



## 10-15t Electric Tow Tractor

with capacities of 10,000 to 15,000kg

### Appearance

/ Body choosing modern large circular arc streamline surface modeling, is in accordance with international design trend.

### Reliability

/ The battery is dropped down to the lowest part of frame, this gives the tractor excellent stability because low center of gravity.

### Comfort

- / Low noise, low shake, energy efficient, environmental protection.
- / Low step and capacious room will be much appreciated by operator who have to get on and off.
- / Ergonomically design switch instrument and pedal. Adjustable steering wheel and seat ensure driver maximum comfortable and minimum fatigue.
- / Full hydraulic steering system, the steering is easy.
- / Large-capacity of the container making the operation more flexible and convenient.

### Advance

- / New AC system provide more power, more precise performance of speed control, more safety and reliability, regenerative system.
- / High effective AC system prolong the working time.
- / Adopt the international first-class brand of LCD, with the battery indication, fault self-diagnosis table and accurately display in the harsh environment function.
- / Rich visual sense improve the productivity.
- / Exchange battery is easy because the design of side-exchange battery.

### Advantage of AC System

- / Multiple benefits of the AC Power System include: fast response to operating commands, precise power control, regenerative system.
- / Economy of operation, resulting from minimized maintenance costs, e.g.
- / A high number of work cycles can be obtained from each battery charge due to the efficiency of the system of energy control.
- / System is fully adjustable to suit the load, working area and operator. Inbuilt diagnostics record intermittent faults and service requirements reducing expensive service time.

### Easy Maintenance

- / You can open and close the battery cover hood for daily checkup the battery, motor and controller. It's easy to access inner of battery cover for maintenance.

### Standard Specification

- |                               |                     |
|-------------------------------|---------------------|
| / Head lamp                   | / Inching function  |
| / Turning lamp                | / AC Power System   |
| / Rear combined LED           | / Standard battery  |
| / Horn                        | / Large LCD display |
| / Emergency disconnect switch | / Pneumatic tyre    |

### Options

- |                                |                         |
|--------------------------------|-------------------------|
| / Super elastic solid tyre     | / Mirror                |
| / High capacity import battery | / Warning lamp          |
| / Simple cabin                 | / Charger               |
| / Closed cabin                 | / Customer painting     |
| / Suspension seat              | / Height of tractor pin |



Forward/Reverse inching switch and emergency switch are mounted on the left rear, them make the hook easy and safe



The large internal space is easy for maintenance



Side change battery design is convenient for changing battery



The battery cover can be fully opened, the design is easy for maintenance

# 10-15t Electric Tow Tractor

		HANGCHA GROUP CO.,LTD.					
Distinguishing marks	1.1	Manufacturer					
	1.2	Manufacturer's type designation	QSD10-C1		QSD15-C1		
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Seated		Seated		
	1.5	Rated capacity/rated load	Q (kg/lb)	10000/22046	15000/33069		
	1.7	Rated drawbar pull	F (N/lbf)	2500/562	3750/843		
	1.9	Wheelbase	y (mm/in)	1200/47.2	1400/55.1		
Weight	2.1	Service Weight	kg/lb	2200/4850	2450/5400		
Tyres, chassis	3.2	Tyre size, front	5.0-8				
	3.3	Tyre size, rear	6.0-9				
	3.5	Wheels, number front / rear (x = driven wheels)	2/2				
	3.6	Tread, front	b <sub>10</sub> (mm/in)	897.5/35.3			
	3.7	Tread, rear	b <sub>11</sub> (mm/in)	908/35.7			
Dimensions	4.7	Height of overhead guard (cabin)	h <sub>6</sub> (mm/in)	1440/56.7	2112/83.1	1440/56.7	2112/83.1
	4.12	Coupling height	h <sub>10</sub> (mm/in)	350/450	13.8/17.7	350/450	13.8/17.7
	4.19	Overall length	l <sub>1</sub> (mm/in)	2122/83.5		2322/91.4	
	4.21	Overall width	b <sub>1</sub> (mm/in)	1100/43.3		1100/43.3	
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub> (mm/in)	100/4		100/4	
	4.35	Turning radius	W <sub>a</sub> (mm/in)	1985/78.1		2170/85.4	
Performance Data	5.1	Travel speed, laden/unladen	kph / mph	10/18	6.2/11.2	10/18	6.2/11.2
	5.5	Drawbar pull at 60 minute rating	N/lbf	2500/562		3750/843	
	5.6	Max. Drawbar pull at 5 minute rating	N/lbf	8000/1798		11000/2473	
	5.7	Gradeability, laden/unladen	%	- / 25		- / 25	
Electric-engine	6.1	Drive motor rating S2 60 min	kW/hp	6.8/9.1		11.75/15.8	
	6.4	Battery voltage, nominal capacity K5	V/Ah	48/420		80/450	

