661	6/6	*6/6		
3FFM400	4000	4000	4500	4700	1993	2083	2083	1993	5280	5280	756	794	794	6/6	*6/6		
3FFM435	4350	3300	*4000	4000	4300	2110	2200	2200	2110	5480	5480	873	911	911	6/6	*6/6	
3FFM450	4500	3000	*3500	3900	4200	2160	2250	2250	2160	5780	5780	923	961	961	6/6	*6/6	
3FFM480	4800	2700	*3200	3700	4000	2260	2350	2350	2260	6080	6080	1023	1061	1061	6/6	*6/6	
3FFM500	5000	2500	*3000	3600	3800	2327	2417	2417	2327	6280	6280	1090	1128	1128	3/6	*6/6	
3FFM550	5500	2000	*2500	2800	3200	2493	2583	2583	2493	6780	6780	1256	1294	1294	3/6	*6/6	
3FFM600	6000	1500	*2300	2200	2600	2710	2850	2850	2710	7280	7280	1473	1561	1561	3/6	*6/6	

- Note: 1, (*) reprints the load capacity when with double front tyres
2, The service weight is the weight of truck with dual tyres: +110kg.
3, Free lifting height (without backrest): 4.0ton:+535mm, 4.5ton and 5.0ton:+547mm
4, Max. lifting height (without backrest): 4.0ton: -535mm, 4.5ton and 5.0ton: -547mm

Reliable Special Designed Instrument

Reliable special meter display the whole truck's working condition, fault detect and other important information completely which make the operator master the whole truck condition directly and conveniently.



(INMOTION)



(ZAPI)

Safety

The optimized design of the wide-view mast, wide-view overhead guard and low dashboard enables a broader view of the operator and higher safety.

Comfort

In accordance with the ergonomically design, the wheelbase is increased to enable enlarged leg space. The radius of the hand wheel is reduced to 300mm and the seat can be adjusted backwards and forwards, so that the operator can choose the best driving position.

Exterior

A new exterior design method is used to form a stylish and elegant exterior with streamlined curved surfaces and smooth ethereal lines. The vehicle is compact, simple and sturdy in appearance. A fully enclosed console space. Fully open side door.

Stability

The drive motor is arranged in parallel, the battery is placed at the bottom of the vehicle frame, the wheelbase and rear wheel pitch are increased, the swing point of the steering axle is raised, and the distance between the front of the fork and the front axle is reduced, to enable excellent stability.

Maintainability

The fully opened hood quite facilitates the maintenance of the battery, oil pump motor and electric control assembly.

Advancement

The high-frequency MOSFET integrated controller ensures smooth and accurate driving and lifting control, and has excellent speed regulation performance, good performance of electronic control matching the motor, functions of regenerative braking, reverse braking and anti-sliding on ramps, etc., and high safety and reliability.

Maintenance Free

- Unnecessary of fluid adding and dust proofing.
- Daily maintenance free
- Manual maintenance free.

High Reliability

- High IP protection level of vehicle
- Maintenance-free integrated axle which is mature and has been tested by market is used on the truck.
- Oil cooled wet disc type brake is free from maintenance.
- Maintenance-free AC motors are used for driving and pump motors.
- World famous controller is used.
- Large smart instrument can monitor the truck state overally and it is safe and reliable.

Long Service Life

- Over 75% capacity reserved after 4,000 shifts operation.
- Longer service life than lead-acid battery in equal working condition.
- 5 years or 10,000 hours quality guarantee for high performance lithium battery assembly.

High Safety

- Tail-free structure reduces the center of gravity and improves lateral stability.
- High strength and integrated type welded overhead guard improves safety.
- Side-pulling battery changing way is standard configuration and improves battery changing efficiency.
- Middle-positioned battery reduces the center of gravity and improves stability.
- Automatic deceleration when steering improves working safety, mast lifting buffering improves operation safety.

Inmotion Controller



Original imported brand controller, after professional adjustment, precise and efficient walking and lifting control, excellent performance, with functions such as regenerative braking, slope braking and fault self-diagnosis;

Now Available with Li-ION Technology



These batteries offer lower energy consumption, higher utilization and flexible charging, any time and anywhere - meaning there's no need for time-consuming battery changeovers or dedicated charging areas. Just connect the truck to the charger and top up the battery when you get an opportunity, then disconnect it when it's time to get back to work.

Lithium-ion Battery Main Advantages:

 Compact body energy density more than 120W · h/kg	 Operating temperature Charge: 0~45°C Discharge: 20~60°C	 Control system With BMS management system it can monitor the current, voltage, temperature, SOC and other conditions of each battery pack. With self-protection.	 Fast charging 2-4 hours quick charge, no memory effect.
 Long service life >2500 times (80% remaining capacity), the service life more than 5 years or 10000 hours	 Maintenance free Improved health and safety with reduced machine checklists before use	 High charge efficiency >97%, Quickly recharge during breaks and downtimes	 Impact of environment Improved overall operational working conditions with no fumes and reduced machine noise

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	
						

Standard

- AC electric control motor
- Emergency power off switch
- Multifunctional color-screen instruments
- Pneumatic tire
- Mechanical handbrake
- Two-way multi-way valve
- Rubber pedal pads of all sizes
- 3 m duplex wide-field-of-view mast
- Vehicle LED lights
- Panoramic rear view mirror
- Fully hydraulic power steering
- Angle-adjustable steering column
- Horn, reversing buzzer
- Load sensing steering system
- Turning deceleration function
- Silent gear pump
- Intelligent descending buffering device
- Traction

Options

- Super-elastic solid tire
- Seamless solid tire
- Triple and quadruple multiway valves
- Alarm light
- Rear LED operation light
- Blue light
- Rear reversing armrest horn button
- Large-capacity battery
- PVC ceiling
- Battery charger
- Chair sensing system
- Electro-hydraulic proportional valve, thumb switch
- Video monitoring system
- Fully-suspended seat
- Fully enclosed cab
- Left and right rear view mirrors
- Free duplex mast
- Free triplex mast
- Built-in side shift fork
- Forks of other lengths
- Widened fork carriage
- Other attachments
- Battery removed sideways
- Dedicated lithium battery charger (Titan or Schneider)
- Cold storage vehicle
- Double front wheels
- Fire extinguisher
- High and low overhead guards
- Toolbox, folder
- OPS seat sensing function
- Start with a PIN code or by swiping a card