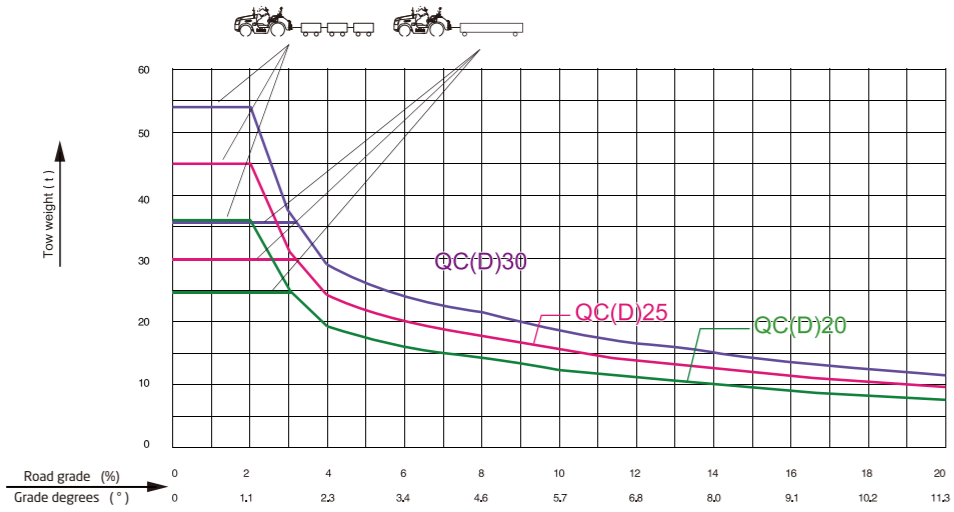
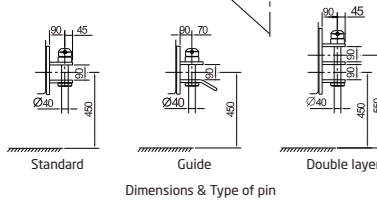
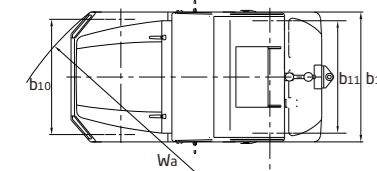
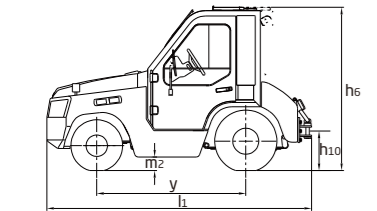


## 2.0-3.0t IC Tow Tractor Specification

		HANGCHA GROUP CO.,LTD.												
Distinguishing mark	1.1	Manufacturer (abbreviation)												
	1.2	Manufacturer's type designation												
Weights	1.3	Model	QC20-JW66B	QC25-JW66B	QC30-JW66B	QC20-JW33B	QC25-JW33B	QC30-JW33B	QC20-JW10B	QC25-JW22B	QC30-JW22B	QC20-JW22B-V	QC25-JW22B-V	
	1.7	Drive: electric (battery or mains), diesel, petrol, fuel gas	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Gasoline	Gasoline	Gasoline/LPG	Gasoline/LPG	
	1.8	Rated drawbar pull	F(N)	20000	25000	30000	20000	25000	30000	20000	20000	25000	20000	25000
	1.9	Towing Weight(One pallet)	kg	26000	33000	36000	26000	33000	36000	26000	26000	33000	26000	33000
Types chassis	2.1	Towing Weight(Two pallet)	kg	39000	49000	54000	39000	49000	54000	39000	39000	49000	39000	49000
	2.3	Wheelbase	y (mm)	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700
Dimensions	3.2	Service Weight	kg	3280	3560	4055	3240	3520	3990	3210	3165	3445	3235	3515
	3.3	Axle loading, unladen front/rear	kg	1055/2225	1000/2560	1010/3040	1055/2190	990/2530	990/3000	1050/2160	1005/2160	915/2530	1005/2230	915/2600
	3.6	Tyre size, front		6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR	6.50-10-10PR
	3.7	Tyre size, rear		7.00-12-12PR	7.00-12-12PR	28x9-15-12PR	7.00-12-12PR	7.00-12-12PR	28x9-15-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
	4.1	Tread, front	b10 (mm)	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322	1322
	4.2	Tread, rear	b11 (mm)	1280	1280	1260	1280	1280	1260	1280	1280	1280	1280	1280
	4.3	Height of overhead guard (cabin)	hs (mm)	1860	1860	1860	1860	1860	1860	1860	1860	1860	1860	1860
	4.4	Coupling height	h10 (mm)	450	450	450	450	450	450	450	450	450	450	450
	4.5	Overall length	l1 (mm)	3020	3020	3020	3020	3020	3020	3020	3020	3020	3020	3020
	4.6	Overall width	b1 (mm)	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480
4.7	Ground clearance, centre of wheelbase	mz (mm)	120	120	120	120	120	120	120	120	120	120	120	
4.8	Turning radius	Wa (mm)	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	3250	
Performance data	5.1	Travel speed, laden/unladen	km/h	/26	/26	/27	/25.5	/25.5	/26.5	/25	/32.5	/32.5	/32.5	/32.5
	5.2	Gradeability, laden/unladen	%	/30	/30	/30	/30	/30	/30	/30	/30	/30	/30	/30
Combustion-engine	5.10	Service brake	Vacuum power brake											
	5.11	Parking brake	Mechanical											
	7.1	Engine manufacturer/type	Cummins/QSF2.813TC72			Yanmar/4TNE98			SUZUKI/C240KFC			Nissan/K25		
	7.2	Emission STD.	Euro III A	Euro III A	Euro III A	Euro III A	Euro III A	Euro III A	Euro III A	/	/	/	/	
	7.3	Engine power according to DIN ISO 1585	kw	54	54	54	42.1	42.1	42.1	35.4	37.4	37.4	37.4	37.4
	7.4	Rated speed	min	2400	2400	2400	2300	2300	2300	2500	2300	2300	2300	2300
	7.5	Number of cylinders/displacement	(-)/(cm <sup>3</sup> )	-/2800	-/2800	-/2800	-/3319	-/3319	-/3319	-/2369	-/2448	-/2448	-/2448	-/2448
	7.6	Battery voltage/nominal capacity	V/AH	12/90	12/90	12/90	12/90	12/90	12/90	12/90	12/60	12/60	12/60	12/60
	7.7	Rated Torque	N·m/(r/min)	270/1440-1800	270/1440-1800	270/1440-1800	186/1700	186/1700	186/1700	139.9/1800	176.5/1600	176.5/1600	176.5/1600	176.5/1600
	7.8	Bore*Stroke	mm	94x100	94x100	94x100	98x100	98x100	98x100	86x102	89x100	89x100	89x100	89x100
10.4	Fuel tank capacity	liter	85											



The tow weight (include tow truck and cargo) in the table are measured in dry concrete level off the road (friction coefficient of 0.015-0.018), the tow weight will change as friction coefficient.



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## IC Tow Tractor

with capacities of 2,000 to 3,000kg

The World of Hangcha





## Easy/ Efficiency/ Economy



## Appearance

- / Body choosing modern large circular arc streamline surface modeling, low chassis body, and the cab layout, rich visual sense of tension and strong driving force, is in accordance with international design trend.
- / The vehicle appearance is concise, reliable and luxurious.



## Safety&Reliability

- / The front and beam are made of thick steel plate and welding body, high strength.
- / Low body and the cab use skylight, the height of the body remain unchanged, it can protect the roof from the scratch.
- / X-type arrangement of dual piping, distribute the pressure by front and rear, the braking system is safe, stable and reliable. The design of vacuum drum ensure the braking system working as usual.
- / The hydrodynamic drive system prevents the misoperation of shifting gear.
- / The traction device with safe lock and self-locking function, prevent the traction pin from jumping up and wrong operation.
- / The electrical switch can cut off the power.

## Comfort

- / Adopt the new digital dashboard and rocker switch, the status of vehicle can be clear at a glance, simple, reliable and intuitive.
- / Adopt horizontal cylinder steering axle and full hydraulic steering gear, the steering force is less than 10N. Optional synchronous steering system provide good stability, especially suitable for long-distance road in the airport and so on.
- / The advanced floating suspension system, long wheelbase design, ensure the comfort of the vehicle.
- / Optimized design structure can offer a good visibility and easier operation.

## Environmental Protection

- / Low speed high torque motor match well with high efficient transmission, and power is strong, the vehicle with high efficiency, excellent of the economy.
- / Emissions are according to national standards, customer can choose dual fuel LPG system, the advanced LPG system is more environmentally friendly and economical.
- / Vehicle use non-asbestos materia.

## Easy Maintain

- / Opening the cover, the engine, fuel tank, water tank, oil pump, steering gear, brake master cylinder are all exposed, the structure is conducive to the maintenance.
- / The reasonable arrangement of electrica controller is easy for maintenance.

## Standard specification

- / Emergency disconnect switch
- / Head lamp
- / Turning lamp
- / Rear combined LED
- / Water temperature gauge
- / Transmission oil temperature warning(hydraulic transmission)
- / Transmission oil pressure gauge(mechanical transmission)
- / Neutral safety switch(hydraulic transmission)
- / Fuel gauge
- / Engine oil pressure warning
- / Extinguisher
- / Full hydraulic power steering
- / Louver
- / Equipment of opening front window
- / Front wiper
- / Adjustable device for steering wheel
- / Horn
- / Buzzer
- / Hour meter
- / Rear view mirror
- / Dome light
- / Fan
- / Large rubber pedal pad
- / Hand grip
- / Full closed cab
- / Vacuum assistant braking system
- / Standard seat
- / Traction pin
- / Retroreflector
- / Travel speed meter

## Options

- / Warning lamp
- / Rear working lamp
- / Speed limit alarm
- / Protective bracket of front lamp
- / Different height of traction pin
- / Semi-closed cab
- / Windshield washer fluid
- / Steam air heater
- / Defroster
- / Synchronous steering system
- / Defrost device of front window
- / Front and rear bumpers
- / Front pothook
- / Sun shield
- / Dual air filters
- / Cap lock of fuel tank
- / Solid tyre
- / Coaming of the rear platform
- / Wide base tyre
- / Customer painting
- / Air-condition



Front window can be open



New design dashboard



CUMMINS engine (optional)



OKAMURA transmission (optional)



Three different types of pin meet all demand