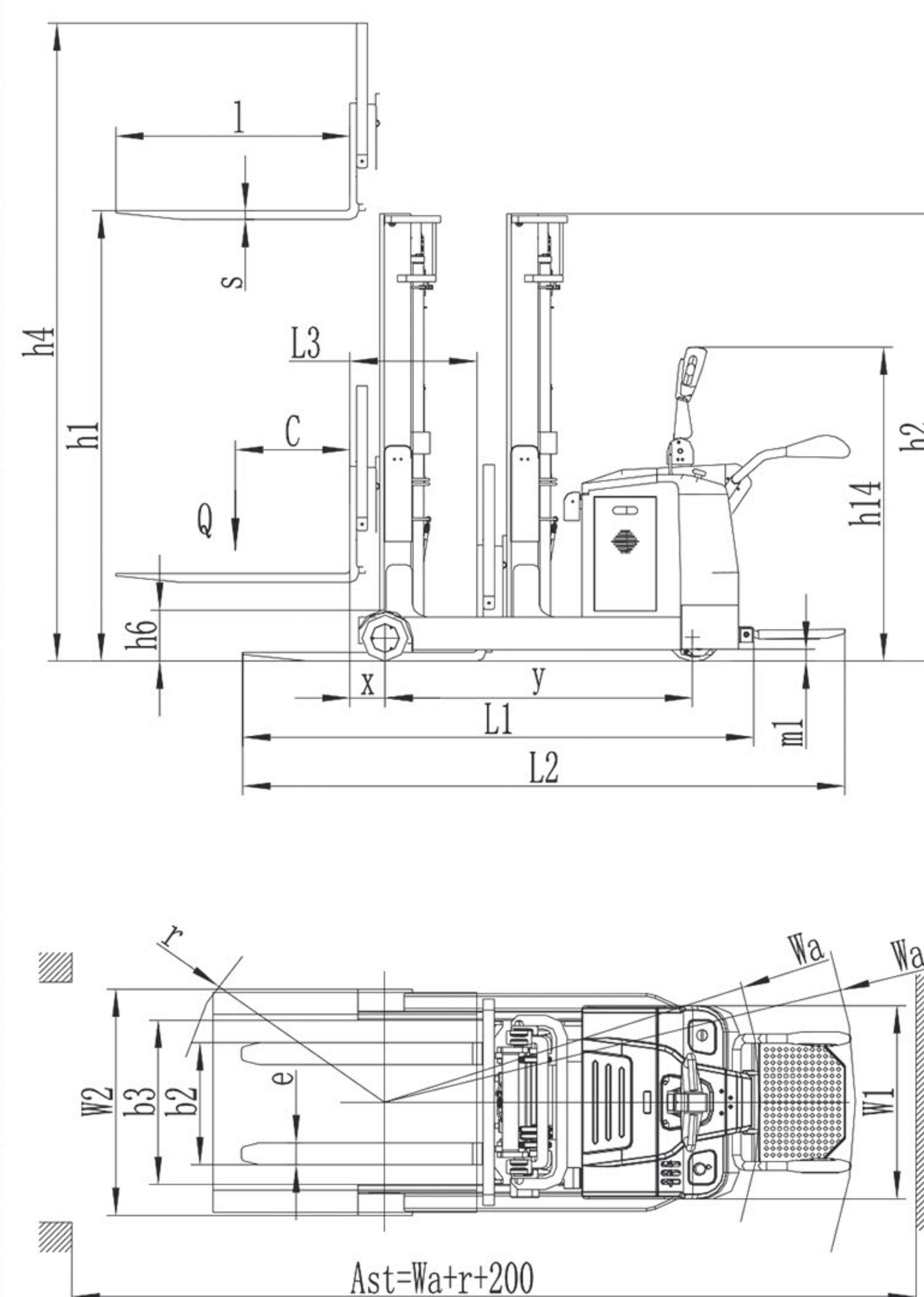


CHARACTERISTIC	1.1	Manufacture's type designation		SINOLIFT		
	1.2	Model			CDD16M	CDD20M
	1.3	Power Type			Electric	Electric
	1.4	Type of Operation			Stand-on	Stand-on
	1.5	Steering Mode			Electric Power Steering	Electric Power Steering
WEIGHT	1.6	Load capacity/Rated load	Q	kg	1600	2000
	1.7	Load Center Distance	C	mm	600	600
	1.8	Wheelbase	y	mm	1500	1500
DIMENSION	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
DIMENSION	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 parameter
	3.4	Lowered Mast Height	h2	mm	Refer to mast parameter	Refer to mast parameter
	3.5	Extended Mast Height	h4	mm	Refer to mast parameter	Refer to mast parameter
	3.6	Free Lift Height	h5	mm	Refer to mast parameter	Refer to mast parameter
	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
TYRE (WHEEL)	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
PERFORMANCE	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
POWER UNIT	5.1	Traveling Speed (laden/unladen)		Km/h	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			Electromagnetic	Electromagnetic
OTHERS	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%		kW	3	3
	6.3	Battery Voltage/Capacity K5		V/Ah	24/210	24/210
	6.4	Battery Weight		kg	188	188
	7.1	Controller Brand			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	/	1600
	3000	2070	3555	/	1600
	3500	2320	4055	/	1200
	4000	2570	4555	/	1000
Three stage full free mast	3500	1740	4040	1170	1200
	4000	1905	4540	1335	1000
	4500	2070	5040	1500	700
	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	/	2000
	3000	2070	3555	/	2000
	3500	2320	4055	/	1600
	4000	2570	4555	/	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



CQD16M CQD20M
STAND-ON ELECTRIC REACH STACKER
ISO9001
CE

Easy Lift, Easy Life!



This fully-powered pallet stacker has a forward extending mast and a counterbalance built into the back. This shifts the forks beyond the front legs which allows it to drive right up to shelving units without contacting the shelf legs or pallets on the ground. This machine features both electrically powered lifting and driving, removing all effort from the operator to move heavy loads. Similar to a forklift, this stacker has a tilting mast to provide greater stability when lifting and transporting a load.

Key Feature:

- Low-maintenance AC motor offers durability and strength, as well as low energy consumption.
- Standard EPS (Electric power steering) provides easy control and handling
- Release braking, reverse braking and emergency braking can ensure safety of traveling.
- Vertical driving wheel unit, powerful and reliable.
- Multi way valve controls lift, forward and tilt of forks.
- Small overall length allows stacking in a narrow aisle.
- Strong chassis bears long-term and heavy duty.
- Traction batteries ensure continuous operation time.
- Battery charger displays charging status visually.



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Spercial size of width and length can be made according to customer's requirement, All specifications and figures are subject to change without notice for improvement.





With Max. capacities to 2000kg, the CQXD16/CQXD20 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.

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.

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.



STANDARD SPECIFICATION:

- AC driving motor
- CURTIS AC controller
- 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 CQXD16, 680mm for CQXD20
- 240Ah 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
- Headlights
- 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



Roll-Out Battery Tray (Options)

Allows for easy maintenance, removal and replacement.

Adjustable Spring Loaded Caster

Helps stabilize loads when lifted and when making turns.

Hour Meter / BDI

CQXD16/CQXD20 comes standard with an Hour Meter/Battery Discharge Indicator to keep track of hours used and reserve battery power at a glance.

Low Speed / Brake Override Switch

Allows creep speed operation with handle in the upright position. Increases ability to maneuver in tight spaces.

Ergonomic Handle

Reduces operator fatigue.



Poly Drive Tire

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



The meter integrating battery indicator, timer, and fault self-diagnosis is convenient for maintenance.



The protective arm, as well as the new internal structure of the body, make the overall length of the stacker truck as short as possible, and achieve a smaller turning radius in the same.



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.



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



Ergonomic control handle with built-in belly button protects from potential injuries when backing up.



The mast is made of H-shaped steel channels, which offer better rigidity and stability in comparison with C-shaped channels. Reach track of mast is made of high strength steel channels, with longer service life.



Pump motor realize proportional control all operation of fork by the controller, thus more accurate fork operation.



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