#### **QD-D Electric Towing Tractor**



- Rider operated tow tractors are ideal for use in warehouses, factories, hospitals, laboratories and external sites.
- The operator simply hooks up the tow hitch to the required
- Ideal for walk on/off order picking operations.
- Quiet in operation.



#### ■ Specifications of QD-D series Electric Towing Tractor

- openinearions or Q							
Model		QD-20D	QD-30D	QD-40D			
Towing Capacity		kg	2000	3000	4000		
Driving Motor		w	DC-24V-2000W (Separatedly Excited Motor)				
Battery			D-240A 24V	D-300A 24V			
Battery Charger		Α	40	45	45		
Driving Speed		km/h	7	7			
Controller Type			405°F, Auto	natic Frans nission, Front Orive	e or Back Drive		
Working Time		Hours	6	6	5		
Min. Turning Radius	R	mm	1000	1380	L33)		
Operation Type			Stand-on	Stand-on	Stand-on		
Ground Clearance		mm	85	85	35		
Stand-on Plate Height		mm	230	230	230		
Steering Wheel		mm	Ф210x80	Ф210х80	D213(3)		
Drive Wheel		mm	Ф250x90	Ф250х90	⊅250x90		
Overall Length	L	mm	1490	1690	L79)		
Overall Width	w	mm	820	820	320		
Overall Height	Н	mm	1350	1350	L350		
Service Weight		kg	1150	1450	1550		



Safe automotive controls and steering wheel eliminate hand injuries and carpal tunnel syndrome hazards associated with twist grip controls State-of-the art programmabhle

CURTIS transistor controller motor provides smooth and seamless control Auto reset circuit breaker and fusedcontrol circuit designed to protect the electrical systemck system .



Hight capacity traction battery with battery state and hourmeter will give prolonged daily use. Easy access dash controls.



### ■ Specifications of QTT & QCT series Prime Mover

Model		QTT-20		QCT-20	
Towing Capacity	kg lbs	2000	4409	2000	4409
Lifted Drawbar Height	mm inch	325	12.8"	325	12. 8"
Lowerd Drawbar Height	mm inch	200 7.9"		200	7.9"
Overall Length	mm inch	1339 52.7*		1464	57. 6"
Overall Width	mm inch	750	29.5"	750	29. 5"
Overall Height	mm inch	1390	54.7"	1390	57. 6"
Drawbar	mm inch	¢ 30*60	⊄1.2"*2.7"	¢30*60	¢1.2*2.7"
Tuming Radius	mm inch	mm inch 1120 44.1"		1400	55. 1"
Travel Speed (with Load)	km/hr	4-	-5	4-	-5
Travel Speed (without Load)	km/hr	5~6		5~6	
Drive Motor	kw	24V*1.1kw		24V*1.1kw	
Hydraulic Motor	kw	24V*2kw		24V*2kw	
Battery		24V*170Ah/5Hr		24V*170Ah/5Hr	
Battery Charger		Ac1 ⊄ *220v,50Hz		Ac1 € *220v,50Hz	

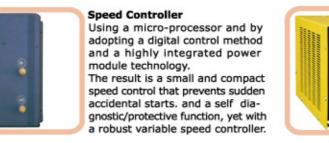


The units front wheels automatically raise allowing the trailer to be easily moved into any desired position. Please contact our sales department formore information on our ange of trailers.

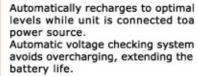


The Prime Mover clamp is positioned in front of the trailer. The clamping action is electronically adminsitered from the control panel.

The Prime Mover securely engages the trailer with a positive hydraulic powered clamp.



## **Battery Charger**





# QDD/QD/QTT/QCT Series

**Electric Towing Tractor** 

ISO9001



## SINOLIFT MATERIAL HANDLING EQUIPMENT CORP.

ADD: 618 Xile Road, Nanhui, Shanghai, China 201300

TEL: +86 21 68014500 /+86 21 58003681 FAX: +86 21 68014262 /+86 21 68038190

EMAIL: info@sinolift.com WEB: www.sinolift.com



## Sinolift – For material handling

## www.sinolift.com



QDD Electric Towing Tractor



- The programmable electronic controllers.
- Hydraulic disc brakes and heavy duty construction.
- O Guarantee a more rugged, more efficient, and more easily maintained electric powered tow tractor.



### ■ Specifications of QDD series Electric Towing Tractor

Model			QDD-20	QDD-50	QDD-100	QSD-100
Operating Type			3-Fulcrums	, Back Drive, Hydraul	lic Brake, MOFSET, H	and Brake
Drawbar Pull		N	1250	1700	2500	2500
Towing Capacity		kg	2300	5000	10000	10000
Driving Speed		km/h	8	8	8	12
Turning Radius (outside)	R	mm	1350	1650	1880	1880
Gradeability		%xM	10%×12m	10%×12m	10%×12m	10%×12m
Motor Model			XQ-3-3B	XQ-4.5-2	XQ-6.3	XQ-6.3
Rated Powe		kw	3	4.5	6.3	6.3
Rated Voltage		V	45	45	45	45
Rated Current		Α	87	120	173	173
Rated Rotate Speed		EPM	1780	1780	1200	1200
Seat Height (above ground)	H1	mm	1050	1050	1050	1050
Drawbar height (above ground)	H2	mm	350	350	350	350
Overall Size	LxWxH	mm	1684x677x1340	1755x900x1380	2200x1100x1590	2200x1100x1590
Wheel Base	L1	mm	970	1040	1300	1250
Ground Clearance		mm	60	60	105	105
Front Wheel			4.00-8/×1	4.00-8/×1	4.00-8/×2	5.00-8/×2
Rear Wheel			4.00-8/×2	4.00-8/×2	6.00-9/×2	6.50-10/×2











Human-based design and

QDD-F Electric Towing Tractor 

The program-mable electronic controllers, hydraulic disc brakes, and heavy duty construction, guarantee a more rugged, more efficient, and more easily maintained electric powered tow tractor.

> Features unique front steering system is virtually maintenance free and provides extremely tight turning in restrictive spaces.





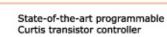
■ Specifications of QDD-F series Electric Towing Tractor

Model				QDD-20F	QDD-50F	QDD-80F	QDD-100F	
Operating Type				4-Wheels, Back Drive, Hydraulic Brake System, MOFSET, Hand Brake				
Drawbar Pull			N	800	1100	1100	250N	
Towing Capacity			kg	2000	5000	8000	10000	
Drive Speed (full-loade	ed)		km/h	11	10	8	8	
Turning Radius		R	mm	2200	2200	2200	2200	
Gradeability (full-loade	ed)		(%×m)	10%×12m	10%×12m	10%×12m	10%×12m	
Load Distribute front wheel		kg	420	492	492	630		
rear wheel		kg	520	608	608	1180		
Service Weight			kg	940	1100	1100	1810	
Load Rate (front : rear)				0.45: 0.55	0.45: 0.55	0.45: 0.55	0.35: 0.65	
Motor Model				XQ-3-1	XQ-4.5	XQ-4.5	XQ-6.3	
Rated Power		kw	3	4.5	4.5	6.3		
Rated Voltage		V	45	45	45	45		
Rated Current		Α	87	120	120	173		
Rated rotate speed			EPM	1780	1600	1600	1200	
Overall Size LxWxH		LxWxH	mm	1700x1130x1300	1700x1130x1300	1700x1130x1300	2095x1080x1390	
Wheel base L1		L1	mm	1030	1030	1030	1150	
Tread	front wheel		mm	980	980	980	920	
rread	rear wheel		mm	1000	1000	1000	890	
Ground Clearance B		mm	110	110	110	142		
Seat Height (above ground) H1		mm	1050	1050	1050	1050		
Drawbar Height (above ground) H2		mm	320	320	320	365		
Wheel (Penumatic)	front Wheel			145/70-R12/×2	145/70-R12×2	145/70-R12×2	6.50-10/×2	
irrical (randinada)	rear Wheel			145/70-R12/×2	145/70-R12×2	145/70-R12×2	6.50-10/×2	









QD-B Electric Towing Tractor 

This QD-B Electric Tow Tractors are ideal machines for indoor as well as outdoor applications.

O The all-new QD-B has automotive style controls making them every operator's first choice.

O The QD-B is equipped as standard with four wheel hydraulic drum brakes, all round suspension, regenerative braking and fully adjustable acceleration / deceleration.



## ■ Specifications of QD-B series Electric Towing Tractor

Model			QD-20B	QD-30B	QD-50B			
Load Capacity		kg	2000	3000	5000			
Driving Motor		v/w	DC-24V-2000W	DC-24V-2000W	DC-24V-3000W			
Battery		v/Ah	D-240A 24V	D-300A 24V	D-300A 36V			
Battery Charger		Α	40	45	45			
Steering			Manual front wheel steering and all wheel drive					
Brake			Hydraulic 4 wheel disc brakes independent, servo actuated type.					
Parking			Mechanical Parking brake actuated					
Driving Speed		km/h	7	7	7			
Working Time		Hrs.	6	6	6			
Min. Turning Radius	R	mm	1000	1380	1380			
Operation Type			Rider	Rider	Rider			
Min. Under-clearance		mm	85	85	85			
Steering Wheel		mm	White Rubber Φ267x127	White Rubber Φ267x127	White Rubber Ф267x127			
Drive Wheel		mm	Ф330х165	Ф330х165	Ф330х165			
Overall length	L	mm	1490	1630	1700			
Overall width	W	mm	820	820	820			
Overall height	н	mm	1350	1350	1350			
Service Weight		kg	1150	1450	1580			









Ecostar DC drive units

High capacity traction battery

Easily checking layout components

Ergonomic designed operation

operator perception system

Simply hooks up the tow hitch Heavy duty construction to the required trailer