LiuGong

856HE

BEV

OPERATING WEIGHT	BUCKET CAPACITY
49,119 lb (22,280 kg)	3.53-7.32 yd³ (2.7-5.6 m³)



XTRACARE
WARRANTY

856HE
WHEEL LOADER

LiuGong

SPECIFICATIONS

Operating weight	49,119 lb (22,280 kg)
Operating weight includes the machine weight with standard work device, no additional equipment or accessories, all fluids at required level and an operator 75 kg (165 lb).	
Bucket capacity	3.5–8.0 yd³ (2.7-6.1 m³)

POWER BATTERY

Description	
Battery Type: LFP, lithium iron phosphate battery	
Manufacturer	CATL
Model	LFP
Rated storage energy	423 kWh
Nominal voltage	618 V
Battery box protection level	IP68
Bontrol box protection level	IP67
Cooling method	Intelligent temperature control, liquid cooling
Optional battery charger specifications	215 hp (≤160 kW)
Charging time (160 kW battery charger)	≤ 130 min (SOC12% ~ 95%)

TRANSMISSION

Description	
Transmission: LiuGong EAT700 planetary, power shift transmission and FNR. The electric proportional valve provides a smooth and continuous variation in flow ensuring fast response when shifting.	
Number of Speeds: Forward 2, reverse 1	
Transmission type	Planetary, power shift
Maximum travel speed, fwd	24.9 mph (40 km/h)
Maximum travel speed, rev	8.1 mph (13 km/h)
Number of speed, fwd	2
Number of speed, rev	1

HYDRAULIC SYSTEM

Description	
System Supply: A variable displacement piston work pump and a variable displacement piston steering pump. Steering with a high-pressure load-sensitive flow amplification valve.	
Lift Function: The valve has four positions: lift, hold, lower, and float. Inductive/magnetic automatic boom kick-out can be switched on and off and is adjustable to two customized positions.	
Tilt Function: Realize compound action - boom lifting and dumping simultaneously.	
Brake: Dual-circuit full hydraulic brake system.	
Main pump type	Variable displacement pump
Control	Electric proportional joystick control
Main relief pressure	3,771 psi (26 MPa)
3rd function valve relief pressure	3,771 psi (26 MPa)
Raising time	5.2 s
Dump time	1.5 s
Float down time	2.3 s
Fastest total cycle time	9.0 s
3rd function valve maximum ffow	100 gal/min (380 L/min)

DRIVE MOTOR

Description	
Drive motor & hydraulic motor: Made by WEITELI	
Peak power	215 hp (160 kW)
Ambient temperature	-40~185 ℉ (-40~85℃)
Adaptive altitude	3.1 mile (≤5,000 m)

AXLES

Front and rear axle reduction ratio	23.3
Axle oscillation	±9.5°

STEERING

Steering configuration	Articulated
Steering relief pressure	3,064 psi (21 MPa)
Maximum flow	26.4 gal/min (100 L/min)
Steering cylinders	2
Cylinder bore	4" (90 mm)
Rod diameter	2" (50 mm)
Stroke	1'4" (395 mm)

ELECTRICAL SYSTEM

Description	
The central warning system includes central warning light and buzzer for the following functions: power battery fault alarm, motor fault alarm, insulation fault alarm, charger connection alarm, shutdown alarm. When working, the central warning light and buzzer are used for the following functions: power battery & travel motor & hydraulic motor temperature display, battery power display, brake low pressure alarm, parking brake indicator, transmission oil pressure alarm.	
Voltage	DC 24 V
Batteries	2×12 V
Battery capacity	120 Ah

SOUND & ENVIRONMENT

The emission sound pressure level at the operator's station	68 dB
Guaranteed sound power level	104 dB
Ventilation	784.8 yd³/h (600 m³/h)
Heating capacity	9 hp (7 kW)
Refrigerating capacity	7 hp (5.5 kW)

BRAKES

Description	
Electro-hydraulic proportional braking system.	
Service brake type	Full hydraulic
Service brake actuation	Hydraulic wet brake
Parking brake type	Drum
Parking brake actuation	Hydraulic cylinder brake

CAB

Description	
Instrumentation: All important information is centrally located in the central instrument panel and operator's field of vision. Large front window, rear mirrors, and standard review camera ensure great visibility.	
Tiltable and telescopic sterring column, heated air suspension high back seat, sliding side windows. Bluetooth radio, rear window grid defroster, heat and A/C with all-around air outlets are provided standard.	
Pressurized cab with lower interior noise. The cab is tested and approved according to ROPS (ISO 3471), FOPS (ISO 3449).	

SERVICE CAPACITY

Cooling system	11.9 gal (45 L)
Hydraulic system	60.8 gal (230 L)
Transmission and torque converter	6.1 gal (23 L)
Axles, front/rear	13.2 gal (50 L) /12.7 gal (48 L)

TIRES

Tire size	23.5 R25 ★ L–3

LOADER ARM DIMENSIONS

E Ground clearance	1'5" (431 mm)
F Length without bucket	23'3" (7,107 mm)
G Wheelbase	11'7" (3,525 mm)
H Cab height	11'6" (3,500 mm)
I Hood height	8'9" (2,670 mm)
J Wheel tread	7'6" (2,280 mm)
K Width over tires	9'5" (2,880 mm)
L Length with bucket down	28'5" (8,665 mm)
M Turn angle, either side	38°
P Rear angle of departure	28°
R1 Turning radius, bucket carry	23'8" (7,214 mm)
R2 Turning radius, outside of tire	21'9" (6,625 mm)
W Width over bucket	9'9" (2,970 mm)

LOADER ARM PERFORMANCE

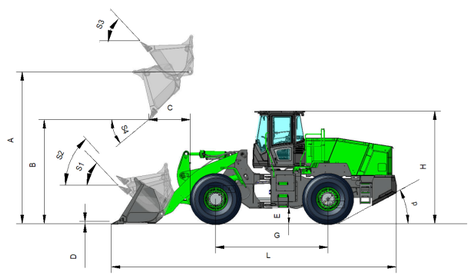
Tipping load - straight (iso 14397-1:2007)	39,242 lb (17,800 kg)
Tipping load - full turn (iso 14397-1:2007)	34,392 lb (15,600 kg)
Bucket breakout force	36,419 lbf (162 kN)
A Maximum hinge pin height	13'8" (4,156 mm)
B Dump clearance at full height discharge	9'9" (2,977 mm)
C Dump reach at full height discharge	4'0" (1,230 mm)
D Maximum digging depth, bucket level	2" (50 mm)
S1 Bucket rollback at ground level	45°
S2 Bucket rollback at carry	49°
S3 Bucket rollback at maximum height	56°
S4 Maximum dump angle at full height	45°

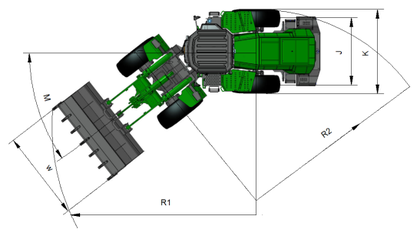
HIGH LIFT LOADER ARM DIMENSIONS

E Ground clearance	1'5" (431 mm)
F Length without bucket	24'2" (7,364 mm)
G Wheelbase	11'7" (3,525 mm)
H Cab height	11'6" (3,500 mm)
I Hood height	8'9" (2,670 mm)
J Wheel tread	7'6" (2,280 mm)
K Width over tires	9'5" (2,880 mm)
L Length with bucket down	28'5" (8,665 mm)
M Turn angle, either side	38°
P Rear angle of departure	28°
R1 Turning radius, bucket carry	24'1" (7,338 mm)
R2 Turning radius, outside of tire	21'9" (6,625 mm)
W Width over bucket	9'9" (2,970 mm)

HIGH LIFT LOADER ARM PERFORMANCE

Tipping load - straight (iso 14397-1:2007)	33,885 lb (15,370 kg)
Tipping load - full turn (iso 14397-1:2007)	29,542 lb (13,400 kg)
Bucket breakout force	41,590 lbf (185 kN)
A Maximum hinge pin height	14'11" (4,557 mm)
B Dump clearance at full height discharge	11'1" (3,378 mm)
C Dump reach at full height discharge	4'1" (1,237 mm)
D Maximum digging depth, bucket level	2" (50 mm)
S1 Bucket rollback at ground level	45°
S2 Bucket rollback at carry	49°
S3 Bucket rollback at maximum height	56°
S4 Maximum dump angle at full height	45°





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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		23.5R25	*	TL	1'11" (595 mm)	5'4" (1,615 mm)	1" (31.5 mm)	15,653 lb (7,100 kg) / 26,786 lb (12,150 kg)
L4	• In very aggressive materialwhere good protection against cut damages is demanded, e.g. in quarries or mines		23.5R25	**	TL	1'11" (595 mm)	5'4" (1,622 mm)	2" (50 mm)	20,393 lb (9,250 kg) / 31,967 lb (14,500 kg)
L5	• In very aggressive materialwhere good protection against cut damages is demanded, e.g. in quarries or mines		23.5R25	**	TL	1'11" (595 mm)	5'5" (1,662 mm)	3" (78.5 mm)	20,393 lb (9,250 kg) / 31,967 lb (14,500 kg)
Snow tire	• Snow pattern with good traction and wear-resistance		23.5R25	**	TL	1'11" (595 mm)	5'4" (1,615 mm)	1" (35 mm)	20,393 lb (9,250 kg) / 31,967 lb (14,500 kg)
Solid Tire	• Safe,durable,puncture-resistant, economical, maintenance-free,easy to operate • In generally smooth roads, short distance operation		23.5-25	/	Solid Tire	2' (600 mm)	5'3" (1,590 mm)	/	24,251 lb (11,000 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.

Tires	Operating Weight	Tipping Load- Full Turn		
		Standard	Long Arm	Extra Long Arm
L3	-	-	-	-
L4	+238 lb (108 kg)	+154 lb (70 kg)	+132 lb (60 kg)	+119 lb (54 kg)
L5	+1385 lb (628 kg)	+911 lb (413 kg)	+783 lb (355 kg)	+703 lb (319 kg)
Snow Tire	-44 lb (20 kg)	-22 lb (10 kg)	-18 lb (8 kg)	-15 lb (7 kg)
Solid Tire	+7610 lb (3,452 kg)	+5009 lb (2,272 kg)	+4301 lb (1,951 kg)	+3316 lb (1,504 kg)

Counterweight	Operating Weight	Tipping Load- Full Turn		
		Standard Arm	Long Arm	Extra Long Arm
Standard	-	-	-	-
Additional	+617 lb (280 kg)	+1188 lb (539 kg)	+1021 lb (463 kg)	+917 lb (416 kg)

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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.

856HE	Type		4.6 yd³ bucket (BOT)	4.6 yd³ bucket (BOCE)	4.6 yd³ bucket (BOT, BOS)	4.8 yd³ bucket (BOCE)
Bucket	Bucket Capacity	yd³	4.6	4.6	4.6	4.8
	Bucket Type	/	GP	GP	GP	GP
	Bucket Mounting	/	PIN-ON	PIN-ON	PIN-ON	PIN-ON
	GET Type	/	BOT	BOCE	BOT, BOS	BOCE
	Bucket Weight	lb	3,369	3,655	3,691	3,695
Standard Arm	Operating Weight	lb	44,183	44,469	44,505	44,509
	Breakout Force	lbf	42,039	40,016	40,016	40,016
	Tipping Load - Straight	lb	39,293	39,068	39,013	38,934
	Tipping Load - Full Turn	lb	34,341	34,097	34,046	33,975
	Max.Bucket Hinge Pin Height	ft/in	13'8"	13'8"	13'8"	13'8"
	Dump Clearance	ft/in	9'9"	9'7"	9'7"	9'7"
	Dump Reach	ft/in	4'0"	4'1"	4'1"	4'1"
	Overall Length	ft/in	28'5"	27'11"	28'5"	27'11"
	Overall Width	ft/in	9'9"	9'7"	9'9"	9'7"
	Overall Height	ft/in	11'6"	11'6"	11'6"	11'6"
	Turning Radius, Outside of Bucket	ft/in	23'8"	23'5"	23'8"	23'5"
Long Arm	Operating Weight	lb	44,425	44,712	44,747	44,752
	Breakout Force	lbf	41,590	39,791	39,791	39,791
	Tipping Load - Straight	lb	33,885	33,631	33,592	33,512
	Tipping Load - Full Turn	lb	29,542	29,273	29,235	29,167
	Max.Bucket Hinge Pin Height	ft/in	14'11"	14'11"	14'11"	14'11"
	Dump Clearance	ft/in	11'1"	10'11"	10'11"	10'11"
	Dump Reach	ft/in	3'10"	3'11"	3'11"	3'11"
	Overall Length	ft/in	29'6"	28'11"	29'6"	28'11"
	Overall Width	ft/in	9'9"	9'7"	9'9"	9'7"
	Overall Height	ft/in	11'6"	11'6"	11'6"	11'6"
	Turning Radius, Outside of Bucket	ft/in	24'1"	23'10"	24'1"	23'10"
Extra Long Arm	Operating Weight	lb	44,791	45,078	45,113	45,118
	Breakout Force	lbf	40,241	38,442	38,442	38,442
	Tipping Load - Straight	lb	30,536	30,272	30,243	30,164
	Tipping Load - Full Turn	lb	26,552	26,272	26,246	26,175
	Max.Bucket Hinge Pin Height	ft/in	15'9"	15'9"	15'9"	15'9"
	Dump Clearance	ft/in	11'11"	11'8"	11'8"	11'8"
	Dump Reach	ft/in	3'11"	3'11"	3'11"	3'11"
	Overall Length	ft/in	30'3"	29'9"	30'3"	29'9"
	Overall Width	ft/in	9'9"	9'7"	9'9"	9'7"
	Overall Height	ft/in	11'6"	11'6"	11'6"	11'6"
	Turning Radius, Outside of Bucket	ft/in	24'5"	24'2"	24'5"	24'2"

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856HE			4.6 yd³ bucket (QC, BOT)	4.6 yd³ bucket (QC, BOCE)	4.6 yd³ bucket (QC, BOT)	4.6 yd³ bucket (QC, BOCE)
Bucket	Bucket Capacity	yd³	3.9	4.2	4.6	4.6
	Bucket Type	/	GP	GP	GP	GP
	Bucket Mounting	/	QC	QC	QC	QC
	GET Type	/	BOT	BOCE	BOT	BOCE
	Bucket Weight	lb	2,976	3,230	3,168	3,386
Standard Arm	Operating Weight	lb	44,749	45,003	44,868	45,159
	Breakout Force	lbf	40,690	39,342	36,419	34,845
	Tipping Load - Straight	lb	36,123	35,949	35,975	35,435
	Tipping Load - Full Turn	lb	31,491	31,299	31,347	30,827
	Max.Bucket Hinge Pin Height	ft/in	13'8"	13'8"	13'8"	13'8"
	Dump Clearance	ft/in	9'7"	9'7"	9'3"	9'2"
	Dump Reach	ft/in	3'11"	4'1"	4'3"	4'6"
	Overall Length	ft/in	28'8"	27'11"	29'1"	28'5"
	Overall Width	ft/in	9'9"	9'7"	9'9"	9'7"
	Overall Height	ft/in	11'6"	11'6"	11'6"	11'6"
	Turning Radius, Outside of Bucket	ft/in	23'9"	23'6"	23'10"	23'7"
Long Arm	Operating Weight	lb	44,992	45,245	45,111	45,402
	Breakout Force	lbf	40,690	39,117	36,419	34,845
	Tipping Load - Straight	lb	31,356	31,087	31,158	30,598
	Tipping Load - Full Turn	lb	27,256	26,985	27,071	26,535
	Max.Bucket Hinge Pin Height	ft/in	14'11"	14'11"	14'11"	14'11"
	Dump Clearance	ft/in	10'11"	10'10"	10'7"	10'6"
	Dump Reach	ft/in	3'9"	3'11"	4'1"	4'3"
	Overall Length	ft/in	29'8"	28'12"	30'2"	29'6"
	Overall Width	ft/in	9'9"	9'7"	9'9"	9'7"
	Overall Height	ft/in	11'6"	11'6"	11'6"	11'6"
	Turning Radius, Outside of Bucket	ft/in	24'2"	23'10"	24'4"	24'0"
Extra Long Arm	Operating Weight	lb	45,358	45,611	45,477	45,768
	Breakout Force	lbf	39,342	37,768	35,295	33,721
	Tipping Load - Straight	lb	28,356	28,058	28,138	27,582
	Tipping Load - Full Turn	lb	24,575	24,277	24,370	23,841
	Max.Bucket Hinge Pin Height	ft/in	15'9"	15'9"	15'9"	15'9"
	Dump Clearance	ft/in	11'8"	11'8"	11'4"	11'4"
	Dump Reach	ft/in	3'9"	3'12"	4'1"	4'4"
	Overall Length	ft/in	30'5"	29'9"	30'11"	30'4"
	Overall Width	ft/in	9'9"	9'7"	9'9"	9'7"
	Overall Height	ft/in	11'6"	11'6"	11'6"	11'6"
	Turning Radius, Outside of Bucket	ft/in	24'6"	24'2"	24'7"	24'4"

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856HE	Type		4.8 yd³ bucket (QC, BOCE) (Refuse)	4.8 yd³ bucket (QC, BOCE)	5.5 yd³ bucket (QC, BOT, BOS)	8 yd³ High Dump (QC)
Bucket	Bucket Capacity	yd³	4.8	4.8	5.5	8
	Bucket Type	/	GP	GP	GP	GP
	Bucket Mounting	/	QC	QC	QC	QC
	GET Type	/	BOCE	BOCE	BOT, BOS	\
	Bucket Weight	lb	3,474	3,523	3,810	7,238
Standard Arm	Operating Weight	lb	45,248	45,609	46,218	48,751
	Breakout Force	lbf	34,845	33,272	31,698	26,527
	Tipping Load - Straight	lb	35,871	30,217	33,903	31,821
	Tipping Load - Full Turn	lb	31,202	26,180	33,903	27,240
	Max.Bucket Hinge Pin Height	ft/in	13'8"	14'11"	13'8"	13'8"
	Dump Clearance	ft/in	9'2"	10'3"	8'8"	7'10"
	Dump Reach	ft/in	4'6"	4'3"	4'6"	5'6"
	Overall Length	ft/in	28'5"	28'9"	29'5"	30'3"
	Overall Width	ft/in	9'7"	9'7"	10'6"	11'0"
	Overall Height	ft/in	11'6"	11'6"	11'6"	11'6"
	Turning Radius, Outside of Bucket	ft/in	23'7"	23'8"	24'4"	24'9"
Long Arm	Operating Weight	lb	45,490	45,609	46,460	48,993
	Breakout Force	lbf	34,621	33,272	31,473	25,179
	Tipping Load - Straight	lb	30,885	30,217	29,149	26,786
	Tipping Load - Full Turn	lb	26,777	26,180	25,128	22,767
	Max.Bucket Hinge Pin Height	ft/in	14'11"	14'11"	14'11"	14'11"
	Dump Clearance	ft/in	10'6"	10'3"	10'0"	9'2"
	Dump Reach	ft/in	4'3"	4'3"	4'4"	5'4"
	Overall Length	ft/in	29'6"	29'9"	30'5"	31'4"
	Overall Width	ft/in	9'7"	9'7"	10'6"	11'0"
	Overall Height	ft/in	11'6"	11'6"	11'6"	11'6"
	Turning Radius, Outside of Bucket	ft/in	24'0"	24'1"	24'9"	25'2"
Extra Long Arm	Operating Weight	lb	45,856	45,975	46,826	49,359
	Breakout Force	lbf	33,497	32,148	30,124	24,055
	Tipping Load - Straight	lb	27,791	27,227	26,180	23,678
	Tipping Load - Full Turn	lb	24,013	23,508	23,616	19,991
	Max.Bucket Hinge Pin Height	ft/in	15'9"	15'9"	15'9"	15'9"
	Dump Clearance	ft/in	11'4"	11'0"	10'10"	9'11"
	Dump Reach	ft/in	4'4"	4'3"	4'4"	5'5"
	Overall Length	ft/in	30'4"	30'7"	31'3"	32'1"
	Overall Width	ft/in	9'7"	9'7"	10'6"	11'0"
	Overall Height	ft/in	11'6"	11'6"	11'6"	11'6"
	Turning Radius, Outside of Bucket	ft/in	24'4"	24'5"	25'0"	25'6"

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856HE	Type		3.5 m³ bucket (BOT)	3.5 m³ bucket (BOCE)	3.5 m³ bucket (BOT, BOS)	3.7 m³ bucket (BOCE)
Bucket	Bucket Capacity	m³	3.5	3.5	3.5	3.7
	Bucket Type	/	GP	GP	GP	GP
	Bucket Mounting	/	PIN-ON	PIN-ON	PIN-ON	PIN-ON
	GET Type	/	BOT	BOCE	BOT, BOS	BOCE
	Bucket Weight	kg	1,528	1,658	1,674	1,676
Standard Arm	Operating Weight	kg	20,041	20,171	20,187	20,189
	Breakout Force	kN	187	178	178	178
	Tipping Load - Straight	kg	17,823	17,721	17,696	17,660
	Tipping Load - Full Turn	kg	15,577	15,466	15,443	15,411
	Max.Bucket Hinge Pin Height	mm	4,156	4,156	4,156	4,156
	Dump Clearance	mm	2,977	2,919	2,919	2,919
	Dump Reach	mm	1,230	1,243	1,243	1,243
	Overall Length	mm	8,665	8,505	8,665	8,505
	Overall Width	mm	2,970	2,920	2,970	2,920
	Overall Height	mm	3,500	3,500	3,500	3,500
	Turning Radius, Outside of Bucket	mm	7,214	7,149	7,214	7,149
Long Arm	Operating Weight	kg	20,151	20,281	20,297	20,299
	Breakout Force	kN	185	177	177	177
	Tipping Load - Straight	kg	15,370	15,255	15,237	15,201
	Tipping Load - Full Turn	kg	13,400	13,278	13,261	13,230
	Max.Bucket Hinge Pin Height	mm	4,557	4,557	4,557	4,557
	Dump Clearance	mm	3,380	3,320	3,320	3,320
	Dump Reach	mm	1,175	1,187	1,187	1,187
	Overall Length	mm	8,983	8,824	8,983	8,824
	Overall Width	mm	2,970	2,920	2,970	2,920
	Overall Height	mm	3,500	3,500	3,500	3,500
	Turning Radius, Outside of Bucket	mm	7,338	7,270	7,338	7,270
Extra Long Arm	Operating Weight	kg	20,317	20,447	20,463	20,465
	Breakout Force	kN	179	171	171	171
	Tipping Load - Straight	kg	13,851	13,731	13,718	13,682
	Tipping Load - Full Turn	kg	12,044	11,917	11,905	11,873
	Max.Bucket Hinge Pin Height	mm	4,799	4,799	4,799	4,799
	Dump Clearance	mm	3,621	3,563	3,563	3,563
	Dump Reach	mm	1,188	1,201	1,201	1,201
	Overall Length	mm	9,221	9,064	9,221	9,064
	Overall Width	mm	2,970	2,920	2,970	2,920
	Overall Height	mm	3,500	3,500	3,500	3,500
	Turning Radius, Outside of Bucket	mm	7,430	7,361	7,430	7,361

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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.

856HE			3.0 m³ bucket (QC, BOT)	3.2m³ bucket (QC, BOCE)	3.5 m³ bucket (QC, BOT)	3.5m³ bucket (QC, BOCE)
Bucket	Bucket Capacity	m³	3	3.2	3.5	3.5
	Bucket Type	/	GP	GP	GP	GP
	Bucket Mounting	/	QC	QC	QC	QC
	GET Type	/	BOT	BOCE	BOT	BOCE
	Bucket Weight	kg	1,350	1,465	1,437	1,536
Standard Arm	Operating Weight	kg	20,298	20,413	20,352	20,484
	Breakout Force	kN	181	175	162	155
	Tipping Load - Straight	kg	16,385	16,306	16,318	16,073
	Tipping Load - Full Turn	kg	14,284	14,197	14,219	13,983
	Max.Bucket Hinge Pin Height	mm	4,156	4,156	4,156	4,156
	Dump Clearance	mm	2,919	2,909	2,818	2,800
	Dump Reach	mm	1,193	1,253	1,294	1,363
	Overall Length	mm	8,732	8,519	8,877	8,674
	Overall Width	mm	2,970	2,920	2,970	2,920
	Overall Height	mm	3,500	3,500	3,500	3,500
	Turning Radius, Outside of Bucket	mm	7,238	7,153	7,276	7,192
Long Arm	Operating Weight	kg	20,408	20,523	20,462	20,594
	Breakout Force	kN	181	174	162	155
	Tipping Load - Straight	kg	14,223	14,101	14,133	13,879
	Tipping Load - Full Turn	kg	12,363	12,240	12,279	12,036
	Max.Bucket Hinge Pin Height	mm	4,557	4,557	4,557	4,557
	Dump Clearance	mm	3,321	3,310	3,220	3,201
	Dump Reach	mm	1,136	1,196	1,237	1,306
	Overall Length	mm	9,044	8,838	9,188	8,993
	Overall Width	mm	2,970	2,920	2,970	2,920
	Overall Height	mm	3,500	3,500	3,500	3,500
	Turning Radius, Outside of Bucket	mm	7,363	7,274	7,405	7,316
Extra Long Arm	Operating Weight	kg	20,574	20,689	20,628	20,760
	Breakout Force	kN	175	168	157	150
	Tipping Load - Straight	kg	12,862	12,727	12,763	12,511
	Tipping Load - Full Turn	kg	11,147	11,012	11,054	10,814
	Max.Bucket Hinge Pin Height	mm	4,799	4,799	4,799	4,799
	Dump Clearance	mm	3,563	3,553	3,462	3,443
	Dump Reach	mm	1,150	1,211	1,251	1,320
	Overall Length	mm	9,278	9,078	9,423	9,233
	Overall Width	mm	2,970	2,920	2,970	2,920
	Overall Height	mm	3,500	3,500	3,500	3,500
	Turning Radius, Outside of Bucket	mm	7,458	7,365	7,501	7,409

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ATTACHMENTS

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856HE	Type		3.7 m³ bucket (QC, BOCE) (Refuse)	3.7 m³ bucket (QC, BOCE)	4.2 m³ bucket (QC, BOT, BOS)	6.1 m³ High Dump (QC)
Bucket	Bucket Capacity	m³	3.7	3.7	4.2	6.1
	Bucket Type	/	GP	GP	GP	GP
	Bucket Mounting	/	QC	QC	QC	QC
	GET Type	/	BOCE	BOCE	BOT, BOS	\
	Bucket Weight	kg	1,576	1,598	1,728	3,283
Standard Arm	Operating Weight	kg	20,524	20,688	20,964	22,113
	Breakout Force	kN	155	148	141	118
	Tipping Load - Straight	kg	16,271	13,706	15,378	14,434
	Tipping Load - Full Turn	kg	14,153	11,875	15,378	12,356
	Max.Bucket Hinge Pin Height	mm	4,156	4,558	4,156	4,156
	Dump Clearance	mm	2,800	3,113	2,647	2,380
	Dump Reach	mm	1,363	1,293	1,368	1,684
	Overall Length	mm	8,674	8,760	8,967	9,228
	Overall Width	mm	2,920	2,920	3,210	3,360
	Overall Height	mm	3,500	3,500	3,500	3,500
	Turning Radius, Outside of Bucket	mm	7,192	7,218	7,406	7,545
Long Arm	Operating Weight	kg	20,634	20,688	21,074	22,223
	Breakout Force	kN	154	148	140	112
	Tipping Load - Straight	kg	14,009	13,706	13,222	12,150
	Tipping Load - Full Turn	kg	12,146	11,875	11,398	10,327
	Max.Bucket Hinge Pin Height	mm	4,557	4,557	4,557	4,557
	Dump Clearance	mm	3,201	3,112	3,048	2,782
	Dump Reach	mm	1,306	1,293	1,312	1,628
	Overall Length	mm	8,993	9,075	9,283	9,544
	Overall Width	mm	2,920	2,920	3,210	3,360
	Overall Height	mm	3,500	3,500	3,500	3,500
	Turning Radius, Outside of Bucket	mm	7,316	7,344	7,535	7,678
Extra Long Arm	Operating Weight	kg	20,800	20,854	21,240	22,389
	Breakout Force	kN	149	143	134	107
	Tipping Load - Straight	kg	12,606	12,350	11,875	10,740
	Tipping Load - Full Turn	kg	10,892	10,663	10,712	9,068
	Max.Bucket Hinge Pin Height	mm	4,799	4,799	4,799	4,799
	Dump Clearance	mm	3,443	3,355	3,290	3,024
	Dump Reach	mm	1,320	1,307	1,326	1,642
	Overall Length	mm	9,233	9,312	9,520	9,781
	Overall Width	mm	2,920	2,920	3,210	3,360
	Overall Height	mm	3,500	3,500	3,500	3,500
	Turning Radius, Outside of Bucket	mm	7,409	7,439	7,629	7,774

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STANDARD & OPTIONAL EQUIPMENT

POWER SYSTEM	STD	OPT
CATL battery, WEITELI drive motor and pump motor	√	
Hydraulically-driven reversible fan	√	
Electronic controlled fan with automatically speed adjustment, and auto reversing functions	√	

TRANSMISSION	STD	OPT
LiuGong EAT700 planetary electric control transmission	√	

AXLE	STD	OPT
LiuGong wet axles	√	
Front & rear limited slip differentials	√	
Parking brake service as secondary	√	

HYDRAULIC SYSTEM	STD	OPT
Closed-center variable displacement load sensing system	√	
3 SPL valve	√	
Integrated pilot single joystick with FNR	√	
4 SPL valve		√
Ride control		√
Load holding valve		√

STEERING SYSTEM	STD	OPT
Load sensing system with flow amplification and steering priority	√	
Secondary steering system	√	

TIRE & RIM	STD	OPT
Radial Tire, 23.5R25 ★ L-3	√	
Tire nozzle protection	√	
Bias, tube tire		√
Solid tire		√

CHASSIS FRAME	STD	OPT
Spacious central articulation arrangement with beval bearing	√	
Articulation locking bar	√	
Tow hitch	√	

PROTECTIVE DEVICE	STD	OPT
Protection guard of cab		√
Tire chain		√

OPERATOR STATION	STD	OPT
Pressurized cab, with FOPS&ROPS	√	
One button start	√	
Steering colomn, up & down, front & rear multiple direction adjustable	√	
Air-suspension seat, electrically heated, high back, armrest, headrest, multi-direction adjustable	√	
Full LCD front instrument panel	√	
Indicators: high & low beams, locking status, parking brake, direction, lubrication system, battery charging, operation ready, etc.	√	
AC system	√	
Instument: voltage, motor speed, fault code, SOH/ SOC, battery temperature, hour meter, etc.	√	
Fresh air circulation system	√	
Electrically heated rearview mirrors	√	
Front and rear sun visors	√	
Back-up alarm with white noise backup alarm	√	
Rear view camera	√	
Electric horn	√	
Cab rear windshield defroster	√	
Rotating beacon	√	
Cab dust removal device		√
360 panoramic view camera		√
Backup radar		√
Steering joystick		√
Payload		√

LINKAGE & ATTACHMENTS	STD	OPT
High / extra-high linkage	√	
Snow pushing device	√	
Rock bucket	√	
Side dump bucket	√	
High dump bucket	√	
Grapple	√	

OTHERS	STD	OPT
Automatic centralized lubrication	√	
Fenders	√	
Liugong telematics	√	
Light protective guard	√	
Boom supporting brackets	√	
Quick coupler	√	
Chassis guard	√	
Low temperature package		√

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LIUGONG

TOUGH WORLD. TOUGH EQUIPMENT.

LiuGong Construction Machinery N.A., LLC
22220 Merchants Way, Suite 100, Katy, Texas 77449
Telephone: 281-579-8882
FAX: 281-579-8388
www.liugongna.com

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