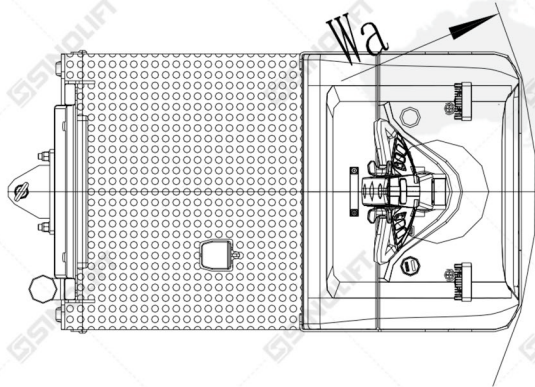
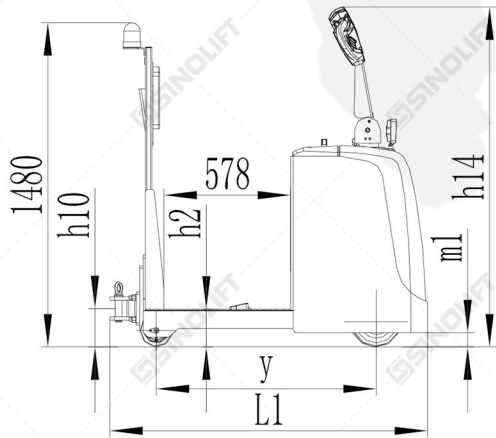


Characteristic	1.1	Manufacturer			SINOLIFT	
	1.2	Model			QSD20M	QSD30M
	1.3	Power Type			Electric	Electric
	1.4	Type of Operation			Stand-on	Stand-on
	1.5	Steering Mode			Electric Power Steering	Electric Power Steering
	1.6	Load Capacity/Rated Load	Q	kg	2000	3000
	1.7	Wheelbase	y	mm	950	950
Weight	2.1	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	1610	1610
	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	φ230x75	φ230x75
	4.3	Tyre Size(Rear)		mm	φ254x100	φ254x100
	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 Vo Ltage/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

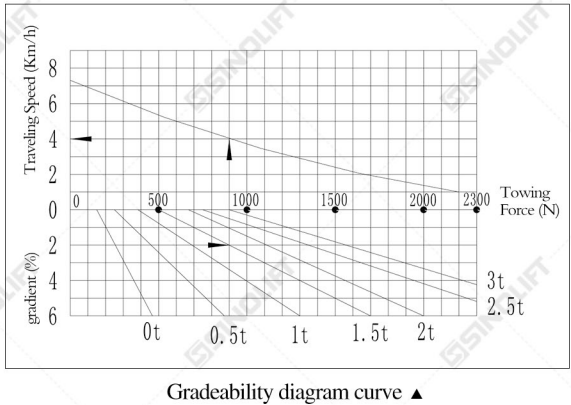


Standard Equipment

- 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
- Single position hook
- Horn
- Tool box
- Standard lead-acid battery
- Low profile operator platform with cushioned mat
- Adjustable console and twin grip steering control

Optional Equipment

- 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



Gradeability diagram curve ▲

SINOLIFT
For material handling

QSD20M / QSD30M
STAND-ON ELECTRIC TOW TRACTOR
ISO9001
CE



Easy Lift, Easy Life!

The QSD20M/QSD30M includes German engineering and design aspects which power over the competition in strength, versatility and usability. This electric tow tractor is perfect for manufacturing plants, warehouses and distribution centers, which depend on their tuggers to keep product moving. Shift after shift, the QSD20M/QSD30M will keep pace with your busy environment. For everything you pull, tug or tow, Sinolift Tow Tractors are built to power through your toughest applications.

Features:

- Electric power steering
- CANBUS programmable control
- Flexible steering
- Non-slip and shock proof pedal
- Manual step-less speed control
- Convenient easy access side battery
- AC brushless motor
- Regenerative braking promotes longer battery life



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Fax: 0086-21-68014262

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

Skype: sinolift

Whatsapp & Mobile: 0086 138 1757 2420

SpECIAL 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.



Stand-on Electric Tow Tractor

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 super-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 coming 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 features, each of which is applicable to particular towing load and driving conditions.

CURTIS Control System

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.



The Rugged 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 servicing.



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 operation.

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.



Compact towing tractors QSD20M / QSD30M (stand-up type), which enable easy long-distance transportation of large quantities of materials and provide operator-friendly superior maneuverability and operability, are your powerful material-handling partners in horizontal transportation.

Amber Flashing Beacon

Standard amber flashing beacon mounted on pole

Multi-function Handle

- Pause button
- Forward/Backward
- Trumpet



Operation Table

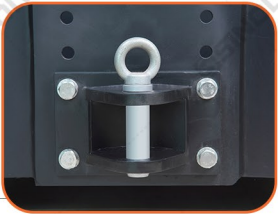
The operation table is simple and beautiful, including:

- Start/stop switch
- Electricity meter
- Keys
- Night vision headlights



Traction Harness

Used to connect tractor and cargo, can be customized with other equipment



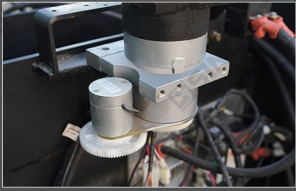
Ergonomics Designed Handle

All truck functions are controlled by the tiller that allows simultaneous operation of all functions with one hand.



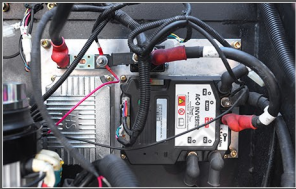
Steering System

With electric steering technology (only electric steering truck model), the truck has reliable and easy steering and superior tracking character.



Controlling System

AC controller with self protection, free maintenance and low noise is assembled.



Large Capacity Batteries

24V/210Ah high-capacity deep-cycle storage battery pack, for the tractor to provide long-term endurance.



Vertical Backrest

Leather back, soft and comfortable, effective relief of operator fatigue.



Pedal to The Brakes

Foot brake pedal, fast and convenient, greatly improve the safety performance of tractor.



AC Motor

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



Drive Wheel

Thickened PU drive wheel, wear-resistant and durable, longer service life.

