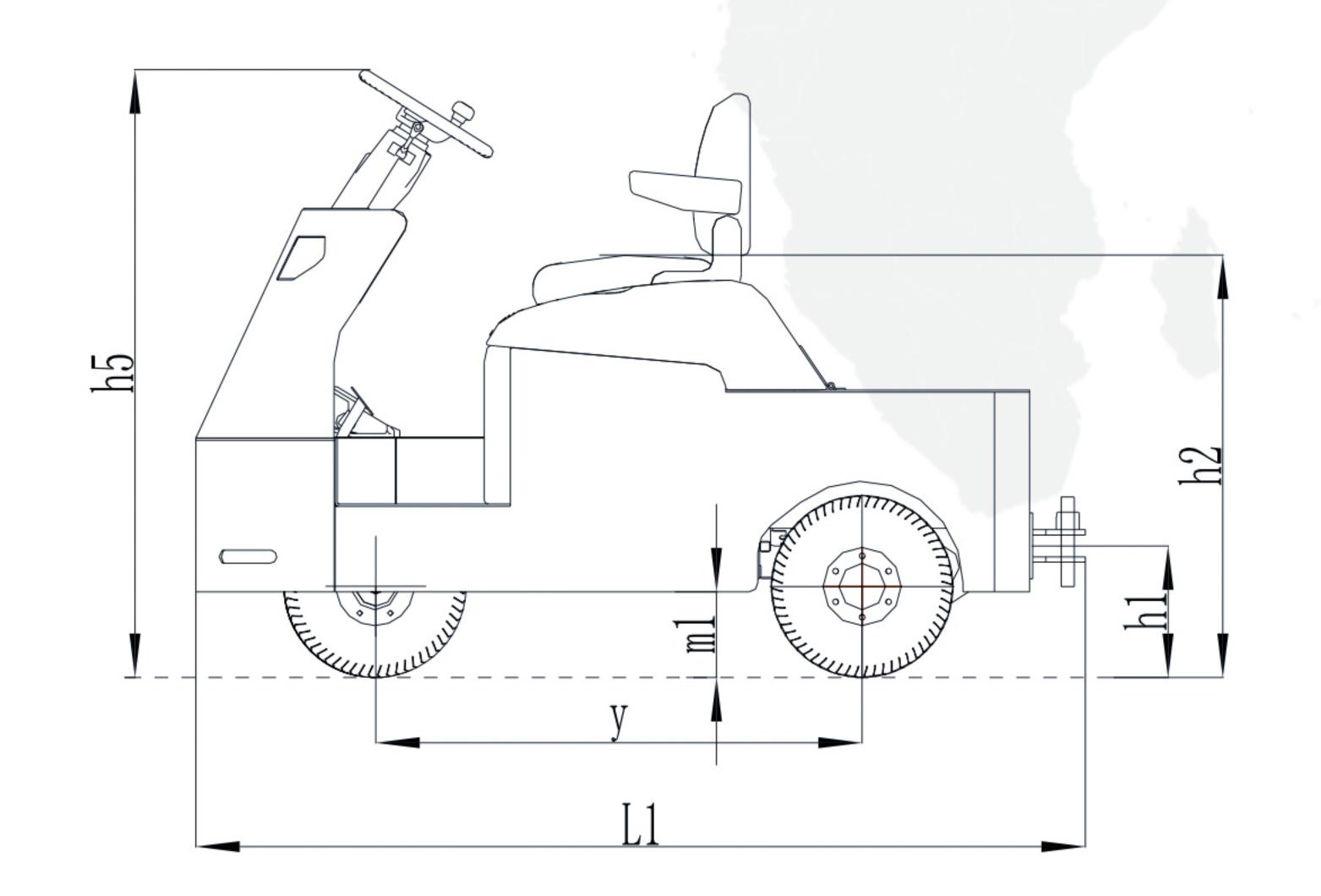
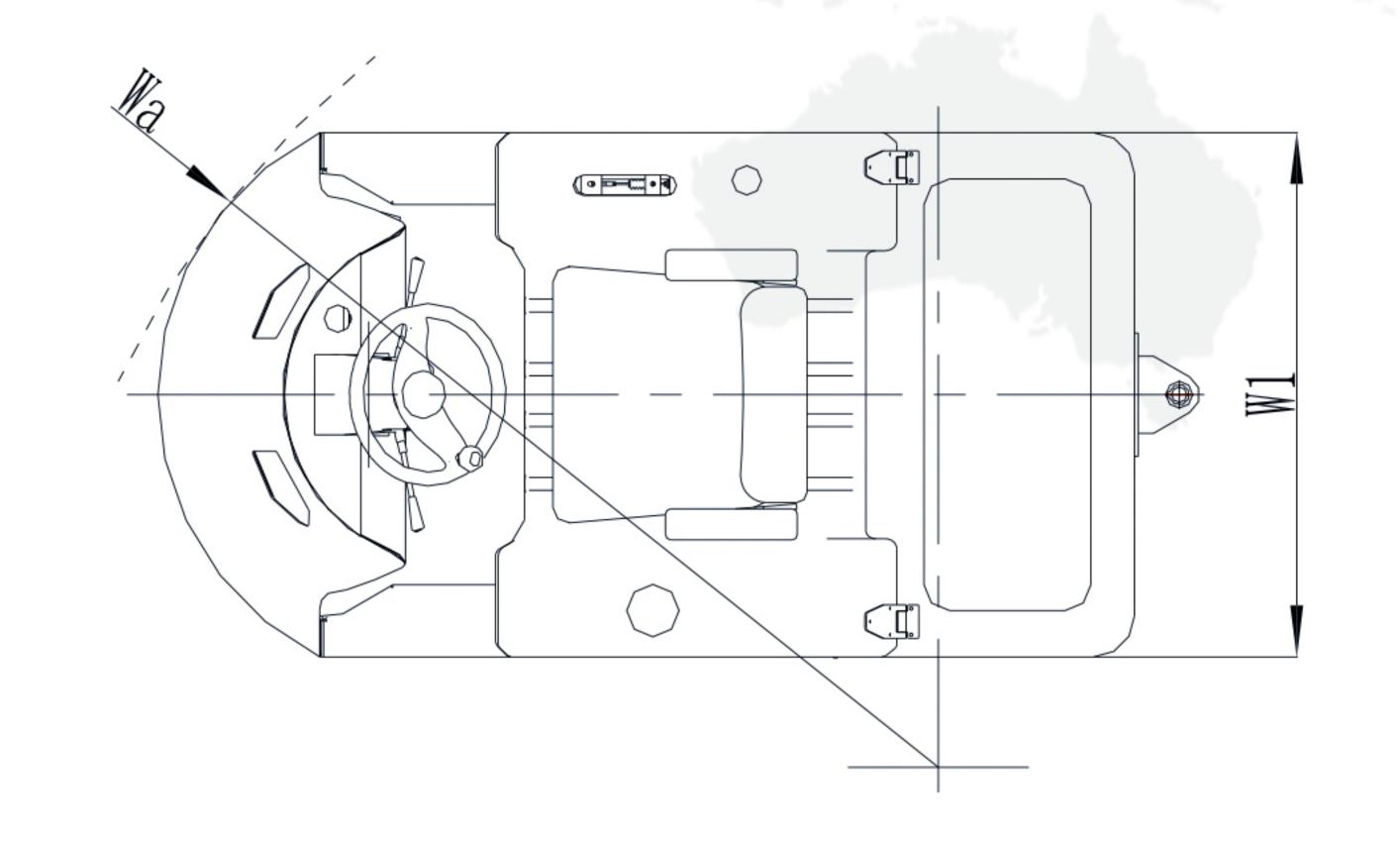
	1.1	Manufacturer			SINOLIFT	
Characteristic	1.2	Model			QSD30	QSD60
	1.3	Power Type			Electric	Electric
	1.4	Type of Operation			Stand-on	Stand-on
	1.5	Steering Mode			Electric Power Steering	Electric Power Steering
	1.6	Wheelbase	у	mm	1110	1110
Weight	2.1	Total Weight (with battery)		kg	985	1180
	2.2	Axle Load (unladen):Drive side/Load-bearing side		kg	1	1
Dimension	3.1	Overall Length	L1	mm	2030	2030
	3.2	Overall Width	W1	mm	1020	1020
	3.3	Overall Height	h5	mm	1350	1350
	3.4	Couping Height (Hook center above ground)	h1	mm	300/350/400	300/350/400
	3.5	Standing Platform	h2	mm	965	965
	3.6	Ground Clearance at center of wheelbase (Min)	m1	mm	110	110
	3.7	Turning Radius	Wa	mm	1520	1520
Tyre	4.1	Tyre Type			Polyurethane/Rubber	Polyurethane/Rubber
	4.2	Tyre Size (Front)		mm	4.00-8	4.00-8
	4.3	Tyre Size (Rear)		mm	4.00-8	4.00-8
	4.4	Wheels Quantity,front/rear (x=driving wheels)			1X/2	1X/2
Performance	5.1	Traveling Speed (laden/unladen)		Km/h	7.5/15	7.5/15
	5.2	Rated Draw-bar Pull	F	N	3800	4500
	5.3	Max.Gradient Performance S25min (laden/unladen)		%	6/15	6/15
	5.4	Service Brake Type			Hydraulic	Hydraulic
	5.5	Parking Brake Type		grant of the	Mechanical	Mechanical
PowerUnit	6.1	Drive Motor Rating (AC) S2-60min		kW	5	5
	6.2	Battery Voltage/Capacity K5		V/Ah	48/200	48/350
	6.3	Battery Weight		kg	360	545
Others	7.1	Controller Brand			CURTIS	CURTIS
	7.2	Controller Model			1232SE	1232SE
	7.3	Sound Levelat Driver's Ear According to EN 12053		dB	70	70







Standard 20mm pin multi jaw tow hitch with three coupling heights. Various optional tow hitches available to suit a wide number of applications



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.



QSD30 QSD60

RIDER ELECTRIC TOW TRACTOR ISO9001



SHANGHAI SINOLIFT MECHANICAL AND ELECTRICAL EQUIPMENT CO.,LTD

Address: No. 2471 Dachuan Road, Nanhui Industry Park, Pudong New District, Shanghai, 201399,P.R.China

Tel: 0086-21-68014500 or 0086-21-58003681

Fax: 0086-21-68014262

Website: www.sinolift.com www.sinoliftchina.com

Skype: sinolift

Whatsapp & Mobile: 0086 138 1757 2420









The QSD30/QSD60 AC combines high-powered towing in a compact maneuverable tow tractor, while providing optimal safety, comfort and ease of use.

Dependability

- Solid frame construction and reliable components ensure long-term reliability and durability.
- AC Control system.
- Automatically applied transmission parking brake.

Productivity

- 3-wheel configuration for optimized maneuverability.
- Compact design and extreme maneuverability.
- Acceleration and travel speeds can be adjusted to the particular needs of the application via the console by a service engineer.
- Anti roll-back software control for easier starting on ramps.

Ergonomics

- Easy access with a low "single" step offering wider floor area.
- High level driver control.
- Comfortable suspension seat.
- Vertical and lateral extraction as standard.
- Reduced torque steering input.
- External inching control to assist driver with trailer hitching (option).
- Power assisted steering on all model.
- Heated cab and slam locking doors (option).

Low Cost of Ownership

- Advanced control features, such as an easy diagnostics via handheld controller that allows the truck to be tailored to the needs of the application.
- Telematics is available.

Serviceability

- Low maintenance AC traction motor with built in thermal protection minimizing service downtime.
- Hour meter and battery indicator will remind the operator of battery charging.

Easy access for maintenance.

- ·Control system allows easy trouble-shooting.
- Low voltage lift cut off design protects the battery. ·Standard Single point Battery
- Water Maintenance System.



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

48 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
- Moreover, the non-slip handle grip can be grasped firmly for sure operation.



Five Individual Braking Systems

- Hydraulic drum brakes to all wheels
- Electronic regenerative braking under deceleration
- Dynamic speed sensing to prevent overspeeding in all driving conditions
- Automatic hill hold. Controller holds vehicle on incline without driver input
- Automatically applied transmission parking brake



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 traction motor
- Automatic deceleration at turns
- Soft-grip steering wheel
- Key switch
- USB charging port
- LED headlight
- LED tail light Full suspension seat (Vinyl)
- Emergency stop Creep speed function
- Safety pedal (for seating driving type tractor)
- Emergency power-of switch
- Electrical park brake (EPB) system Traction device
- Electrostatic conductive belt
- Horn
- Toolbox

OPTIONS:

- Semi-closed cabin
- Fully-enclosed driver's cabin

Cabin with heater or air conditioner

- Lithium battery
- Inching switch
- Battery side roll out
- Reflecting mirror
- Alarm lamp
- Solid tyre
- Big capacity battery
- Crawl speed button

1 CAB OPTIONS

- Un-cabbed
- Steel cab no doors
- Steel cab PVC roll up weather proof doors (model Shown)
- Steel cab lockable slam metal doors

2 ROBUST & DURABLE

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

3 DRIVE AXLE

Full Float carrier type housing with hypoid gears and two stage reduction and leaf spring suspension.

5 STEERING COLUMN

Combined with the standard Tilt/Telescoping Steering Column and two gear boxes, the unit was designed so there is little effort to steer.

6 WIDE AND COMFORTABLE SEAT

This seat is designed to relieve fatigue caused by long periods of operation and it also improves overall driving comfort.

7 DRIVE MOTOR

Heavy duty shunt wound design 48 volt with Class H insulation and brazed commutator connections. Armature is dynamically balanced and mounted on ball bearings.





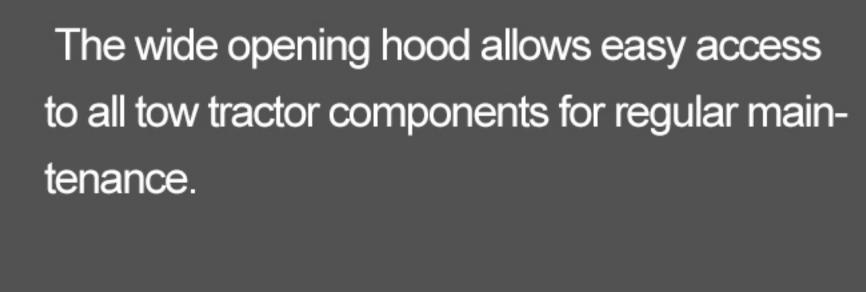








The QSD30/60 300 has headlight and stop/tail light as standard equipment. The headlight is wired to the key so headlight is on at all times with key on.



Side loading and unloading of storage battery can effectively reduce the changing time of batteries so that the working efficiency can be improved.



battery level, hour meter, Maintenance Indicator for service, and programmable maintenance monitor which allows end user to program for maintenance intervals.

Hydraulic drum brakes to all wheels Electronic regenerative braking under deceleration Dynamic speed sensing to prevent

over-speeding in all driving conditions

Reliable accelerator: the inner safety switch ensures safer operation. The service life is more than 10 million times.

Superelastic tyres provide a soft ride and allow for indoor/outdoor operation.

