



A Series Electric Tow Tractor

with capacities of 3,000 to 5,000kg

HANGCHA A series 3.0-5.0t electric tow tractor is mainly applied in short-distance transportation among the production lines. Low operator platform for frequent and effortless entry and exit. Thanks to the standing design, it can greatly improve the efficiency of operations. Furthermore, for indoor application, the electric drive system is environmental friendly within the workshop. Therefore, this product is a good partner of automobile manufacturing, logistics companies, warehouses and other places, fields which has broad application prospects.

Appearance

- / A series 3.0-5.0t electric tow tractor applied professional industrial design, stream lines, and compact, and fully ergonomic consideration, in line with the latest design trends.
- / Applied steel stamping and injection molding processes for front and back guard, which is robust, durable, and also environmental compliance.

High Performance

- / Electric power steering is standard specification, which provides flexible operation.
- / Powered by AC traction motor not only has good acceleration and climbing performance, but also low heat, brushless, maintenance-free.
- / Latest AC control system, precise and smooth.
- / CAN-BUS connection enables all truck data can be read out for inspection, and also improves the data transition more quick and reliable.
- / Regenerative braking for battery recovery during travel speed reduction, anti-slope on gradient.
- / All key parts such as switches, connectors, battery indicator and hour meter all adopt the famous brand.

Reliability

- / 3-pivot and side support bar system design ensure the safe and reliability.
- / Imported waterproof connectors, all wires and cables are protected, greatly improve the reliability of the electric system.
- / Safety switch of pedal using non-contact proximity switch, improves safety and reliability.
- / Though sideway battery change is standard specification, fixed in safe and reliable way.

Comfort

- / The pedal applies shock absorption design, greatly improve the operator's comfort, reduce the fatigue.
- / Backrest height can be adjusted within a certain range, and the backrest with hip support can greatly improve the comfort of the operator.
- / Sideway change battery is the standard specification. The inching switches installed at the LH/RH side, greatly improve the ease of operation.
- / The easy to reached storage space is convenient for the operator.
- / Compact size, light weight and flexible, extremely easy to operate, can easily go through even in a compact space.

Safety

- / Automatic deceleration during turning.
- / Pedal has a safety switch, which can effectively prevent mis-operation.
- / Three braking system of regenerative braking, reverse current braking, parking brake, insures the safe operation.
- / Steel front shield assures excellent safety for the operation.

Maintenance

- / AC motor without carbon brushes, maintenance-free, cost saving.
- / Integrated battery indicator, hour meter and self-diagnostic instrument.
- / Full opened hood, easy accessibility of all components, is easy for service.
- / All shafts are equipped with shaft sleeve and oil cup, easy maintenance, prolong service life.

Standard Specification

- | | |
|--------------------------------------|------------------------------|
| / AC drive motor | / Battery indicator |
| / Electric steering system | / PU wheel |
| / Inching switch(LH/RH) | / Multi-function handlebar |
| / Emergency cut off switch | / Horn |
| / Stand-on pedal with shock absorber | / Tool box |
| / Adjustable supportive backrest | / Standard lead-acid battery |
| / Sideway change battery | |

Options

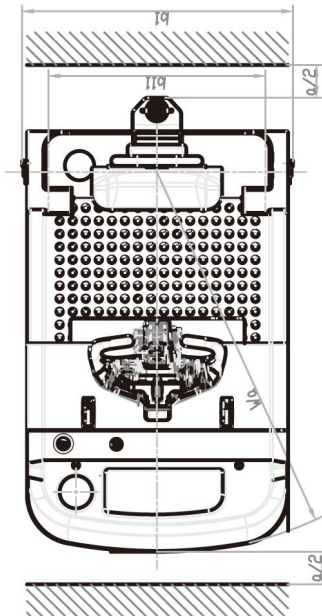
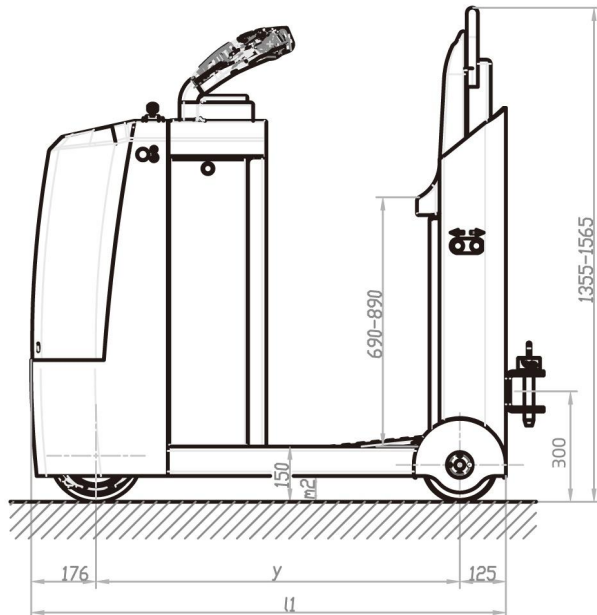
- | | |
|-----------------|---------------------------------------|
| / Rubber wheel | / Big capacity battery |
| / Warning light | / Anti-collision bumper |
| / Working light | / Different height of towing coupling |
| / Handrail | / Review Mirror |



A Series Electric Tow Tractor

		HANGCHA GROUP CO.,LTD.			
Distinguishing marks	1.1	Manufacturer			
	1.2	Manufacturer's type designation	QDD3-ASC1 QDD3-ASZ3	QDD5-ASC1 QDD5-ASZ3	
	1.3	Drive	Electric	Electric	
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker	Standing	Standing	
	1.5	Load capacity/rated load	Q (kg/lb)	3000/6614	5000/11023
	1.7	Rated drawbar pull	F (N/lbf)	600/135	1000/225
	1.9	Wheelbase	y (mm/in)	957/37.7	978/38.5
Weights	2.1	Service Weight	kg/lb	900/1984.2	1000/2204.6
	2.3	Axle loading, front/rear	kg/(lb)	610/290 (1345/639)	700/300 (1543/661)
Wheels, Chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		PU	PU
	3.2	Tyre size, front	mm/in	Φ230×75 / Φ9.1×3.0	Φ250×100 / Φ9.8×3.9
	3.3	Tyre size, rear	mm/in	Φ200×100 / Φ7.9×3.9	Φ200×100 / Φ7.9×3.9
	3.5	Wheels, number front /rear (x=drive wheels)		1×/2	1×/2
	3.7	Track width, rear	b ₁₁ (mm/in)	665/26.2	665/26.2
Dimensions	4.8	Seat height/stand height	h ₇ (mm/in)	150/5.9	150/5.9
	4.1.9	Overall length(without traction pin)	l ₁ (mm/in)	1289/50.7	1289/50.7
	4.2.1	Overall width	b ₁ (mm/in)	830/32.7	830/32.7
	4.3.2	Ground clearance, centre of wheelbase	m ₂ (mm/in)	70/2.8	70/2.8
	4.3.5	Turning radius	W _a (mm/in)	1172/46.1	1172/46.1
Performance Data	5.1	Travel speed, laden/unladen	km/h (mph)	7.0/10.0 (4.4/6.2)	7.0/10.0 (4.4/6.2)
	5.5	Drawbar pull at 60 minute rating	N/lbf	600/135	1000/225
	5.6	Max. Drawbar pull at 5 minute rating	N/lbf	2400/540	3200/719
	5.7	Gradeability, laden	%	4	4
	5.1.0	Service brake		Electronmagnetic	Electronmagnetic
E-Motor	6.1	Drive motor rating S2 60 min.	kW/hp	2.2/2.95	3/4.02
	6.4	Battery voltage,rated capacity(STD.)	V/Ah	24/270	24/360
		Battery voltage,rated capacity(OPT.)	V/Ah	24/360	24/450
Others	8.1	Type of drive control		CURTIS ZAPI	CURTIS ZAPI

Specifications are subject to change without notice.



a=200mm Safety clearance