

848T WHEEL LOADER

T-SERIES

Engine	Cummins B6.7
Max. Gross Power	145 kW
Operating Weight	16,054 - 19,858 kg
Bucket Capacities	2.5 - 5.0 m ³



CUSTOMER DRIVEN DESIGN...

For over 65 years, LiuGong has built machines that thrive in the toughest environments. The 848T, part of our advanced T-Series, is engineered for maximum power, precision, and durability.

Designed to excel in demanding applications, this machine combines cutting-edge technology with proven reliability to keep you working efficiently in even the harshest conditions.

Since launching our first wheel loader in 1966, we've remained committed to innovation, ensuring every LiuGong machine is built to perform, wherever the job takes you.



YOUR PERFORMANCE DASHBOARD

Research tells us that 6 key performance areas really matter to you. We'd like to use this performance dashboard to present the real, tough facts about our 848T.



**POWER &
EFFICIENCY**



**TOUGHNESS &
DURABILITY**



**SAFETY &
VISIBILITY**



**UPTIME &
MAINTENANCE**



**INTELLIGENCE
& CONTROL**



**COMFORT &
ERGONOMICS**

THIS IS LIUGONG



65+
YEARS
EST 1958



30+
PRODUCT LINES



12
GLOBAL R&D CENTERS



30+
GLOBAL
OFFICES



16,000+
EMPLOYEES



20+
GLOBAL MANUFACTURING
FACILITIES

A RANGE YOU CAN TRUST.

From aggregates, mixing plant, earthmoving, fertilizer, agriculture and municipal engineering, you can trust the 848T to deliver. With the power, performance and adaptability you need to take on the toughest challenges, our T-Series machines won't let you down.



LET'S TAKE A CLOSER LOOK...



POWER THAT DRIVES PRODUCTIVITY

Advanced powershift transmission and intelligent fuel management system deliver uncompromised power with enhanced efficiency.

- ▶ Cummins B6.7 EU Stage V engine delivers robust power and superior fuel economy.
- ▶ Programmable auto-idle shutdown feature reduces fuel consumption during idle periods.
- ▶ 4/5-speed powershift transmission enables faster acceleration and shorter cycle times. The optional 5-speed version features a lock-up torque converter for enhanced performance and efficiency.
- ▶ Close-center, variable-displacement hydraulic system ensures optimum performance, minimizing energy loss while boosting fuel efficiency and productivity.
- ▶ Automatic temperature-controlled, reversible hydraulic fan adjusts its speed based on ambient temperature and cooling demand, improving engine efficiency and reducing fuel consumption.



TOUGHER BY DESIGN

Engineered for extreme conditions, 848T's heavy-duty components maximize reliability and extend machine life.

- ▶ LiuGong heavy-duty wet axle with limited-slip differentials is engineered to handle heavy loads with ease even on the most rugged terrain.
- ▶ Highly durable chassis frame is built tough and rigorously tested to withstand the most extreme environments.
- ▶ Reinforced boom structure provides enhanced durability for heavy-duty operations.
- ▶ High-strength bucket delivers powerful performance and an extended service life.



ENHANCED PROTECTION, SUPERIOR VISIBILITY

LiuGong prioritises operator safety and visibility to improve awareness and reduce risks on-site.

- ▶ 120° front visibility provides excellent field of view to the front of machine.
- ▶ All-round lighting delivers exceptional visibility for night operations and low-light conditions.
- ▶ Electric adjustable external rearview mirrors with integrated blind spot mirrors ensure optimal side and rear visibility in any job site conditions.
- ▶ Full LED work lights are standard-fitted for enhanced night-time visibility.
- ▶ 360° panoramic view system provides operators with a real-time, all-around view of surroundings, eliminating blind spots.
- ▶ Ergonomically-designed orange steps and handrails safeguard the operator during access, exit and maintenance.



BUILT TO LAST, EASY TO MAINTAIN

To maximize your productive hours, we've made the New 848T even easier to maintain and surrounded it with service back-up and support to make every productive second count.

- ▶ Electric lift tilt-back engine hood provides quick and easy access to both the engine compartment and routine service points for easy maintenance.
- ▶ Centralized greasing system extends bearing life and reduces maintenance time and costs by delivering precise amounts of grease to each bearing at regular intervals.
- ▶ Fluid drains provide environmentally friendly drainage capability and are grouped together for convenient serviceability.
- ▶ Under hood lights facilitate component inspection and maintenance in low-light conditions.
- ▶ Battery master switch is optimally positioned below the cab access ladder for easy operation when entering or exiting the cab.
- ▶ Easy to replace cab filters accessed via secondary access steps.



INTELLIGENT PERFORMANCE, DESIGNED TO WORK SMARTER

Smart control systems ensure precision, efficiency, and adaptability across different applications.

- ▶ Graphical display integrated multiple functions and parameter settings facilitates the machine to handle various applications.
- ▶ Automatic boom height kick-out and bucket leveling can be easily activated with a single touch in the cab.
- ▶ Electric quick coupler enables operators to change attachments in seconds from the cab, enhancing safety and productivity.
- ▶ One-touch engine start/stop allows for effortless operation with a single touch.
- ▶ LiuGong payload system delivers real-time load measurement, optimizing operational efficiency for optimal haulage cost control.



BUILT AROUND YOU

LiuGong machines are designed with the operator at the heart, ensuring all-day comfort and convenience.

- ▶ Pressurized, ROPS/FOPS certified cab is spacious, quiet, and engineered for all-day comfort with ergonomic, intuitive controls.
- ▶ Full LCD instrument panel features a precise, intuitive interface, and user-friendly design, ensuring that all critical parameters are clearly visible at a glance.
- ▶ Advanced climate control system with 12 all-around vents and intelligent temperature control ensures an optimal operating temperature in all conditions.
- ▶ Standard telescopic & tiltable steering column and ergonomic armrest accommodate various operating habits to reduce fatigue.
- ▶ Air suspension seat with adjustable armrests and headrest features electric heating as standard and ventilation & heating functions to further enhance comfort.



848T SPECIFICATIONS

Operating Weight	16,054 - 19,858 kg
Operating weight includes the machine weight with standard work device, no additional equipment or accessories, full fuel, DEF tank and all fluids at required level and an operator 75 kg.	
Bucket Capacity	2.5 - 5.0 m ³

ENGINE	
Emission Regulation	EU Stage V
Make	Cummins
Model	B6.7
Engine Output - Max.Gross (SAE J1995 / ISO 14396)	145 kW @ 2,000 rpm
Engine Output - Max.Net (SAE J1349 / ISO 9249)	136 kW @ 2,000 rpm
Peak Torque	881 N.m @ 1,300 rpm
Displacement	6.7 L
Number of Cylinders	6
Aspiration	Turbocharged & Air-to-air intercooled

TRANSMISSION	
Transmission Type	Countershaft, power shift
Torque Converter	Single stage, three elements
Max. Travel Speed Forward / Reverse (20.5R25 tires)	4-speed: 39 / 26.1 km/h Optional 5-speed: 40.5 / 29.5 km/h, 44 (Lock-up) / -
Number of Speed, fwd/rev	4 / 3 Optional 5-speed: 5 / 3

HYDRAULIC SYSTEM	
Main Pump Type	Piston
Main Relief Pressure	28 MPa
Raise	5.6 s
Dump Time	1.6 s
Float Down Time	3.3 s
Hydraulic Cycle Time	10.5 s
Controls	Joystick

AXLES	
Model	LiuGong (Wet type)-AWL700
Differential Front Type	Limited slip
Differential Rear Type	Limited slip
Axle Oscillation	±12°

STEERING	
Steering Hydraulic System Type	Large displacement steering
Steering Relief Pressure	22 Mpa
Maximum Articulation	±40°
Smallest Turn (over tires)	5,647 mm

BRAKES	
Service Brake Type	Wet discs brake
Service Brake Actuation	Full hydraulic
Parking Brake Type	Drum (4-speed) / Caliper discs brake (5-speed)
Parking Brake Actuation	Electro-hydraulic release

ELECTRICAL SYSTEM	
Voltage	24 V
Batteries	2X12 V
Battery Capacity	120 Ah
Cold Cranking Capacity, approx	850 CCA
Reserve Capacity	224 min
Alternator Rating	1,680 W / 70 Ah
Starter Motor Output	7.8 kW

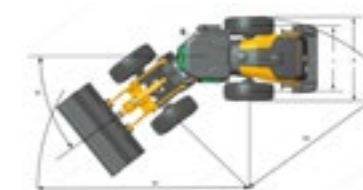
SOUND & ENVIRONMENT	
Sound level in cab according to ISO 6396-2008/EN ISO 3744-1995 - Travel mode	69 dB(A)
Sound level in cab according to ISO 6396-2008/EN ISO 3744-1996 - Stationary work cycle mode	69 dB(A)
External sound level according to ISO 6395-2008- Travel mode	105 dB(A)
External sound level according to ISO 6395-2008- Stationary work cycle mode	105 dB(A)
Ventilation	10 m ³ /min
Heating capacity	7.5 kW
Air conditioning	5.3 kW

SERVICE REFILL CAPACITIES	
Fuel Tank	240 L
Engine Oil	20 L
Cooling System	44 L
Hydraulic System	154 L
Transmission and Torque Converter	40 L
DEF Tank	35 L
Axles, Front/Rear	50 L / 48 L

STANDARD LIFT LOADER ARM PERFORMANCE WITH BUCKET AT 2.7 m ³ (QC) WITH BOLT-ON CUTTING EDGE AND OPERATING WEIGHT AT 16,500 kg.	
Tipping Load - Straight according to ISO 14397-1:2007	11,530 kg
Tipping Load - Full Turn according to ISO 14397-1:2007	9,600 kg
Bucket Breakout Force	142 kN
A Maximum Hinge Pin Height	3,998 mm
B Dump Clearance at Full Height Discharge	2,848 mm
C Dump Reach at Full Height Discharge	1,207 mm
D Maximum Digging Depth, Bucket Level	109 mm
S ₁ Bucket Rollback at Ground Level	45°
S ₂ Bucket Rollback at Carry	49°
S ₃ Bucket Rollback at Maximum Height	62°
S ₄ Maximum Dump Angle at Full Height	45°



STANDARD LIFT LOADER ARM DIMENSIONS	
E Ground Clearance	414 mm
G Wheelbase	3,100 mm
H Cab Height	3,382 mm
J Wheel Tread	2,150 mm
K Width Over Tires	2,670 mm
L Length with Bucket Down	7,924 mm
M Turn Angle, Either Side	40°
P Rear Angle of Departure	28°
R ₁ Turning Radius, Bucket Carry	6,360 mm
R ₂ Turning Radius, Outside of Tire	5,647 mm
W Width over Bucket	2,920 mm



TIRES
Choosing the right tyres for your machine will become a key competitive advantage to achieve outstanding performance. Through close engineering and development cooperation with renowned and carefully selected suppliers, LiuGong can offer full range of tyres specially tailored for wheel loader.

Code	Application	Patterns	Size	PR / *	Tube Type	Width	Overall Diameter	Tread Depth	Load Capacity
L3	<ul style="list-style-type: none"> in sand operation in all kind of load/carry operation The L3-tread is not as open as L2 and has consequently less self-cleansing compared with an L2 tyre 		20.5R25	*	/	527 mm	1,480 mm	31 mm	9,500 kg
L5	<ul style="list-style-type: none"> in very aggressive material where good protection against cut damages is demanded, e.g. in quarries or mines 		20.5R25	**	/	536 mm	1,530 mm	72 mm	+ 2,000 kg
Solid Tire	<ul style="list-style-type: none"> Safe, durable, puncture-resistant, economical, maintenance-free, easy to operate in generally smooth roads, short distance operation 		20.5-25	/	Solid Tire	530 mm	1,490 mm	/	+ 4,00 kg

Note: The radial tire-load bearing capacity is indicated by the number of stars (*). More stars, greater radial tire-load bearing capacity. For the specific radial tire sizes listed in the table above, 2 stars (**) represents the maximum radial tire-load bearing capacity.

Tire	Operating Weight, kg	Tipping Load- Full Turn, kg	
		Standard Arm	Long Arm
L3	-	-	-
L5	+ 476	+ 280	+ 243
Solid Tire	+ 1,896	+ 1,116	+ 996

ATTACHMENTS

LiuGong attachments with pin-on or quick-coupler ensure high quality as the machine. Integrated design of the whole system makes a perfect match to achieve the superior productivity. For more information on other available attachments, please contact your LiuGong dealer for details.

848T	4-Speed Transmission, L3 Tires	2.5 m ³ Bucket (BOCE)	2.7 m ³ Bucket (BOT)	2.7 m ³ Bucket (BOT, BOS)	3.5 m ³ Bucket (BOCE)	
Bucket	Bucket Capacity	m ³	2.5	2.7	2.7	3.5
	Bucket Type	/	GP	GP	GP	GP
	Bucket Mounting	/	PIN-ON	PIN-ON	PIN-ON	PIN-ON
	GET Type	/	BOCE	BOT	BOT, BOS	BOCE
	Bucket Weight	kg	1,360	1,464	1,501	1,701
Standard Arm	Operating Weight	kg	16,054	16,158	16,195	16,395
	Max. Breakout Force	kN	167	166	166	130
	Tipping Load - Straight	kg	12,705	12,587	12,537	12,154
	Tipping Load - Full Turn	kg	10,661	10,543	10,494	10,139
	Max. Bucket Hinge Pin Height	mm	3,998	3,998	3,998	3,998
	Dump Clearance	mm	2,952	2,953	2,953	2,759
	Dump Reach	mm	1,062	1,060	1,060	1,255
	Overall Length	mm	7,762	7,760	7,920	8,035
	Overall Width	mm	2,700	2,920	2,970	2,920
	Overall Height	mm	3,382	3,382	3,382	3,382
Turning Radius, Outside of Bucket	mm	6,203	6,302	6,371	6,379	
Long Arm	Operating Weight	kg	16,863	16,967	17,004	17,204
	Max. Breakout Force	kN	149	149	149	116
	Tipping Load - Straight	kg	12,341	12,225	12,179	11,805
	Tipping Load - Full Turn	kg	10,162	10,045	10,000	9,652
	Max. Bucket Hinge Pin Height	mm	4,393	4,393	4,393	4,393
	Dump Clearance	mm	3,346	3,348	3,348	3,153
	Dump Reach	mm	1,049	1,048	1,048	1,242
	Overall Length	mm	8,120	8,118	8,276	8,393
	Overall Width	mm	2,700	2,920	2,970	2,920
	Overall Height	mm	3,382	3,382	3,382	3,382
Turning Radius, Outside of Bucket	mm	6,348	6,445	6,516	6,528	

ATTACHMENTS

LiuGong attachments with pin-on or quick-coupler ensure high quality as the machine. Integrated design of the whole system makes a perfect match to achieve the superior productivity. For more information on other available attachments, please contact your LiuGong dealer for details.

848T	4-Speed Transmission, L3 Tires	2.5 m ³ Bucket (QC, BOT, BOS)	2.7 m ³ Bucket (QC, BOCE)	2.7 m ³ Bucket (QC, BOT, BOS)	3.0 m ³ Bucket (QC, BOCE)	3.2 m ³ Bucket (QC, BOCE)	
Bucket	Bucket Capacity	m ³	2.5	2.7	2.7	3.0	3.2
	Bucket Type	/	GP	GP	GP	GP	GP
	Bucket Mounting	/	QC	QC	QC	QC	QC
	GET Type	/	BOT, BOS	BOCE	BOCE	BOCE	BOCE
	Bucket Weight	kg	1,470	1,332	1,348	1,401	1,470
Standard Arm	Operating Weight	kg	16,437	16,500	16,516	16,569	16,638
	Max. Breakout Force	kN	136	142	135	122	121
	Tipping Load - Straight	kg	11,597	11,530	11,489	11,311	11,038
	Tipping Load - Full Turn	kg	9,667	9,600	9,561	9,403	9,162
	Max. Bucket Hinge Pin Height	mm	3,998	3,998	3,998	3,998	3,998
	Dump Clearance	mm	2,799	2,848	2,778	2,687	2,656
	Dump Reach	mm	1,210	1,207	1,186	1,277	1,257
	Overall Length	mm	8,135	7,924	8,159	8,129	8,162
	Overall Width	mm	2,750	2,920	2,970	2,920	2,920
	Overall Height	mm	3,382	3,382	3,382	3,382	3,382
Turning Radius, Outside of Bucket	mm	6,334	6,360	6,443	6,410	6,424	
Long Arm	Operating Weight	kg	17,246	17,309	17,325	17,378	17,447
	Max. Breakout Force	kN	122	123	121	109	108
	Tipping Load - Straight	kg	11,326	11,265	11,228	11,062	10,829
	Tipping Load - Full Turn	kg	9,650	9,600	9,530	9,003	8,795
	Max. Bucket Hinge Pin Height	mm	4,393	4,393	4,393	4,393	4,393
	Dump Clearance	mm	3,194	3,172	3,172	3,081	3,051
	Dump Reach	mm	1,198	1,174	1,174	1,265	1,245
	Overall Length	mm	8,491	8,354	8,512	8,483	8,513
	Overall Width	mm	2,750	2,920	2,970	2,920	2,920
	Overall Height	mm	3,382	3,382	3,382	3,382	3,382
Turning Radius, Outside of Bucket	mm	6,487	6,521	6,595	6,561	6,577	

STANDARD & OPTIONAL EQUIPMENT

ENGINE

Cummins B6.7 EU Stage V engine, output - Max. net power of 136 kW, air-to-air intercooled, 6 cylinders, 4 stroke

High pressure common rail

Exhaust emission control

Rotary air filter, fuel filter

Hydraulically-driven reversible fan

Grid heater

Programmable auto engine idle stop

Pre-fuel filter/water separator with electric fuel pump

EFI (Electric Fuel Injection)

ECM faults inspecting system

Engine block heater

Oil bath air filter

TRANSMISSION

ZF Ergopower 4BP190 automatic power shift transmission, kick-down function, FNR, F4/R3

ZF Ergopower 5WG190 automatic power shift transmission, kick-down function, FNR, F5/R3

CCO (Clutch Cut-Off)

Transmission oil level sight gauge

Secondary oil filter, sight glass

Remote pressure taps for diagnostics

Auto shifting mode by speed

Neutral safety switch

Electronic controlled parking brake

STEERING SYSTEM

Load sensing system with large displacement steering gear and steering priority

Emergency steering system

AXLE

LiuGong wet front & rear axle with limited slip differentials

Wet discs service brake system

HYDRAULIC SYSTEM

Single piston pump with variable displacement. Hydraulic load-sensing according to demand

Electric proportional controller

Third valve and multipurpose lines

4-spool hydraulics for dual auxiliary function

Joystick steering

Easy simultaneous operating of lift & tilt

Boom height kick-out

Bucket positioner

Plug at the port of bucket and boom cylinder for pressure check

Emergency boom lower via pilot accumulator

Load holding valve

Ride control

CHASSIS FRAME

Spacious central articulation arrangement with conic bearing

Articulation locking bar

Tow hitch

Rubber cushion articulation stops

TYRE & RIM

20.5R25*/L3 radial tire

Full fender

See tires options

Tire protective chain

LINKAGE & ATTACHMENTS

Z-bar linkage

Bolt-on cutting edge

Bolt-on teeth

Bolt-on teeth and spacer

High lift loader arms

Electric quick coupler

Parallel-lift linkage

Pallet forks

STANDARD & OPTIONAL EQUIPMENT

ELECTRIC SYSTEM

Two front LED headlights with high & low beams and turn signal

Four front, two rear LED headlights on top of cab

Turn signals with flasher

Seat belt indicator

Batteries, free of maintenance

24 V power outlet

Electric horn

License-plate bracket and light

Rotating beacon / Multicolor flash light

Backup alarm with white noise

Front and rear windshield wiper

Bluetooth radio/player with USB port

DAB Radio

Reversing warning light, orange/ blue

Electric lift back-tilt hood

GAUGE GROUP

Engine coolant temperature

Transmission oil temperature

Fuel level

Hour meter

Voltage

DEF pump working indicator

INDICATOR GROUP

Air inlet heater

Battery charging

Intake air filter alert

Parking brake applied

Machine emergent stop

Power cut-off

Engine servicing

Turning lights

Engine starter running

Beam of front light

CAB

FOPS (ISO 3449) and ROPS (ISO 3471) certified cab

Heated and ventilated air suspension seat with 2-inch 3-point seatbelt

Electric heated, adjustable rear-view mirrors

One interior & dual exterior rear-view mirrors, blind spot mirrors

Telescopic & tiltable steering column

Large front glass

Cab with silicone oil damper

Cab fresh air filter

One-touch engine start/stop

Air conditioner

Lunch-box/cooler holder

Cup holder

Cab rear windshield defroster

Front and rear sun visors

Front windshield guarding

All-round lighting

360° panoramic view system

360° surround view with obstacle warning system

Graphic display

Safety hammer

OTHERS

Automatic central lubrication

Parking wedge

Rear light protective guard

Chassis guard

LiuGong payload system

LiuGong iLink (LiuGong Telematics System)

Fire extinguisher

Remote battery jump posts

Auto loading

OTA

Coupler ready

Rear bumper

Hood protective guard

Tire pressure monitoring

Note: for standard equipment

for optional equipment

Specifications and designs are subject to change without notice. Machines shown may include optional equipment. LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area.



Guangxi LiuGong Machinery Co., Ltd.
No. 1 Liutai Road, Liuzhou, Guangxi 545007, PR China
T: +86 772 388 6124 E: overseas@liugong.com
www.liugong.com

Like and follow us:



LG-PB-848T-Stage V-A4-092025-ENG

The LiuGong series of logos herein, including but not limited to word marks, device marks, letter of alphabet marks and combination marks, as the registered trademarks of Guangxi LiuGong Group Co., Ltd. are used by Guangxi LiuGong Machinery Co., Ltd. with legal permission, and shall not be used without permission. Specifications and designs are subject to change without notice. Illustrations and pictures may include optional equipment and may not include all standard equipment. Equipment and options varies by regional availability.