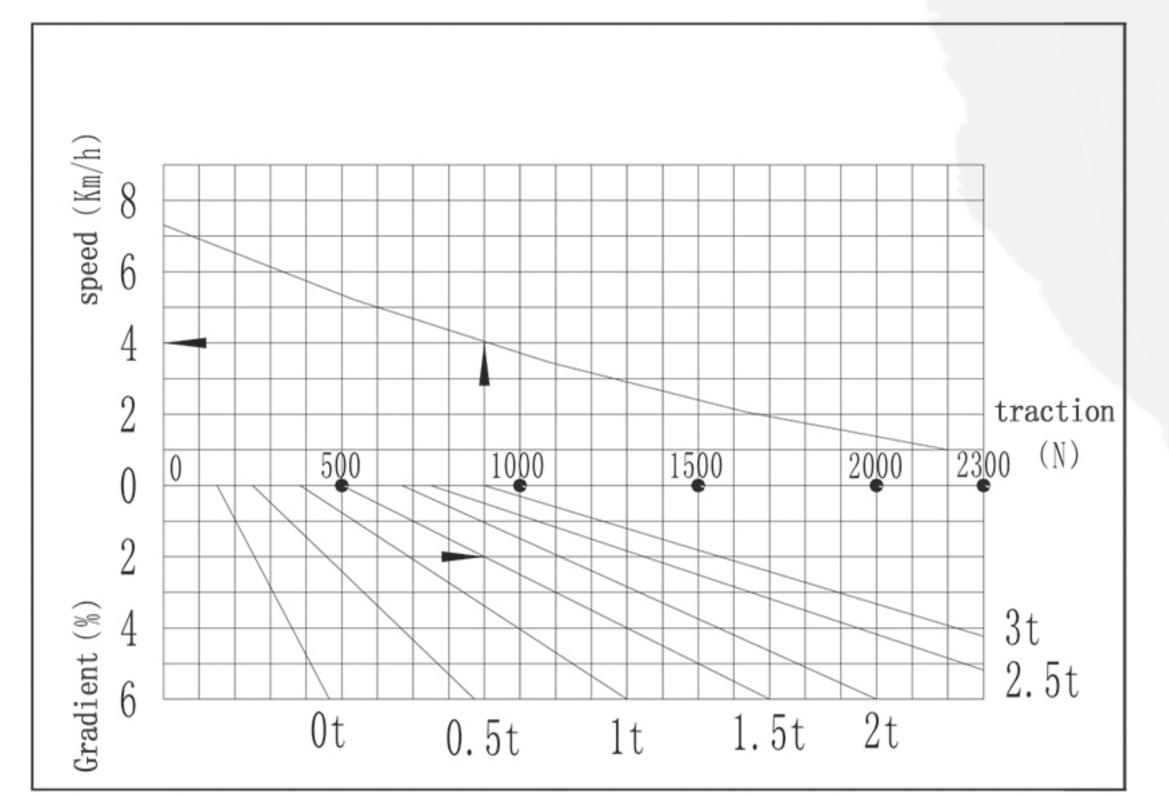
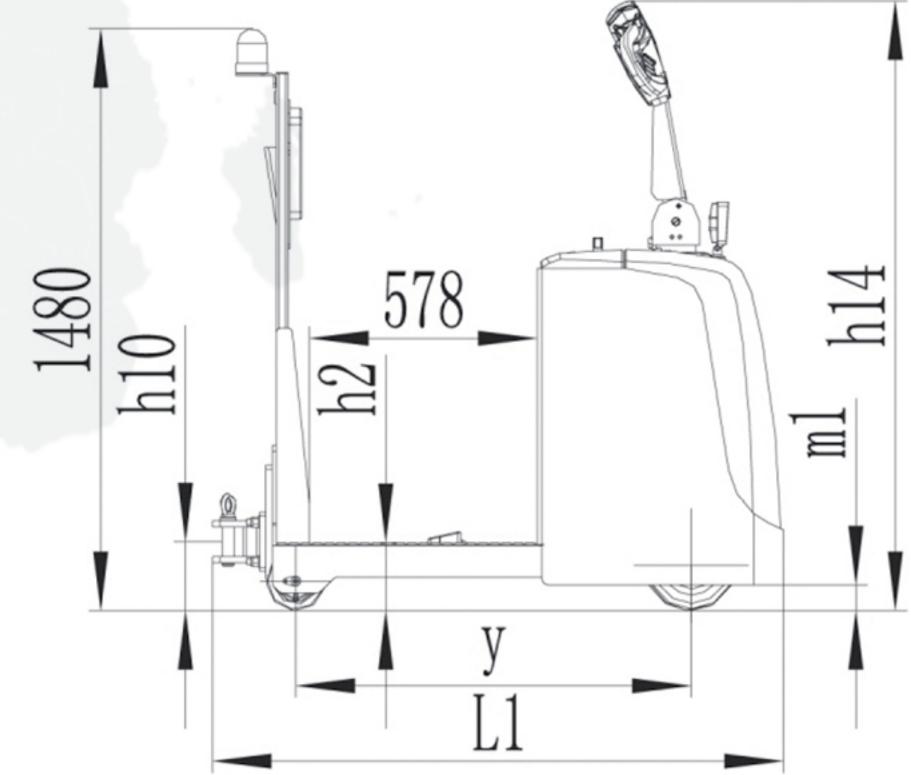
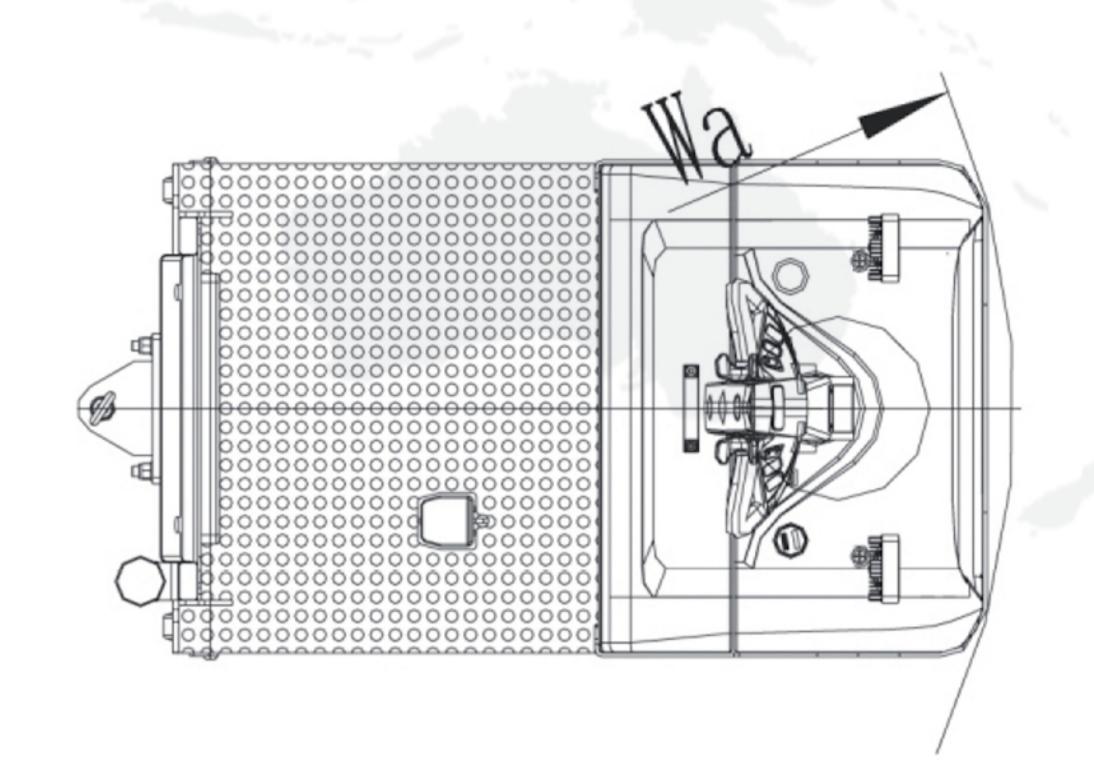
Characteristic	1.1	Manufacturer			SINOLIFT	
	1.2	Model			QSD20M	QSD30M
	1.3	Power Type			Electric	Electric
	1.4	Type of Operation			Stand-on	Stand-on
	1.5	Steering Mode			Electric Power Steering	Electric Power Steering
	1.6	Wheelbase	у	mm	1000	1000
Weight	2.1	Total Weight (with Battery)		kg	550	550
	2.2	Axle Load (unladen):Drive Side/Load-bearing Side		kg	350/200	350/200
Dimension	3.1	Overall Length	L1	mm	1455	1455
	3.2	Overall Width	W1	mm	800	800
	3.3	Overall Height	h14	mm	1500	1500
	3.4	Couping Height (Hook Center Above Ground)	h10	mm	175/225/275	175/225/275
	3.5	Standing Platform	h2	mm	175	175
	3.6	Ground Clearance at Center of Wheelbase (Min)	m1	mm	65	65
	3.7	Turning Radius	Wa	mm	1280	1280
Tyre	4.1	Tyre Type			Polyurethane/Rubber	Polyurethane/Rubber
	4.2	Tyre Size (Front)		mm	ф230х75	ф230х75
	4.3	Tyre Size (Rear)		mm	ф254x100	ф254x100
	4.4	Wheels Quantity,front/rear (x=Driving Wheels)			1x/2	1x/2
Performance	5.1	Traveling Speed (Laden/Unladen)		km/h	Referto the climbing curve	Referto the climbing curve
	5.2	Rated Draw-bar Pull	F	N	600	600
	5.3	Max.Gradient Performance S25min (Laden/Unladen)		%	Referto the climbing curve	Referto the climbing curve
	5.4	Service Brake Type			Electromagnetic	Electromagnetic
	5.5	Parking Brake Type			Electromagnetic	Electromagnetic
PowerUnit	6.1	Drive Motor Rating (AC) S2-60min		kW	1.5	1.5
	6.2	Battery Voltage/Capacity K5		V/Ah	24/210	24/210
	6.3	Battery Weight		kg	188	188
Others	7.1	Controller Brand			CURTIS	CURTIS
	7.2	Controller Model			1232E	1232E
	7.3	Sound Levelat Driver's Ear According to EN 12053		dB	65	65

climbing curve









Both drive wheel & load wheels are made of polyurethane material with sturdy construction and high wear resistance that ensure better grip with the surface.



Fitted as standard, the key switch is water and vibration proof which makes it suitable to operate in cold storage applications.



Solid frame construction and reliable components ensure long-term reliability and durability



When faced with the risk of injury, the operator is able to quickly access the stop button and ensure their own safety and that of others within the vicinity.



QSD20M QSD30M

STAND-ON ELECTRIC TOW TRACTOR ISO9001



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Based on the latest technology cultivated from more than 20 years of experience with Industry vehicles, the SINOLIFT electric towing tractors feature clean, quiet and powerful operation in the field resulting in a better work environment.

Productivity

- QSD20M/QSD30M features the CURTIS motor control system with AC power. A central processor monitors and controls the performance of the truck resulting in sper-smooth control at all speeds.
- Every time the truck decelerates or the brakes are applied energy is passed directly back to the battery, allowing long working shifts on a single charge. For multiple shift operations the QSD20M/QSD30M is designed for fast and easy battery change.

Safety

- Optimized truck performance
- The optimized truck performance system on the QSD20M/QSD30M -series automatically adapts speed when cornering to allow fast yet safe driving in all conditions.

Durability

The SINOLIFT power drive system combined with advanced AC motors means a truck with remarkably simplicity in design and fewer components, resulting in greater reliability and lower maintenance costs. On-board diagnostics ensure that in the event of a fault it can be quickly identified and resolved.

Clean, Quiet Battery Power

Clean, quiet, battery-powered towing tractor featuring a wide array of advanced mechatronics technology throughout. We offer several types with varied fetures, each of which is applicable to particular towing load and driving conditions.

CORE COMPONENTS



Power Unit

The rugged power unit is designed for tough real-world applications. A 10mm thick skirt protects drive unit and caster components while reinforced steel covers and doors cover all electronics. The uncluttered layout of components provides quick and easy access for serving.

Electric

24 volt electrical system managed by CURTIS control system, Virtually maintenance-free AC traction motor provides strong acceleration and control at any speed. Sensors monitor functional parameters including steering, speed and operator position and adjusts operational settings automatically to suit conditions.



Easy Operation with Electric Power Steering

Featuring the electric power steering, the truck can be operated with little effort thanks to the steering handle's convenient position and short arm. Centralized arrangement of acceleration grip and safety button at the handle top portion. This allows for easy operation in safety. Moreover, the non-slip handle grip can be grasped firmly for sure

AGV Conversion Option

AGV conversion option equips tow tractor to operate as an Automated Guided Vehicle while still allowing for 100% manual control when needed.





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 drive motor
- Electric steering system
- Emergency cut off switch
- Stand-on pedal with shock absorber
- Digital CAN-bus communications Adjustable supportive backrest
- Automatic electric braking
- Electromagnetic emergency brake
- Key switch
- Battery indicator
- PU wheel
- Multi-function handlebar
- Low profile operator platform with cushioned mat
- Adjustable console and twin grip steering control
- Single position hook
- Horn Tool box
- Standard lead-acid battery

OPTIONS:

- Front and rear working lights (LED)
- Rubber wheel
- Warning light
- Working light
- Handrail Inching switch (LH/RH)
- Big capacity battery
- Sideway change battery Different height of towing coupling
- Anti-collision bumper
- Review mirror
- Flashing beacon
- Side battery change

1 Ergonomic Handle

Reduces operator's fatigue.



2 Dual Lift Cylinders

Increases stability by liting loads smoothly and evenly.

3 CAN Bus Technology

This reduces the number of electrical connections and potential for problems making the system less complicated and more reliable.

4 Poly Drive Tire

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

Low Speed / Brake Override Switch

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

6 Hour Meter / BDI

Keeps track of hours used and reserves battery power at a glance.



7 Robust & Durable

Solid frame construction and reliable components ensure long-term reliability and durability

8 Inching Buttons

External inching control to assist driver with trailer hitching



QSD20M/QSD30M is equipped with 6000K led lights to cope with the dark environment foroptimal visibility.



The height of the back pad is adjustable to the operator's optimum comfort level.



With Sinolift homebrew driving unit, the truck has compact structure, low noise, no pollution and stable traveling.

AC motor without carbon brush and free of daily maintenance is assembled.

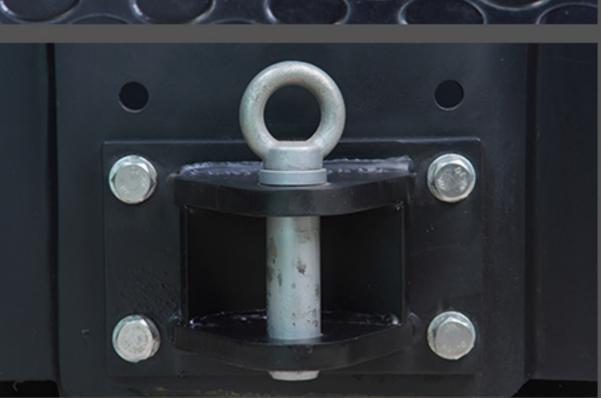
Digital CAN communication between the controller and steer head uses just four wires in the control handle harness to send multiple signals.



Multifunction control handle with ergonomically positioned handgrips for simplified operation of all controls with either hand.



Safe pedal: when the pedal is released, traveling is stopped, and only hydraulic operation is enabled



The standard heavy-duty automatic jaw coupler is equipped with a foot operated release pedal, located inside the operator compartment. Optional couplers are also available.



Sinolift introduces a clean, quiet,battery-powered towing tractor featuring a wide array of advanced mechatronics technology throughout. Each of which is applicable to particular towing load and driving conditions.

