



J Series Electric Tow Tractor

with capacities of 2,000 to 6,000kg

Performance

- / Multiple benefits of the AC Power System include: fast reponse to operating commands, precise power control, regenerative system.
- / Economy of operation, resulting from minimized maintenance costs,e.g. Fully enclosed 3 phase AC asynchronous motor with high degree of efficiency maintenance free for life.
- / A high number of work cycles can be obtained from each battery charge due to the efficiency of this system of energy control.
- / System is fully adjustable to suit the load, the working area and the operator. Inbuilt diagnostics record intermittent faults and service requirements reducing expensive service time.



Comfort

- / Low noise, low shake, energy efficient.
- / Lower step and capacious room will be much appreciated by operators who have to get on and off tow tractor.
- / Ergonomically designed switch, instrument, pedal.
- / Adjustable seat and steering wheel ensure maximum operator comfort and minimum fatigue.
- / Operator can control rear towing coupling from optional towing coupling control equipment.
- / Exchange battery easily from optional dolly for side-exchange battery.



A large battery cover hood



Lower step and capacious room



Small dimension and round shape



Ergonomically designed combined switch, instrument



AC power system



Front double-tyre

Stability

- / Battery is dropped down to the lowest part of frame. This gives tow tractor excellent stability because low centre of gravity.

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

- / Front headlight
- / Rear combined lamp
- / Electrical horn
- / Emergency disconnect switch
- / Pneumatic tyre
- / Front double-tyre (4~6 ton)
- / Safety pedal (stand-on)
- / AC power system
- / Standard battery
- / Multi-function LCD display
- / Toolbox

Options

- / Solid tyre
- / High capacity battery
- / Suspension seat
- / Battery charger
- / Towing coupling height
- / Front double-tyre (2 ton)
- / Towing coupling control equipment
- / Dolly for side-exchange battery
- / Mirror

J series 2.0-6.0t Electric Tow Tractor Specification :

Distinguishing mark	1.1 Manufacturer	HANGCHA GROUP CO.,LTD.							
		QDD2-D2 QDD2-C1	QDD2-D2S QDD2-C1S	QDD4-D2 QDD4-C1	QDD4-D2S QDD4-C1S	QDD6-D2 QDD6-C1	QDD6-D2S QDD6-C1S	QDD6-D2S QDD6-C1S	QDD6-D2S QDD6-C1S
1.4 Operator type: hand, pedestrian, standing, seated, order-picker		Seated	Standing	Seated	Standing	Seated	Standing	Seated	Standing
1.5 Rated capacity/rated load	Q (kg/lb)	2000/4409	2000/4409	4000/8818	4000/8818	6000/13228	6000/13228	6000/13228	6000/13228
1.7 Rated drawbar pull	F(N/lbf)	500/112	500/112	1000/225	1000/225	1500/337	1500/337	1500/337	1500/337
1.9 Wheelbase	y (mm/in)	1140/44.9	1140/44.9	1295/51.0	1295/51.0	1295/51.0	1295/51.0	1295/51.0	1295/51.0
2.1 Service Weight	kg/lb	780/1720	780/1720	900/1984	900/1984	980/2161	980/2161	980/2161	980/2161
3.2 Tyre size, front		3.5-5	3.5-5	3.5-5	3.5-5	3.5-5	3.5-5	3.5-5	3.5-5
3.3 Tyre size, rear		4.0-8	4.0-8	4.0-8	4.0-8	4.0-8	4.0-8	4.0-8	4.0-8
3.5 Wheels, number front / rear (x = driven wheels)		1/2	1/2	2/2	2/2	2/2	2/2	2/2	2/2
3.6 Tread, front	b ₁₀ (mm/in)	\	\	200/7.9	200/7.9	200/7.9	200/7.9	200/7.9	200/7.9
3.7 Tread, rear	b ₁₁ (mm/in)	670/26.4	670/26.4	670/26.4	670/26.4	670/26.4	670/26.4	670/26.4	670/26.4
4.7 Height of overhead guard (cabin)	h ₆ (mm/in)	1236/48.7	1206/47.5	1206/47.5	1206/47.5	1206/47.5	1206/47.5	1206/47.5	1206/47.5
4.12 Coupling height	h ₁₀ mm/(in)	262~348 (10.3~13.7)	262~348 (10.3~13.7)	262~348 (10.3~13.7)	262~348 (10.3~13.7)	262~348 (10.3~13.7)	262~348 (10.3~13.7)	262~348 (10.3~13.7)	262~348 (10.3~13.7)
4.19 Overall length	l ₁ (mm/in)	1690/66.5	1690/66.5	1845/72.6	1845/72.6	1845/72.6	1845/72.6	1845/72.6	1845/72.6
4.21 Overall width (with cabin)	b ₁ mm/in	800/31.5	800/31.5	800(882)/ 31.5(34.7)	800(882)/ 31.5(34.7)	800(882)/ 31.5(34.7)	800(882)/ 31.5(34.7)	800(882)/ 31.5(34.7)	800(882)/ 31.5(34.7)
4.32 Ground clearance, centre of wheelbase	m ₂ (mm/in)	80/3.1	80/3.1	80/3.1	80/3.1	80/3.1	80/3.1	80/3.1	80/3.1
4.35 Turning radius	W _a (mm/in)	1600/63.0	1600/63.0	1760/69.3	1760/69.3	1760/69.3	1760/69.3	1760/69.3	1760/69.3
5.1 Travel speed, laden/unladen	kph (mph)	6/13 (3.7/8.1)	6/13 (3.7/8.1)	6/13 (3.7/8.1)	6/13 (3.7/8.1)	6/13 (3.7/8.1)	6/13 (3.7/8.1)	6/13 (3.7/8.1)	6/13 (3.7/8.1)
5.5 Drawbar pull at 60 minute rating	N/lbf	500/112	500/112	1000/225	1000/225	1500/337	1500/337	1500/337	1500/337
5.6 Max. Drawbar pull at 5 minute rating	N/lbf	2000/450	2000/450	4000/900	4000/900	4500/1012	4500/1012	4500/1012	4500/1012
5.7 Gradeability, laden/unladen	%	- /25	- /25	- /25	- /25	- /25	- /25	- /25	- /25
6.1 Drive motor rating S2 60 min	kW/hp	1.95/2.61	1.95/2.61	4.28/5.74	4.28/5.74	4.28/5.74	4.28/5.74	4.28/5.74	4.28/5.74
6.4 Battery voltage, nominal capacity K5,Standard	V/Ah	48/165	48/165	48/210	48/210	48/275	48/275	48/275	48/275
Battery voltage, nominal capacity K5,Optional	V/Ah	48/210	48/210	48/275	48/275	48/350	48/350	48/350	48/350

