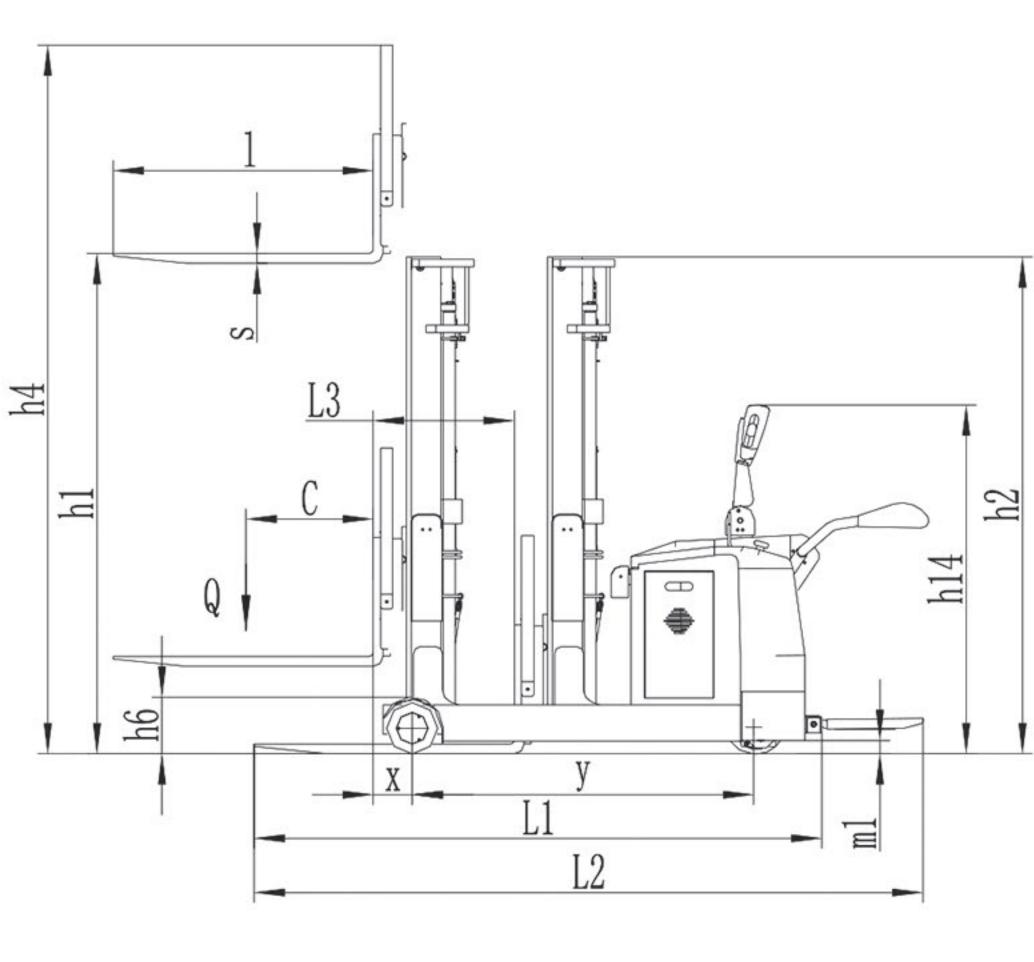
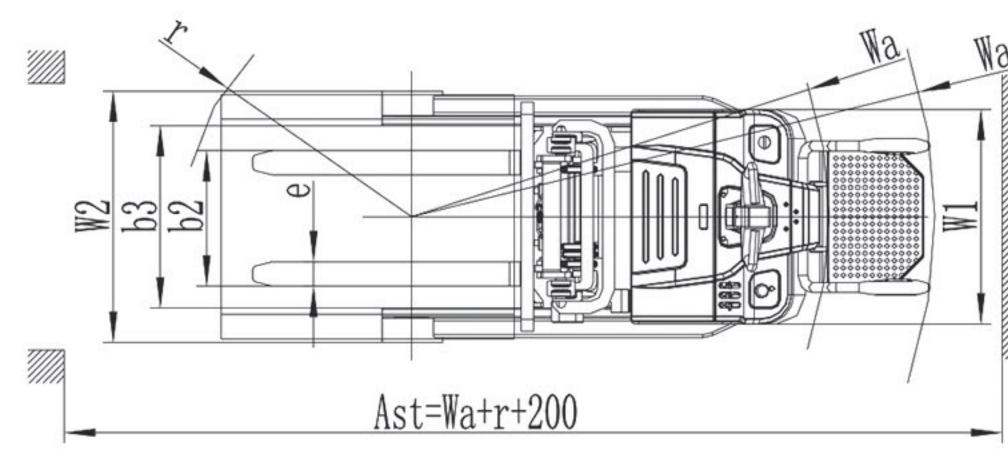
1.1	Manufacture's type designation			SINOLIFT			
1.2	Model			CDD16M	CDD20M		
1.3	Power Type			Electric	Electric		
1.4	Type of Operation			Stand-on	Stand-on		
1.5	Steering Mode			Electric Power Steering	Electric Power Steering		
1.6	Load capacity/Rated load	Q	kg	1600	2000		
1.7	Load Center Distance	С	mm	600	600		
1.8	Wheelbase	у	mm	1500	1500		
2.1	Total Weight (with battery)		kg	1300	1350		
2.2	Axle Load(laden):Drive side/Load-bearing side		kg	1115/1785	1285/2065		
2.3	Axle Load(unladen):Drive Side/Load-bearing side		kg	947/353	985/365		
3.1	Overall Length (Pedal Retracted/Expanded)	L1/L2	mm	2210/2645	2210/2645		
3.2	Overall Width	W1	mm	880	880		
3.3	Lift Height	h1	mm	Refer to mast parameter	Refer to mast paramete		
3.4	Lowered Mast Height	h2	mm	Refer to mast parameter	Refer to mast paramete		
3.5	Extended Mast Height	h4	mm	Refer to mast parameter	Refer to mast paramete		
3.6	Free Lift Height	h5	mm	Refer to mast parameter	Refer to mast paramete		
3.7	Fork Dimension	l/e/s	mm	1220×185×55	1220×185×55		
3.8	Width of Fork	b2	mm	560/685	560/685		
3.9	Min.Fork Height	h3	mm	85	85		
3.1	Ground Clearance at Center of Wheelbase (Min)	m1	mm	30	30		
3.11	Height of Operating Handle bar(Min./Max)	h14	mm	1000/1550	1000/1550		
3.12	Turning Radius	Wa	mm	1755/2200	1755/2200		
3.13	Min. Aisle width for pallets 1000×1200 (Pedal Retracted/Expanded)			2630/3085	2630/3085		
3.14	Min. Aisle width for pallets 800×1200 (Pedal Retracted/Expanded)			2555/3010	2555/3010		
4.1	Tyre Type			Polyurethane	Polyurethane		
4.2	Tyre Size (Front Load Wheel)		mm	φ80x60	φ80x60		
4.3	Tyre Size (Auxiliary Wheel)		mm	φ115x55	φ115x55		
4.4	Tyre Size (Driving Wheel)		mm	φ230x75	φ230x75		
4.5	Wheels Quantity, front/rear (x=Driving Wheels)			4/1x+2	4/1x+2		
5.1	Traveling Speed (laden/unladen)			5/5.5	5/5.5		
5.2	Lifting Speed(laden/unladen)		mm/s	95/135	95/135		
5.3	Lowering Speed(laden/unladen)		mm/s	100/130	100/130		
5.4	Max.Gradient Performance (laden/unladen)		%	5/8	5/8		
5.5	Service Brake Type		200000	Electromagnetic	Electromagnetic		
5.6	Parking Brake Type			Electromagnetic	Electromagnetic		
6.1	Drive Motor Rating (AC) S2 -60min		kW	1.5	1.5		
6.2	Lift Motor Rating (DC) S3-15%			3	3		
6.3	Battery Voltage/Capacity K5			24/210	24/210		
6.4	Battery Weight		V/Ah kg	188	188		
7.1	Controller Brand		9	CURTIS	CURTIS		
7.2	Controller Model			1232E	1232E		
7.3	Sound level atdriver's ear according to EN 12 053		dB	70	70		

CDD16 Mast Parameters							
Designation	Lift Height	Lowered mast Height	Extended Mast Height	Free Lift Height	Load Capacity/Rated Load		
	mm	mm	mm	mm	kg		
One-stage	1600	2070	2070	1600	1600		
Two-stage	2500	1820	3055	1	1600		
	3000	2070	3555	/	1600		
	3500	2320	4055	1	1200		
	4000	2570	4555	1	1000		
	3500	1740	4040	1170	1200		
Three stage	4000	1905	4540	1335	1000		
full free mast	4500	2070	5040	1500	700		
	5000	2240	5540	1670	500		

	5000	2240	5540	1670	500		
CDD20 Mast Parameters							
Designation	Lift Height	Lowered mast Height	Extended Mast Height	Free Lift Height	Load Capacity/Rated Load		
	mm	mm	mm	mm	kg		
One-stage	1600	2070	2070	1600	2000		
Two-stage	2500	1820	3055	1	2000		
	3000	2070	3555	1	2000		
	3500	2320	4055	1	1600		
	4000	2570	4555	1	1000		
Three stage full free mast	3500	1740	4040	1170	1600		
	4000	1905	4540	1335	1000		
	4500	2070	5040	1500	800		
	5000	2240	5540	1670	600		
	5500	2400	6040	1840	300		





Spercial size of width and length can be made according to customer's requirement, All specifications and figures are subject to change withou notice for improvement.



CQD16M CQD20M

STAND-ON ELECTRIC REACH STACKER ISO9001

CE



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Hour Meter / BDI

BWS17S-7 comes standard

with an Hour Meter/Battery

Discharge Indicator to keep

battery power at a glance.

Allows creep speed

the upright position.

Increases ability to

Low Speed /

track of hours used and reserve

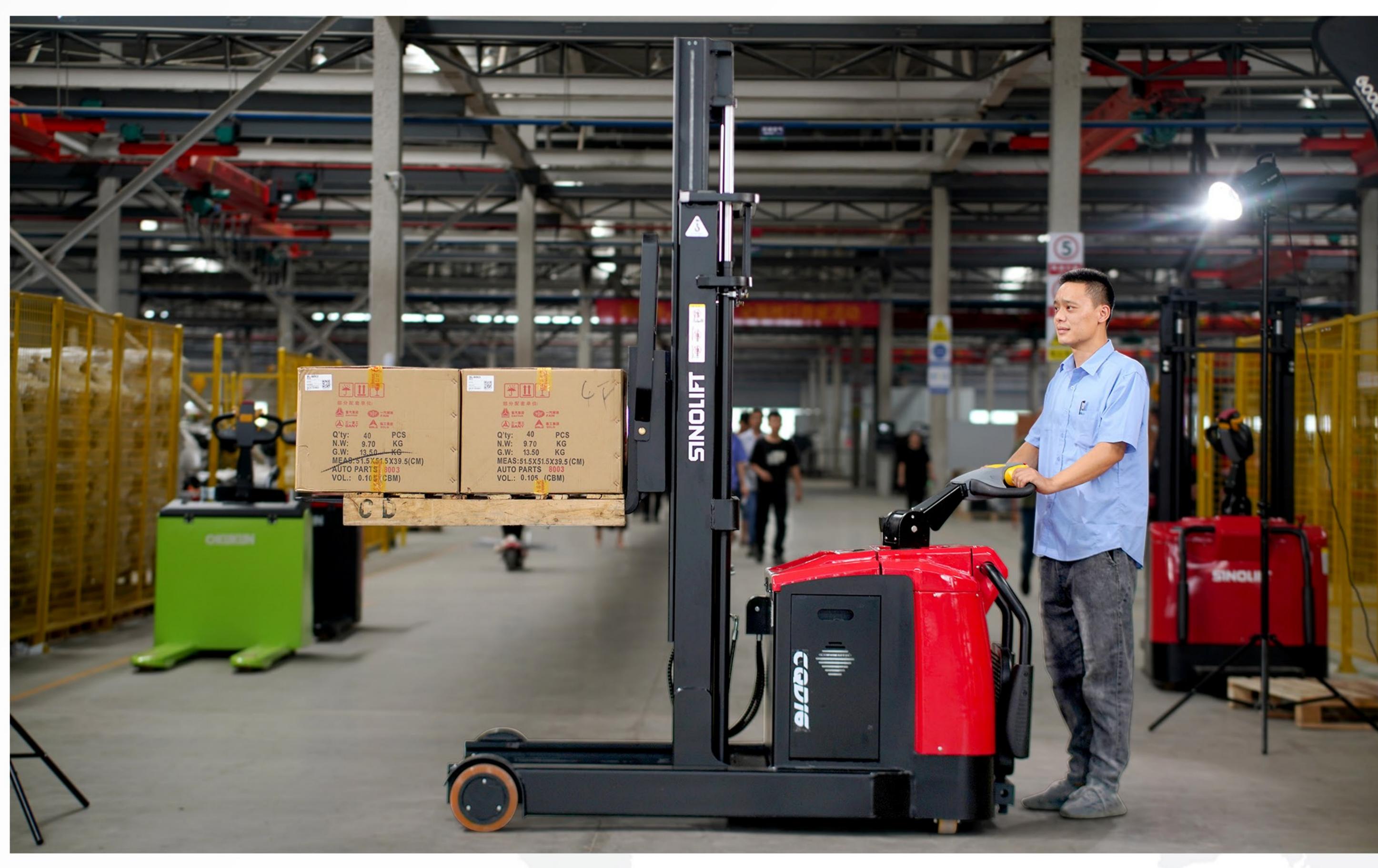
Brake Override Switch

operation with handle in

maneuver in tight spaces.

Reduces operator fatigue.

Ergonomic Handle



With Max. capacities to 2000kg, the CQD16M/CQD20M models are built to be the best, most reliable narrow aisle walkie reach trucks in the industry.

Total Drive System

- Equipped with powerful AC drive system
- External encoder for easy replacement
- Precise positioning of loads
- High torque
- Brushless, regenerative brake

Safety

- Automatic speed reduction technology for sharp corner turns
- Emergency reversing button
- Electromagnetic braking initiated by the emergency stop button acts on the drive motor proportional to the load carried

Maintenance

- Maintenance-free AC driving motor reduces operation cost significantly.
 The meter integrating battery indicator, timer, and fault self-diagnosis is convenient for maintenance.
- Back cover can be opened fully, and all components and parts are clear at a glance, which is very convenient for maintenance of the entire machine.

Ergonomics

- Tiller head designed for maximum operator comfort and control
- Controls positioned to allow either hand operation
- EPS system provides optimum directional control at any speed

Revolutionary AC motor

Vertical motor makes the inspection & service much more convenient. The drive system adopts the guide rail damping structure, and the drive system automatically settles along with the undulation of the road surface to ensure that the driving wheel is always in contact with the road surface, ground contact, not easy to skid.

Large front wheel design with balance wheels on both sides and elevated chassis allows the stacker to be operated in uneven surfaces while maintaining balance.

AMP connector and durable electric wires greatly reduce malfunctions of component. Applied with electric valve on and better heat releasing systems support long time operation.

The complex hydraulics system provides infinite control of:

- Integrated tilt movement (tested to the highest of International standards)
- Innovative 'Reach' function, for precision material handling.
- Smooth lift mechanism, with standard 2 stage mast vital for stability.
- Side-Shift fitted as option to allow for practical maneuverability

Li-ion option for intensive operations

This maintenance-free battery technology gives 30% less energy consumption, exceptional battery life and the option for fast-charge at any time eliminating the need for battery change in multi-shift applications.







STANDARD SPECIFICATION:

- AC driving motor
- CURTIS AC controller
- Controller for pump motor
- EPS (Electric Power Steering) system
- Automatic deceleration at turns
- Proportional speed regulation for all fork operations
- Pedal and guardrail
- Emergency power of switch
- Good set-up Spring Shock Absorber
- Multi-function battery condition meter
- Fork length 1070mm
- Adjustable outer distance of forks within the range of 220-690mm
- Load backrest
- Duplex mast with double lifting cylinders
- Soft landing system
- Multi-function tiller
- Reach distance of fork: 580mm for CQD16M, 680mm for CQD20M
- 240 Ah Lead-acid Side Slidable Battery
- The electronic limitation to be acted when mast move forward

OPTIONS:

- Fork tilt forward / backward: 3° / 5°
- Mast height: 1600-4000mm for duplex mast,
- 3500-5500mm for triplex mast (free lift)
- Various fork lengths
- Sideshift move LH/RH ±100mm
- Warning Lights
- HeadlightsHeadlights
- Beeper
- Traveling speed will be automatically reduced after fork lifting 500mm
- Sideways battery exit
- Up-right drive function
 Remote controlled lowering & lifting
- Moonwalk
- Varying Speed Control
- Overhead Guard
- Safety Speed Control
- Customized Fork Length up to 1500 mm

lithium battery





Adjustable Spring Loaded Caster

Helps stabilize loads when lifted and when making turns.

Roll-Out Battery Tray

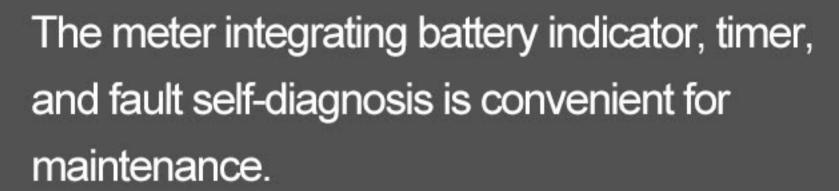
removal and replacement.

Allows for easy maintenance,

Poly Drive Tire

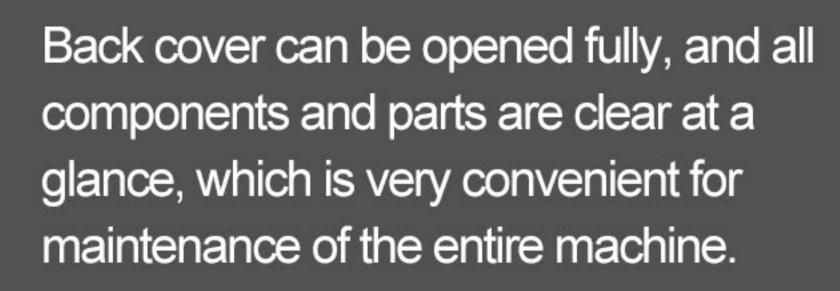
Provides longer tire life and has lower energy consumption versus a rubber tire.



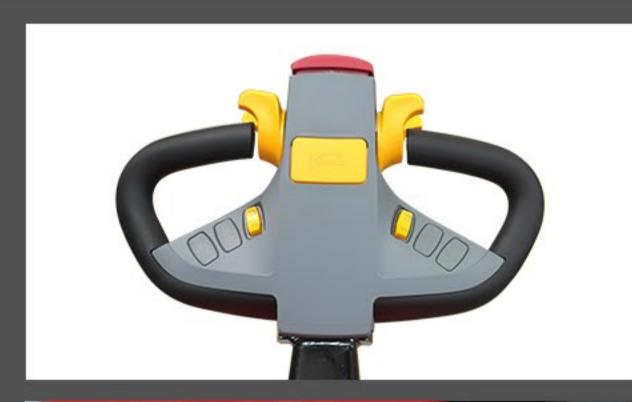




Bolt-on high visibility I-beam construction, lift cylinders are positioned in outer I-beam. Dual lifting chains. Class two ITA fork carriage with 36" tall load back rest.



Mounted motor drive unit mounting eliminates power cable tension and flex, extending life.

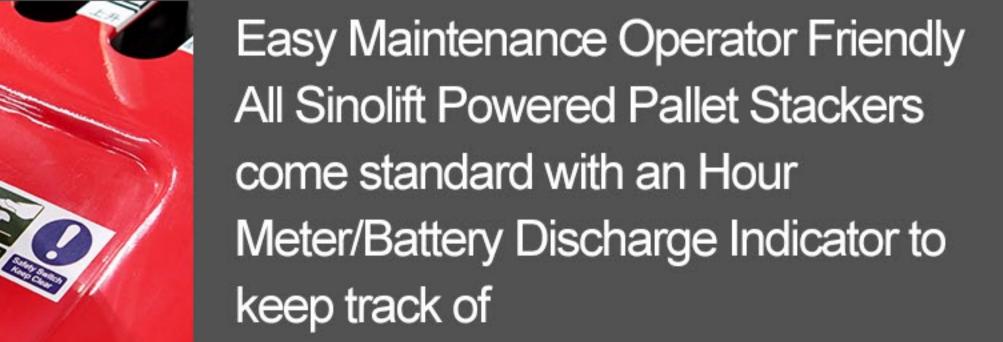


button protects from potential injuries when backing up.

Ergonomic control handle with built-in belly



Mast tilting is the optional feature, offers proportional forward/backward speed



The vibration-reduction design of the pedal reduces fatigue of long-duration operation.

