

Pedestrian Tow Tractor



Model: QDD25W

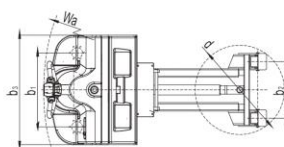
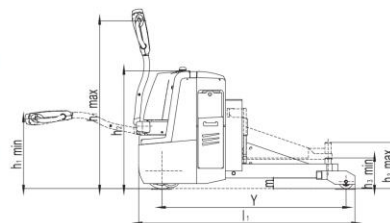
Special for textile factory



● Double balance wheels on the chassis, providing more stable operation.



● AC driving system provides more efficient operating, lower circuit failure rate and stronger motor power.
● Brushless AC motor features better heat dissipation and maintenance free.
● Regenerative braking reduces the attrition.



MODEL	QDD25W
Drive type	electric
Operation type	pedestrian
Load capacity	Kg 2500
Rated drawbar pull	F(N) 750
Wheelbase	Y(mm) 1303
Service weight (with battery)	kg 580
Axle loading, laden front/rear	kg 445/135
Tyres	Polyurethane
Tyre size, front	mm 250
Tyre size, rear	mm 98
Wheels, number front/rear (x=driven wheels)	X1/2
Tread, rear (balanced wheel)	b1(mm) 524
Tread, front	b2(mm) 400
Height of tiller in drive position min./max	h1(mm) 495/1185
Overall length	l1(mm) 1532
Overall width	b3(mm) 775
Overall height	h2(mm) 833
Ground clearance, centre of wheelbase	m(mm) 75
Drawbar pull min/max height	h3(mm) 217/327
Turning radius	Wa(mm) 1515
Minimum turning diameter	d(mm) 632
Travel speed, laden/unladen	Km/h 4.5/5
Gradeability, laden/unladen	% 5/12
Service brake	electromagnetic
Battery voltage/nominal capacity	V/Ah 24/165
Battery weight	kg 175
Battery dimensions l/w/h	mm 750x170x465
Sound level at the driver's ear acc. to DIN12053	dB(A) 65
Traction connection mode	axis pin

1KG=2.205LB 1INCH=25.40MM

Electric Puller



Model: QDD15W

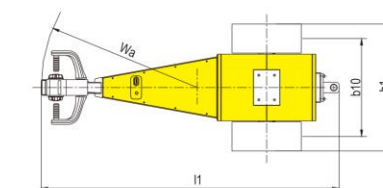
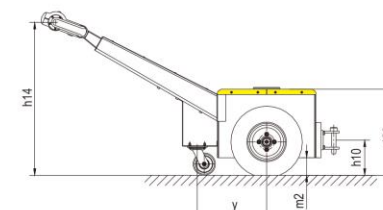
1KG=2.205LB 1INCH=25.40MM



Advantages:

- Small and powerful, fit to any worker, male or female.
- Stepless speed control, smooth/controllable speeds.
- Electrically powered with built-in charger, free from taking heavy charger.
- Gel battery, free from maintenance.
- Emergency stop device.
- Rubber pneumatic drive wheel with alternative tread patterns and material specifications.
- Low battery protection setting.
- Significant productivity gains-either through a reduction in man power required to move loads, or increased speed of moving loads.
- Fingertip control and compact size make the unit easy to maneuver.
- Charger with UL certificate.
- Ergonomic handle.

MODEL	QDD15W
Drive type	electric
Operation type	pedestrian
Load capacity	Q(kg) 1500
Rated drawbar pull	F(N) 300
Wheelbase	y(mm) 395
Axle loading, unladen front/rear	kg 107/43
Tyres	rubber, pneumatic
Tyre size, front	mm 16x6.5-8.00
Tyre size, rear	mm 127
Wheels, number front/rear(x=driven wheels)	x2/1
Tread, front	567
Height of tiller in drive position min./max	890
Overall length	h _u (mm) 1695
Overall width	l ₁ (mm) 722
Ground clearance, centre of wheelbase	b ₁ /b ₂ (mm) 100
Turning radius	m ₁ (mm) 1290
Travel speed, laden/unladen	W ₁ (mm) 4.8/5.5
Drawbar pull, laden/unladen	Km/h 300
Max. drawbar pull, laden/unladen	N 1000
Service brake	N electric
Battery voltage, nominal capacity K5	24/80
Battery weight	V/Ah 51.2
Battery dimensions l/w/h	kg 259x169x215
Type of drive control	mm MOSFET
Sound level at the driver's ear acc. to DIN 12053	70
Service weight (with battery)	dB(A) 150
Quantity/20' container	kg 48
Quantity/40' container	Pcs 96
Max. additional load, front wheel	Pcs
Draw chassis height	kg 150
	h _u (mm) 178/218/258



Electric Platform Tractor

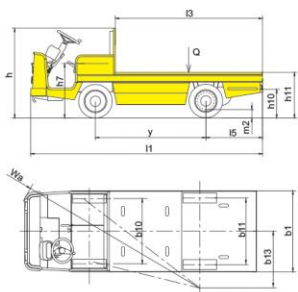
Model: BD20/25/30



Optional of cabin

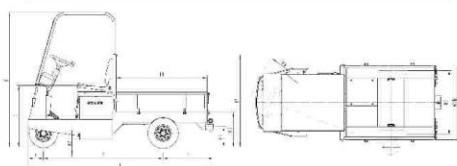
Model: BD10S/15S

Remark: Special size can be made according to customer's requirement.



1KG=2.205LB 1INCH=25.40MM

MODEL		BD20	BD25	BD30
Drive type		electric	electric	electric
Operation type		seated	seated	seated
Load capacity	Q(kg)	2000	2500	3000
Wheelbase	y(mm)	1600	1500	1850
Axle loading, laden front/rear	kg	1104/2346	975/2825	1660/3090
Axle loading, unladen front/rear	kg	676/774	590/710	865/885
Tyres		pneumatic	solid	pneumatic
Tyre size, front		6.00-9-10pr	16x5x10 1/2	6.00-9-10pr
Tyre size, rear		6.50-10-10pr	16x5x12 1/2	6.50-10-10pr
Wheels, number front rear(x=driven wheels)		2/2x	2/2x	2/2x
Tread, front	b _u (mm)	1080	920	1080
Tread, rear	b _r (mm)	1070	925	1230
Seat height/stand height	h _s (mm)	800	770	800
Coupling height	h _c (mm)	500	400	550
Loading height, unladen	h _u (mm)	750	620	780
Length of loading surface	l _l (mm)	2000	2000	2240
Overhang	l _o (mm)	630	770	630
Width of loading surface	b _l (mm)	1250	1100	1400
Overall length	l _t (mm)	3200	3150	3440
Overall width	b _t /b _s (mm)	160	90	160
Ground clearance, centre of wheelbase	m ₂ (mm)	3200	3000	3400
Turning radius	W _t (mm)	1400	1040	1500
Internal turning radius	b _u (mm)	11/13	9/12	11/13
Travel speed, laden/unladen	Km/h	10/20	10/20	10/20
Gradeability, laden/unladen	%/m	hydraulic	hydraulic	hydraulic
Service brake		48/330	48/250	48/395
Battery voltage, nominal capacity K5	V/Ah	662	430	774
Battery weight	Kg	740x426x505	740x426x390	740x426x505
Battery dimensions l/w/h	mm	75	75	75
Sound level at the driver's ear acc. to DIN 12053	dB(A)	1450	1300	1750
Service weight (with battery)	Kg			



1KG=2.205LB 1INCH=25.40MM

MODEL		BD10S	BD15S
Drive type		electric	electric
Operation type		seated	seated
Load capacity	Q(kg)	1000	1500
Wheelbase	z(mm)	1600	1600
Tyre size, front		15x4 1/2-8	15x4 1/2-8
Tyre size rear		15x4 1/2-8	4.00-8
Length of loading surface	L1(mm)	1220	1220
Width of loading surface	W(mm)	1000	1000
Loading height, unladen	H2(mm)	460	480
towing height	H3(mm)	260	280
Seat height/stand height	H4(mm)	835	835
Overall length	L(mm)	2485	2485
Overall width	B(mm)	1000	1000
height (standard)	H(mm)	1800	1810
height (with cabin)	H1(mm)	1240	1250
Ground clearance, centre of wheelbase	m2(mm)	100	110
Turning radius	Wa(mm)	1998	1998
Travel speed, laden/unladen	Km/h	12/13	10/13
Max. gradeability, laden/unladen	%	10/15	10/15
Service brake		hydraulic	hydraulic
Battery voltage, nominal capacity K5	V/Ah	48/240	48/270
Battery weight	kg	350	400
Service weight (with battery)	kg	980	1080

Electric Truck With Crane

Model: DC500



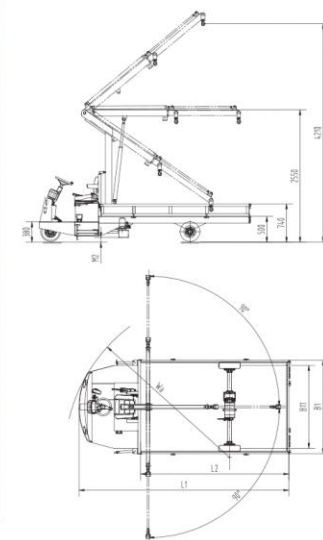
1KG=2.205LB 1INCH=25.40MM

MODEL	DC500
Drive type	electric
Operation type	seated
Rated Lifting Capacity	(kg.m) 250x2.5
Rated Load capacity	kg 2000
Wheelbase	Y(mm) 2675
Axle loading,unladen front/rear	kg 830/870
Tyres	rubber
Tyre size, front	φ 380x114
Tyre size, rear	φ 380x114
Wheels,number front rear(x=driven wheels)	1/2x
Tread,rear	b _u (mm) 1609
Overall length	l _l (mm) 4026
Length of vehicl bin	l _l (mm) 2844
Overall width	b _t (mm) 1800
Ground clearance,centre of wheelbase	b _l (mm) 90
Aisle width	m ₂ (mm) 2000
Turning radius	A _u (mm) 3170
Travel speed, laden/unladen	W _t (mm) 12/13
Max.gradeability, laden/unladen	Km/h 10/15
Service brake	% Manual/Hydraulic
Battery voltage, nominal capacity K5	48/270
Battery weight	V/Ah 400
Battery dimensions l/w/h	Kg 814x416x578
Sound level at the driver's ear acc.to DIN 12053	mm 70
Service weight (with battery)	dB(A) 1700
	kg

Advantages:

- The truck is small and compact design, wide view provides safe operation, low noise and no pollution, which especially fit for loading/unloading and carrying goods in places like factories, docks, warehouses and so on.
- Auxiliary balance point on both sides of the truck, safety for loading and unloading.
- It has wide operation scope and high efficiency.
- Small turning radius fit for working on narrow places.
- It has buzzing alarm function when back running.
- Driving wheel replacement and maintenance is easy and convenient. AC driving motor is maintenance free and has long using time.
- High-performance multi-function meter displays: battery power, accumulative working hour, fault code etc, which has high reliability no matter what bad environment it is in.
- Hand breaking combining with hydraulic breaking improve the truck's safety performance.
- Adjustable steering wheel satisfies different drivers.
- The steering wheel has automatic reset function.
- Cover with reasonable design, reliable and easy to dismantle, which makes the maintenance of the electrical parts very easy.
- Integrated electric layout reduces wiring complexity, making the line clear, orderly and easy to repair. The electric system is reliable and quakeproof.

Lifting Capacity - arm length chart



Electric Tow Tractor



Model: QDD20/30/50/60



Advantages:

SAFETY AND STABILITY:

- Multi-function display: battery status, hour meter, error code etc.
- The application of hand brake and hydraulic brake improve the safety level of truck.
- Stepless speed control.
- Equipped with adjustable steering wheel, adapted to different operators.
- Advance linking system is designed with orienting and fixing bracket to the trailer.
- Low noise.

STRUCTURAL:

- "H" type axle design gives a good stability.
- Batteries located in the lowest part of frame ensures tow tractor excellent stability because of low centre of gravity.
- Automatic reset make operation easier.

SERVICEABILITY:

- CANbus technology reduces wiring complexity and increase reliability.
- The back cover is easy to open for maintenance and replacement of parts such as drive wheel, oil tube, accelerator, controller etc.

OPTION:

- Cabin
- Double front lamp



Back cover easy to open for service.



Large capacity batteries located in the lowest part of frame, offers low centre of gravity.



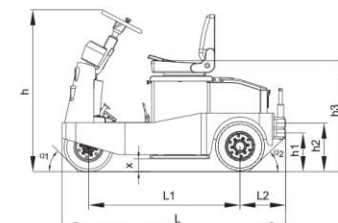
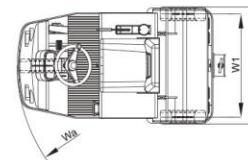
Adjustable steering column with electric F/R lever.



Multi function display

1KG=2.205LB 1INCH=25.40MM

MODEL		QDD20	QDD30	QDD50	QDD60	QDD100
Drive type		Electric	Electric	Electric	Electric	Electric
Operation type		Seat	Seat	Seat	Seat	Seat
Rated traction weight(60 minutes rated)	kg	2000	3000	5000	6000	10000
Rated traction(60 minutes rated)	N/kg	500/50	750/75	1250/125	1500/150	500/50
Max. traction(5 minutes rated)	N/kg	2000/200	3000/300	5000/500	6000/600	10000/1000
Drawbar center height	H1/H2(mm)	280/350	280/350	280/350	280/350	320/400
Weight	kg	930	980	1160	1280	1160
Axle loading, front	kg	330	350	410	450	750
Axle loading, rear	kg	600	630	750	830	1440
Tyre number front/rear	X—Driven wheels	1/2X	1/2X	1/2X	1/2X	2/2X
Tyre size, front	solid rubber	16"4 1/2-8	16"4 1/2-8	16"4 1/2-8	16"4 1/2-8	6.00-8-10PR
Tyre size, rear	solid rubber	16"4 1/2-8	16"4 1/2-8	4.00-8	4.00-8	6.50-10-12PR
Wheelbase	L1(mm)	1170	1170	1280	1280	1320
Rear hanging distance	L2(mm)	350	350	450	450	600
Tread, front	W2(mm)	0	0	0	0	920
Tread, rear	W1(mm)	860	860	946	946	970
Seat height	h3(mm)	850	850	910	910	1050
Overall length	L (mm)	1720	1720	1940	1940	2485
Overall width	W(mm)	970	970	1100	1100	1160
Overall height	h (mm)	1250	1250	1250	1250	1480
Approach angle α 1		≥45°	≥45°	≥45°	≥45°	≥38°
Departure angle α 2		≥40°	≥40°	≥40°	≥40°	≥30°
Min. ground height	X (mm)	100	100	100	100	138
Min. turning radius	Wa (mm)	1519	1519	1650	1650	2200
Travel speed, laden	km/h	8	7	8	7	6.5
Travel speed, unladen	km/h	13	13	14	14	7
Max. gradeability, laden	%	6	6	6	6	6
Max. gradeability, unladen	%	15	15	15	15	15
Brake						
Voltage	V	48	48	48	48	48
Capacity	Ah	240	270	Mechanical, Hydraulic 360	400	540
Battery weight	kg	350	400	530	610	950
Travel control						
Average noise	Db(A)	68	68	68	68	68
Traction bolt		Traction bolt	Traction bolt	Microprocessor mesfet Traction bolt	Traction bolt	Traction bolt



Trailer 4 wheels

Model: DT30/60



Technical parameters of trailer

Model		DT30	DT60
Capacity	Kg	3000	6000
Weight	Kg	350	450
Platform height	mm	500	560
Outline dimension(L x W x H)	mm	2550x1000x1100	3320x1250x1180
Platform size	mm	1800x1000	2500x1200
Wheel dimension	mm	15x4 1/2-8	16x6x10 1/2
Drawbar height	mm	200	200
Min. ground clearance	mm	170	180
Tractor model for choice		QDD20, QDD30	QDD50, QDD60

- Cargo loading platform are available in different size as customer special requirements.

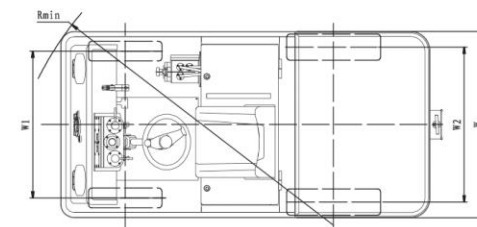
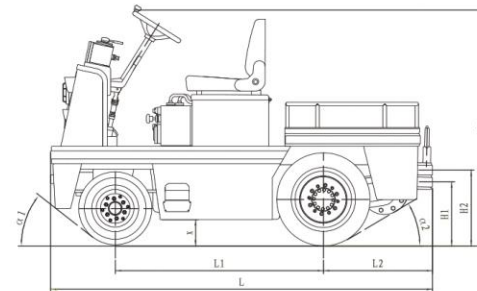
Explosion-proof reach truck

Model: QSD100Ex

Our innovated Explosion-proof AC Powered Tractor QSD100Ex with big capacity 10000kg Mainly used in most used in petroleum and chemical production sites, such as petroleum, chemical, military, paper, medicine, ammunition depots and dangerous goods warehouses.



MODEL		QSD100Ex
Drive type		Electric
Operation type		Seat
Rated load capacity(60 minutes rated)	kg	10000
Rated traction(60 minutes rated)	N/kg	2500/250
Max. traction(5 minutes rated)	N/kg	10000/1000
Drawbar center height	h1/h2(mm)	320/400
Weight	kg	2190
Axle loading, front	kg	750
Axle loading, rear	kg	1440
Tyre number front/rear	X—Driven wheels	2/2X
Tyre size, front	solid rubber	6.00-8-10PR Ex
Tyre size, rear	solid rubber	6.50-10-12PR Ex
Wheelbase	L1(mm)	1320
Rear hanging distance	L2(mm)	600
Tread, front	W2(mm)	920
Tread, rear	W1(mm)	970
Seat height	h3(mm)	1050
Overall length	L (mm)	2485
Overall width	W(mm)	1160
Overall height	b (mm)	1480
Approach angle α 1		≥ 38°
Departure angle α 2		≥ 30°
Min. ground height	X (mm)	138
Min. turning radius	Via (mm)	2200
Travel speed, laden	km/h	6.5
Travel speed, unladen	km/h	7
Max. gradeability, laden	%	6
Max. gradeability, unladen	%	15
Brake		Mechanical, Hydraulic
Voltage	V	48
Capacity	Ah	540
Battery weight	kg	950
Travel control		Microcomputer mosfet
Average noise	dB(A)	68
Traction bolt		Traction bolt



Advantages:

- Explosion-proof special power device
- Special sealed battery
- Explosion-proof special Cable connection
- Explosion-proof AC Frequency Oil Pump motor
- Explosion-proof AC Frequency Traction motor
- Explosion-proof Controller of Industrial trucks
- Explosion-proof Operating box of Industrial trucks
- Explosion-proof electric horn of Industrial trucks
- Explosion-proof Accelerator box of Industrial trucks
- Explosion-proof lights of Industrial trucks
- Explosion-proof Signal lamp of Industrial trucks
- Explosion-proof Traveling Switch (two)



Explosion-proof light



Explosion-proof operating box



Explosion-proof special cable connection



Explosion-proof accelerator



Explosion-proof seat



Explosion-proof special power device



Explosion-proof controller



Explosion-proof traction motor



Explosion-proof towing device



Explosion-proof antistatic tyre