



842T WHEEL LOADER

T-SERIES

Engine	Cummins B6.7
Max. Gross Power	126 kW
Operating Weight	14,684 - 17,181 kg
Bucket Capacities	2.1 - 4.0 m ³



TOUGH WORLD. TOUGH EQUIPMENT.

CUSTOMER DRIVEN DESIGN...

For over 65 years, LiuGong has built machines that thrive in the toughest environments. The 842T, 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 842T.



**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 construction, mixing plant, municipal engineering, industrial, agriculture and fertilizer, you can trust the 842T 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.



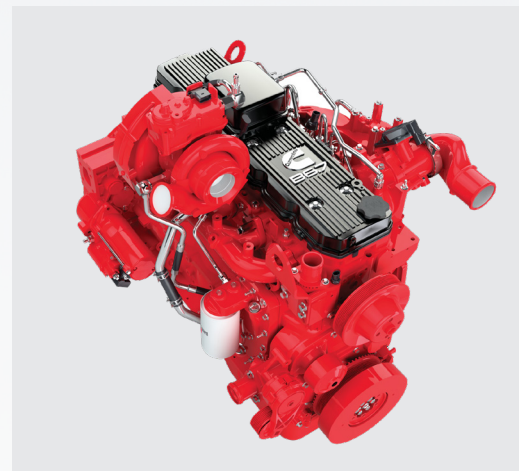
LET'S TAKE A CLOSER LOOK...



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, 842T'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 842T 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.



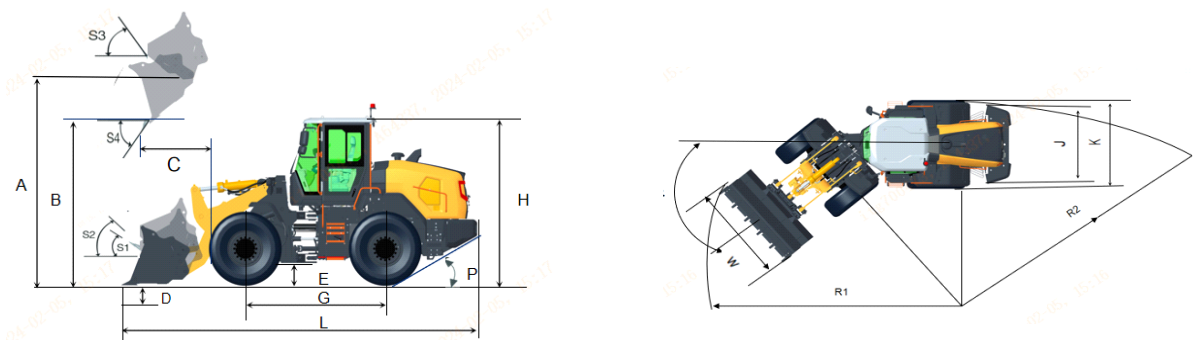
842T SPECIFICATIONS

Operating Weight	14,684 - 17,181 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	2.1 - 4.0 m³
ENGINE	
Emission Regulation	EU Stage V
Make	Cummins
Model	B6.7
Engine Output - Max.Gross (SAE J1995 / ISO 14396)	126 kW @ 1,800 rpm
Engine Output - Max.Net (SAE J1349 / ISO 9249)	116 kW @ 1,800 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: 41.6 / 28.09 km/h Optional 5-speed: 44.4 / 32.12 km/h, 46 (Lock-up) /-
4 / 3	
Number of Speed, fwd/rev	Optional 5-speed: 5 / 3
HYDRAULIC SYSTEM	
Main Pump Type	Piston
Main Relief Pressure	28 MPa
Raise	5.1 s
Dump Time	1.6 s
Float Down Time	3.3 s
Hydraulic Cycle Time	10 s
Controls	Joystick
AXLES	
Model	LiuGong (Wet type)-AWL400
Differential Front Type	Differential lock
Differential Rear Type	Conventional
Axle Oscillation	±12°

STEERING	
Steering Hydraulic System Type	Large displacement steering
Steering Relief Pressure	22 Mpa
Maximum Articulation	±40°
Smallest Turn (over tires)	5,395 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	230 min
Alternator Rating	1,680 W / 70 A
Starter Motor Output	7.8 kW
SOUND & ENVIRONMENT	
Sound level in cab according to ISO 6396-2008/EN ISO 3744-1995 - Travel mode	71 dB(A)
Sound level in cab according to ISO 6396-2008/EN ISO 3744-1996 - Stationary work cycle mode	71 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 m³/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	33 L / 33 L

STANDARD LIFT LOADER ARM PERFORMANCE WITH STANDARD BUCKET AT 2.3 m³ (QC) WITH BOLT-ON CUTTING EDGE AND OPERATING WEIGHT AT 15,150 kg.	
Tipping Load - Straight according to ISO 14397-1:2007	9,796 kg
Tipping Load – Full Turn according to ISO 14397-1:2007	8,469 kg
Bucket Breakout Force	128 kN
A Maximum Hinge Pin Height	3,998 mm
B Dump Clearance at Full Height Discharge	2,826 mm
C Dump Reach at Full Height Discharge	1,096 mm
D Maximum Digging Depth, Bucket Level	135 mm
S ₁ Bucket Rollback at Ground Level	42°
S ₂ Bucket Rollback at Carry	47°
S ₃ Bucket Rollback at Maximum Height	63°
S ₄ Maximum Dump Angle at Full Height	45°

STANDARD LIFT LOADER ARM DIMENSIONS	
E Ground Clearance	400 mm
G Wheelbase	3,050 mm
H Cab Height	3,382 mm
J Wheel Tread	1,950 mm
K Width Over Tires	2,470 mm
L Length with Bucket Down	7,924 mm
M Turn Angle, Either Side	40°
P Rear Angle of Departure	27°
R ₁ Turning Radius, Bucket Carry	6,191 mm
R ₂ Turning Radius, Outside of Tire	5,395 mm
W Width over Bucket	2,700 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	• 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	• 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	• 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	/	+ 400 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	+ 297	+ 265
Solid Tire	+ 1,896	+ 1,184	+ 1,055

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.

842T	4-Speed Transmission, L3 Tires		2.3 m³ Bucket (BOCE)	2.3 m³ Bucket (BOT)	2.3 m³ Bucket (BOT, BOS)
Bucket	Bucket Capacity	m³	2.3	2.3	2.3
	Bucket Type	/	GP	GP	GP
	Bucket Mounting	/	PIN-ON	PIN-ON	PIN-ON
	GET Type	/	BOCE	BOT	BOT, BOS
	Bucket Weight	kg	1,277	1,218	1,283
Standard Arm	Operating Weight	kg	14,744	14,684	14,750
	Max. Breakout Force	kN	140	148	128
	Tipping Load - Straight	kg	10,791	10,922	10,664
	Tipping Load - Full Turn	kg	9,386	9,510	9,272
	Max.Bucket Hinge Pin Height	mm	3,998	3,998	3,998
	Dump Clearance	mm	2,928	2,987	2,857
	Dump Reach	mm	1,086	1,071	1,156
	Overall Length	mm	7,796	7,919	8,055
	Overall Width	mm	2,700	2,756	2,500
	Overall Height	mm	3,382	3,382	3,382
	Turning Radius, Outside of Bucket	mm	6,147	6,205	6,136
Long Arm	Operating Weight	kg	14,671	14,611	14,677
	Max. Breakout Force	kN	117	124	107
	Tipping Load - Straight	kg	9,352	9,472	9,246
	Tipping Load - Full Turn	kg	8,109	8,223	8,014
	Max.Bucket Hinge Pin Height	mm	4,401	4,401	4,401
	Dump Clearance	mm	3,330	3,390	3,259
	Dump Reach	mm	1,064	1,049	1,134
	Overall Length	mm	8,154	8,280	8,411
	Overall Width	mm	2,700	2,756	2,500
	Overall Height	mm	3,382	3,382	3,382
	Turning Radius, Outside of Bucket	mm	6,301	6,361	6,300

ATTACHMENTS

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842T	4-Speed Transmission, L3 Tires		2.3 m³ Bucket (QC, BOCE)	2.5 m³ Bucket (QC, BOT,BOS)	2.7 m³ Bucket (QC, BOCE)	2.7 m³ Bucket (QC, BOT,BOS)	3.0 m³ Bucket (QC, BOCE)
Bucket	Bucket Capacity	m³	2.3	2.5	2.7	2.7	3.0
	Bucket Type	/	GP	GP	GP	GP	GP
	Bucket Mounting	/	QC	QC	QC	QC	QC
	GET Type	/	BOCE	BOT, BOS	BOCE	BOT, BOS	BOCE
	Bucket Weight	kg	1,189	1,269	1,332	1,349	1,397
Standard Arm	Operating Weight	kg	15,150	15,230	15,293	15,310	15,358
	Max. Breakout Force	kN	128	121	122	122	109
	Tipping Load - Straight	kg	9,796	9,912	9,896	9,865	9,696
	Tipping Load - Full Turn	kg	8,469	8,558	8,535	8,506	8,352
	Max.Bucket Hinge Pin Height	mm	3,998	3,998	3,998	3,998	3,998
	Dump Clearance	mm	2,826	2,804	2,811	2,811	2,712
	Dump Reach	mm	1,096	1,154	1,146	1,146	1,245
	Overall Length	mm	7,924	8,119	7,951	8,110	8,091
	Overall Width	mm	2,700	2,750	2,920	2,970	2,920
	Overall Height	mm	3,382	3,382	3,382	3,382	3,382
	Turning Radius, Outside of Bucket	mm	6,191	6,271	6,295	6,366	6,337
Long Arm	Operating Weight	kg	15,077	15,157	15,220	15,236	15,285
	Max. Breakout Force	kN	106	101	102	101	90
	Tipping Load - Straight	kg	8,482	8,548	8,522	8,494	8,345
	Tipping Load - Full Turn	kg	7,302	7,347	7,316	7,288	7,153
	Max.Bucket Hinge Pin Height	mm	4,401	4,401	4,401	4,401	4,401
	Dump Clearance	mm	3,229	3,206	3,214	3,214	3,115
	Dump Reach	mm	1,074	1,132	1,124	1,124	1,223
	Overall Length	mm	8,275	8,471	8,305	8,462	8,445
	Overall Width	mm	2,700	2,750	2,920	2,970	2,920
	Overall Height	mm	3,382	3,382	3,382	3,382	3,382
	Turning Radius, Outside of Bucket	mm	6,349	6,434	6,452	6,527	6,497

STANDARD & OPTIONAL EQUIPMENT

ENGINE	
Cummins B6.7 Engine EU Stage V Engine, output - Max. net power of 116 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	☐
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	☒
TYRE & RIM	
20.5R25*/L3 radial tire	☒
Full fender	☒
See tires options	☐
Tire protective chain	☐

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	☒
AXLE	
LiuGong wet axle with front-differential lock and rear - conventional	☒
Wet discs service brake system	☒
STEERING SYSTEM	
Load sensing system with flow amplification and steering priority	☒
Emergency steering system	☒
CHASSIS FRAME	
Spacious central articulation arrangement with conic bearing	☒
Articulation locking bar	☒
Tow hitch	☒
Rubber cushion articulation stops	☒
LINKAGE & ATTACHMENTS	
Z-bar linkage	☒
Bolt-on cutting edge	☒
Bolt-on teeth	☐
Bolt-on teeth & 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	☒
Electric lift back-tilt hood	☒
Reversing warning light, orange/blue	☒
Bluetooth radio/player with USB port	☒
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	☒
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.





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