



842T

WHEEL LOADER

BUCKET CAPACITY
2.7-5.2 yd³
(2.1-4.0 m³)

OPERATING WEIGHT
33,400 lb
(15,150 kg)

GROSS POWER
169 hp
(126 kW)

TIPPING LOADE – FULL TURN
18,671 lb
(8,469 kg)



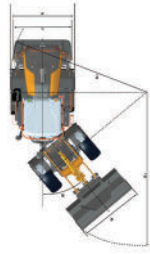
SPECIFICATIONS

Differential rear type	Conventional
Axle oscillation	12 deg. (6 deg. each direction)

for information specific to your area.

Engine power kW is

E	Ground clearance	14" (400 mm)
G	Wheelbase	10" (3,050 mm)
H	Wheel height	11" (3,382 mm)
J	Wheel tread	6.5" (1,950 mm)
K	Width over tires	8.1" (2,470 mm)
L	Length with bucket down	25.12" (7,924 mm)
M	Turn angle, either side	40°
P	Rear angle of departure	27°
R ₁	Turning radius, bucket turning	204" (6,191 mm)
R ₂	Turning radius, outside of tire	17.8" (5,395 mm)
W	Width over bucket	8.10" (2,700 mm)



LiuGong standard and optional equipment may vary from region to region. Please consult your LiuGong dealer for information specific to your area.

TIRES

Choosing the right tires 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, LuGong can offer full range of tires specially tailored for wheel loader.

Code	Applications	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	*	/	19" (527 mm)	4'10" (1,480 mm)	1"	20,944 lb (9,530 kg)
L5	in very aggressive material where good protection against cut damages is demanded, e.g. in quarries or mines		20.5R25	**	/	19" (536 mm)	5' (1,530 mm)	3"	+4,409 lb (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	19" (530 mm)	4'11" (1,490 mm)	/	+882 lb (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	Tipping Load-Full Turn	
		Standard Arm	Long Arm
L3	-	-	-
L5	+1,049 lb (476 kg)	+655 lb (297 kg)	+584 lb (265 kg)
Solid Tire	+4,180 lb (1,896 kg)	+2,610 lb (1,184 kg)	+2,326 lb (1,055 kg)

ATTACHMENTS

LuGong 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 LuGongdealer for details.

* Bucket teeth and segments are available for all buckets

842T Z-Bar	5-Speed Transmission, L3 Tires																				
		3.0 yd³ (2.3 m³) Bucket (BOCE)	3.0 yd³ (2.3 m³) Bucket (BOT, BOS)	3.0 yd³ (2.3 m³) Bucket (QC, BOCE)	3.3 yd³ (2.7 m³) Bucket (BOT, BOS)	3.3 yd³ (2.7 m³) Bucket (QC, BOCE)	3.5 yd³ (2.7 m³) Bucket (BOT, BOS)	3.5 yd³ (2.7 m³) Bucket (QC, BOCE)	3.9 yd³ (3.0 m³) Bucket (BOT, BOS)	3.9 yd³ (3.0 m³) Bucket (QC, BOCE)	4.6 yd³ (3.5 m³) Bucket (BOT, BOS)	4.6 yd³ (3.5 m³) Bucket (QC, BOCE)									
Bucket	Bucket Capacity	yd³	3.0	3.0	3.0	3.3	3.3	3.5	3.5	3.9	4.6										
	Bucket Type	/	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP	GP
	Bucket Mounting	/	PIN-ON	PIN-ON	PIN-ON	QC	QC	QC	QC	QC	QC	QC	QC	QC	QC	QC	QC	QC	QC	QC	QC
	GET Type	/	BOCE	BOT, BOS	BOCE	BOT, BOS	BOCE	BOT, BOS	BOCE	BOT, BOS	BOCE	BOT, BOS	BOCE	BOT, BOS	BOCE	BOT, BOS	BOCE	BOT, BOS	BOCE	BOT, BOS	BOCE
	Bucket Weight	lb	2,815	2,829	2,821	2,798	2,798	2,987	2,974	2,974	3,080	3,501									
	Operating Weight	kg	1277	1283	1189	1269	1269	1332	1349	1349	1397	1588									
		lb	32,505	32,518	33,400	33,576	33,576	33,715	33,753	33,859	33,859	34,280									
		kg	14,744	14,758	15,150	15,230	15,230	15,293	15,310	15,310	15,358	15,549									
	Breakout Force	lbf	31,473	28,776	28,776	27,202	27,202	27,427	27,427	27,427	24,504	22,481									
		KN	140	128	128	121	121	122	122	109	100										
Standard Arm	Tipping Load - Straight	lb	23,790	23,510	21,596	21,852	21,817	21,749	21,749	21,749	20,391										
		kg	10,791	10,664	9,796	9,912	9,896	9,865	9,865	9,696	9,249										
	Tipping Load - Full Turn	lb	20,693	20,441	18,671	18,667	18,667	18,616	18,616	18,753	18,413										
		kg	9,386	9,272	8,469	8,558	8,558	8,535	8,535	8,506	8,352										
	Max. Material Density @ 100% Fill Factor	kg/m³	3,078	3,078	3,078	2,832	2,832	2,663	2,663	2,623	2,346										
	Maximum Bucket Hinge Pin Height	ft/in	13'1"	13'1"	13'1"	13'1"	13'1"	13'1"	13'1"	13'1"	13'1"										
		mm	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998	3,998										
	Dump Clearance	ft/in	9'7"	9'4"	9'3"	9'2"	9'3"	9'3"	9'3"	9'3"	8'6"										
		mm	2,928	2,857	2,826	2,804	2,826	2,811	2,811	2,712	2,588										
	Dump Reach	ft/in	3'7"	3'10"	3'7"	3'9"	3'9"	3'9"	3'9"	4'1"	4'4"										
Long Arm	Overall Length	ft/in	25'7"	26'5"	25'12"	26'8"	26'8"	26'1"	26'7"	26'7"											
		mm	7,796	8,055	7,924	8,119	8,119	7,951	8,110	8,091	8,416										
	Overall Width	ft/in	8'10"	8'2"	8'10"	9'0"	9'0"	9'7"	9'9"	9'7"	9'9"										
		mm	2,700	2,500	2,700	2,750	2,750	2,920	2,970	2,920	2,970										
	Overall Height	ft/in	11'1"	11'1"	11'1"	11'1"	11'1"	11'1"	11'1"	11'1"	11'1"										
		mm	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382										
	Turning Radius, Outside of Bucket	ft/in	20'2"	20'2"	20'4"	20'7"	20'8"	20'8"	20'11"	20'9"	21'3"										
		mm	6,147	6,136	6,191	6,271	6,296	6,366	6,337	6,466	6,419										
	Operating Weight	lb	32,344	32,357	33,239	33,415	33,554	33,590	33,590	33,698	34,119										
		kg	14,671	14,677	15,077	15,157	15,220	15,266	15,266	15,285	15,476										
Breakout Force	lbf	26,303	24,065	23,830	22,706	22,706	22,931	22,706	20,233	17,760											
	KN	117	107	106	101	102	101	101	90	79											
Long Arm	Tipping Load - Straight	lb	20,618	20,384	18,700	18,845	18,788	18,726	18,398	17,520											
		kg	9,352	9,246	8,482	8,548	8,522	8,494	8,345	7,947											
	Tipping Load - Full Turn	lb	17,877	17,668	16,098	16,197	16,129	16,067	15,770	14,943											
		kg	8,109	8,014	7,302	7,347	7,316	7,288	7,153	6,778											
	Max. Material Density @ 100% Fill Factor	kg/m³	2,972	2,936	2,675	2,476	2,284	2,275	1,919	2,134											
		kg/m³	1,763	1,742	1,587	1,469	1,355	1,350	1,192	968											
	Maximum Bucket Hinge Pin Height	ft/in	14'5"	14'5"	14'5"	14'5"	14'5"	14'5"	14'5"	14'5"											
		mm	4,401	4,401	4,401	4,401	4,401	4,401	4,401	4,401											
	Dump Clearance	ft/in	10'11"	10'8"	10'7"	10'6"	10'7"	10'7"	10'7"	10'3"	9'10"										
		mm	3,330	3,259	3,229	3,206	3,214	3,214	3,115	2,991	2,991										
Dump Reach	ft/in	36"	39"	36"	39"	38"	38"	40"	43"												
Long Arm	Overall Length	mm	1,064	1,134	1,074	1,132	1,124	1,124	1,223	1,286											
		ft/in	26'9"	27'7"	27'2"	27'10"	27'3"	27'9"	27'9"	28'9"											
	Overall Width	ft/in	8'10"	8'2"	8'10"	9'0"	9'0"	9'7"	9'9"	9'9"											
		mm	2,700	2,500	2,700	2,750	2,920	2,970	2,920	2,970											
	Overall Height	ft/in	11'1"	11'1"	11'1"	11'1"	11'1"	11'1"	11'1"	11'1"											
		mm	3,382	3,382	3,382	3,382	3,382	3,382	3,382	3,382											
	Turning Radius, Outside of Bucket	ft/in	20'8"	20'8"	20'10"	21'1"	21'2"	21'9"	21'9"	21'9"											
		mm	6,301	6,300	6,349	6,434	6,452	6,527	6,497	6,635											

STANDARD & OPTIONAL EQUIPMENT

Standard and optional equipment may vary by regions. Consult your LuGong dealer for details.

ENGINE	STD	OPT
Cummins B6.7 Engine EU Stage V Engine, output - Max. net power of 156 hp (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	✓	

TRANSMISSION	STD	OPT
ZF Ergopower 5WG190 automatic power shift transmission, kick-down function, FNR, F5/R3	✓	
ZF Ergopower 4BP190 automatic power shift transmission, kick-down function, FNR, F4/R3 COO (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	✓	

AXLE	STD	OPT
LuGong wet axle with front-differential lock and rear-conventional	✓	
Wet discs service brake system	✓	

CHASSIS FRAME	STD	OPT
Spacious central articulation arrangement with conic bearing	✓	
Articulation locking bar	✓	
Tow hitch	✓	
Rubber cushion articulation stops	✓	

HYDRAULIC SYSTEM	STD	OPT
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	✓	
Ride control	✓	
Load holding valve	✓	

STEERING SYSTEM	STD	OPT
Load sensing system with flow amplification and steering priority	✓	
Emergency steering system	✓	

TYRE & RIM	STD	OPT
20.5R25 ★ L-3 radial tire	✓	
Full fender	✓	
See tires options	✓	
Tire protective chain	✓	

LINKAGE & ATTACHMENTS	STD	OPT
Z-bar linkage	✓	
Bolt-on cutting edge	✓	
Bolt-on teeth & segments	✓	
High lift loader arms	✓	
Electric quick coupler	✓	
Parallel-lift linkage	✓	
Pallet forks	✓	

ELECTRIC SYSTEM	STD	OPT
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	✓	
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	✓	
Remote battery jump posts	✓	

GAUGE GROUP	STD	OPT
Engine coolant temperature	✓	
Transmission oil temperature	✓	
Fuel level	✓	
Hour meter	✓	
Voltage	✓	
Brake oil pressure	✓	
DEF Pump working indicator	✓	

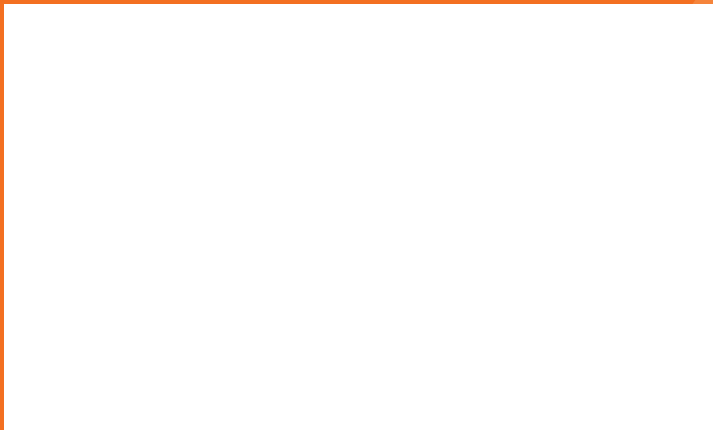
INDICATOR GROUP	STD	OPT
Air inlet heater	✓	
Battery charging	✓	
Intake air filter alert	✓	
Parking brake applied	✓	
Machine emergent stop	✓	
Power cut-off	✓	
Engine servicing	✓	
Turning lights	✓	
Engine starter running	✓	
Beam of front light	✓	
Boom support brackets	✓	

CAB	STD	OPT
FOPS (ISO 3449) and ROPS (ISO 3471) certified cab	✓	
Heated and ventilated air suspension seat with 3 inch 2-point high vis seatbelt	✓	
Heated and ventilated air suspension seat with 2 inch 3-point high vis seatbelt	✓	
Electric heated, adjustable rear-view mirrors	✓	
Two 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	✓	
HVAC controlled storage compartment	✓	
Cup holder	✓	
Cab rear windshield defroster	✓	
Front and rear sun visors	✓	
360 degree work lights	✓	
360° surround view with obstacle warning system	✓	
Graphic display	✓	
Safety hammer	✓	

GUARDING	STD	OPT
Front windshield guarding	✓	
Chassis guard	✓	
Front light guards	✓	
Rear light guards	✓	
Cylidner guards	✓	
Rear engine hood guard	✓	

OTHERS	STD	OPT
Automatic central lubrication	✓	
Parking wedge	✓	
LuGong payload system	✓	
LuGong iLink (Telematics system includes hardware and 2 yr. subscription)	✓	
Fire extinguisher	✓	
Coupler ready	✓	
Auto loading	✓	
Tire pressure monitoring	✓	

WARRANTY	STD	OPT
XtraCare 3 year / 4,000 hour full machine warranty	✓	
XtraCare+ 5 year / 7,000 hour powertrain & hydraulics	✓	



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