Engine
Yanmar 4TNV98

Net Power
44.5 hp (60 kW)

Operating Weight
7,500 kg

Bucket Capacity
0.32 m³

908E
EXCAVATOR

LiuGong

TOUGH WORLD. TOUGH EQUIPMENT.

TOUGH WORLD. TOUGH EQUIPMENT.

You don't need to be told it's a tough world. It's your reality, you live it every day and you know how hard it can be on your people and your machines. It's getting tougher to make your business pay too, with rising costs, increasing legislation and greater competition. We understand and we've put that understanding into action with our new 908E.

908E. NO TOUGH COMPROMISES, JUST EVERYTHING YOU NEED AND NOTHING YOU DON'T

The construction equipment industry has seen an expensive trend towards over-engineered products. Some manufacturers genuinely believe that adding cost, adds perceived value in customers' eyes.

BUT YOU TOLD US A DIFFERENT STORY

You asked for a tough, well-engineered excavator, which can do the job. Any job.

YOU WANTED A LARGE-SIZED EXCAVATOR THAT DELIVERS ON 3 ESSENTIAL NEEDS;

1 

FIT FOR PURPOSE

2 

UPTIME AND SUPPORT

3 

TOTAL COST OF OWNERSHIP

With the 908E, we've met your challenge and given you everything you want – without compromise.

TOUGH FACTS

TOUGH QUALITY STANDARDS

When it comes to quality, we let our actions to speak for themselves.

We are following a rigorous Six Sigma methodology and consistently achieve ISO 9001 standards.

TOUGH RESEARCH AND TESTING

Finding tougher, smarter, safer and more cost-effective ways of working matters to you. It matters to us too. Our new Global Research & Development Centre in Liuzhou China, is a great example of this customer focused approach. We've established an international team of industry experts, backed up with the latest world-class technology, all focused on delivering greater value to you.

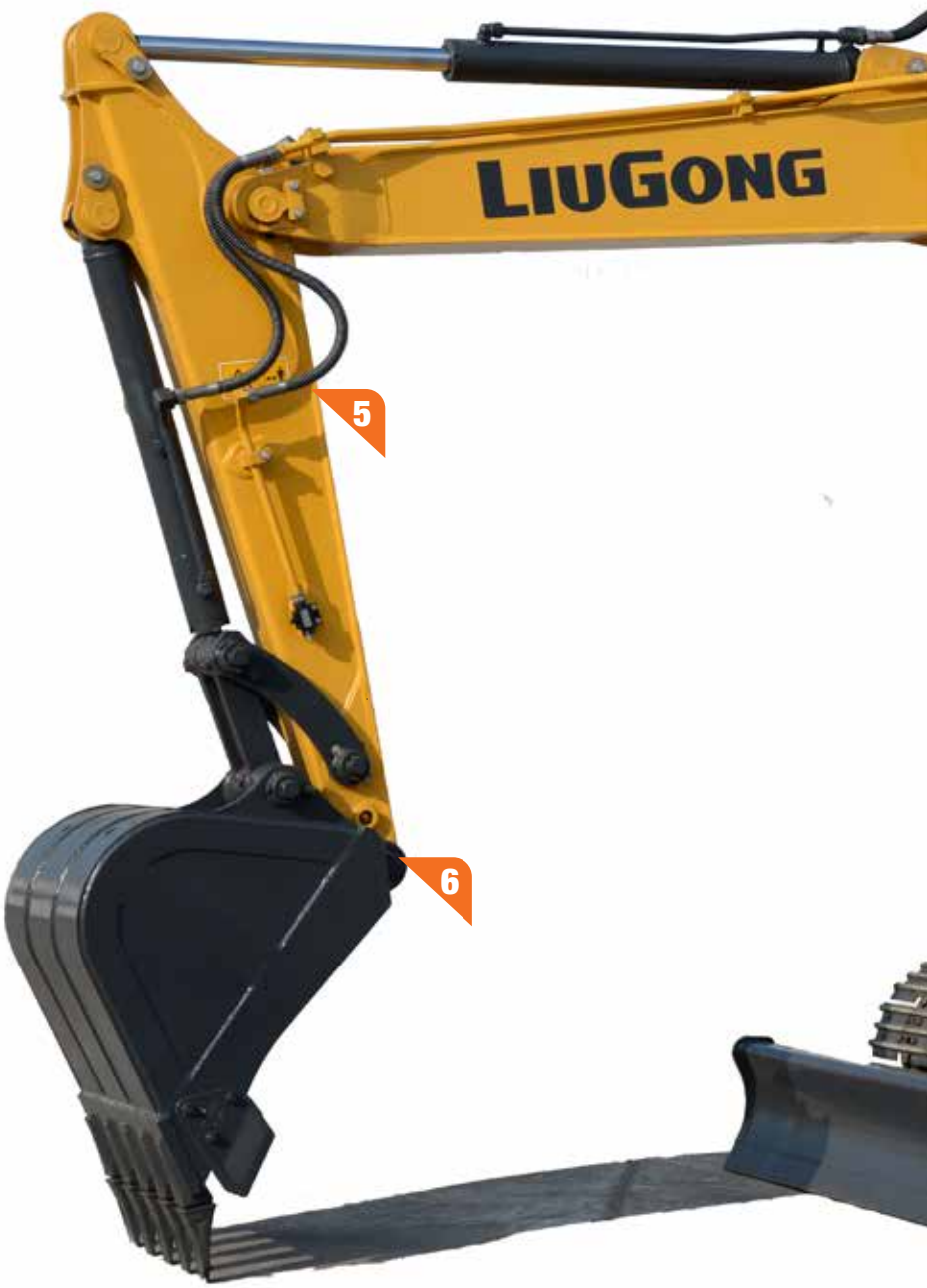
TOUGH PARTNERS

LiuGong has teamed up with some of the industry's best known names. Here's just a few of our valued joint venture partners;

- German drivetrain components manufacturer ZF Friedrichshafen AG
- Finnish mining and aggregates processing equipment manufacturer Metso
- North American diesel engine manufacturer Cummins

FIT FOR PURPOSE

The LiuGong 908E Excavator delivers high performance, durability and reliability in a standard tail swing design to help you work in a variety of applications.



1 POWERFUL ENGINE

The fuel efficient, Tier 3 certified Yanmar 4TNV98 engine provides proven and reliable power.

2 TOUGHER COMPONENTS

The undercarriage components are tougher. Heavy duty rollers, reinforced idler frame and optional full track guard guarantee the integrity of our undercarriage. It's this core strength that enables our customers to keep working and earning – around the clock.

3 ADVANCED HYDRAULICS

Advanced hydraulic system is perfectly matched to the engine and components for fast response and smooth operation. The hydraulic system provides a load sensing and flow sharing capability leading to operational precision, efficient performance and greater controllability.

4 COMFORTABLE OPERATION ENVIRONMENT

The 908E cab enlarges operating space by 27% compared with our previous model. Ergonomically designed controls, clear visibility and convenient features all contribute to operator comfort and overall productivity on the job site.

5 FASTER CYCLE TIMES

Greater hydraulic flow and higher swing speeds combine to improve cycle times by 5% on tasks such as earth moving, digging, trenching and backfilling compared with our previous model.

6 SIMPLY MULTIFUNCTIONAL

Switching attachments like buckets, breakers and shears can be time consuming and hazardous. We've made it fast, safe and simple with LiuGong's quick coupler and powerlatch tilt coupler. These are perfectly matched to a range of genuine LiuGong attachments including; buckets and breakers which can be changed from the seat of the cab in less than a minute, quick, safe and easy.

TOUGH EQUIPMENT
40,000 Excavators currently in the field.
Over **1/2 BILLION** productive hours worked.

TOUGH JUDGES

Operators are tough judges. They know what they like and what they don't. We've talked, we've listened and we've delivered a no-nonsense excavator that will do everything the operator wants and needs it to do. Job done? Judge for yourself.

908E EXCAVATOR

POWER TO GET THE JOBS DONE RIGHT

Fit for purpose is about giving your operators efficient and intelligent power when they need it, with control and precision. That's what we do.

POWER WITHOUT COMPROMISE

The 908E is powered by Yanmar 4TNV98 engine with a rated net power of 60 hp (44.5 kW) @ 2,200 rpm in compliance with Tier 3 emission standards.

The engine delivers unmatched and dependable power in its class yet it produces virtually zero emissions.

The engine utilizes a precise and high pressure common-rail fuel injection system, turbo charger and air-to-air intercooler along with electronic engine controls to optimize machine performance. Auto idle system contributes to low fuel consumption and low noise.

WORKING MODES SELECTION

The 908E excavator is equipped with two working modes - E Economy mode and P Power mode. Power Mode provides maximum production/ power and fastest cycle time. Economy mode allow smooth boom operation with lowest fuel consumption. Both can be selected easily on the monitor to match production requirement.

ADVANCED HYDRAULIC SYSTEM

The hydraulic system is highly effective in delivering power and precise control to where the operator really needs it, making even the toughest job simple.

High system pressure delivers impressive tractive force when climbing gradients or travelling over rough terrain. For improved performance, the 908E boasts a 5.3% improvement in tractive force compared to the previous model.

SMART FUEL ECONOMY (SAVE UP TO 4 L)

The intelligent combination of powerful digging force, swing torque and lifting performance make the most of every drop of fuel. The 908E maximizes fuel economy by intelligently regulating its idle speed by the second.

1 second: If no hydraulic request signal detected from the joystick, the engine speed is automatically dropped by 100 RPM, saving 1 liter of fuel every 2 hours.

3 seconds: If no activity is detected over three seconds the engine speed will decrease to idle.

In each case, as soon as the system detects the hydraulic signal once more, the engine will immediately return to the previous throttle speed setting. Our tests indicate that up to 4 liters of fuel can be saved on an 8-hour shift.

DAILY CHECKS AND MAINTENANCE SHOULDN'T BE TOUGH

Simple daily checks and maintenance prolong machine performance but, they can be difficult and time consuming on tough job sites where time is precious. **Not with the 908E**.

Smart and effective design makes service and maintenance fast and simple – that's good news for operators who work in some of the toughest places on the planet.

The 908E is equipped with a durable plastic air cleaner designed for easy maintenance.

A newly designed full-open type engine hood and large side doors make service convenient.

All service check points are accessible from ground level.

ONBOARD MONITORING

With onboard monitoring, the operator can check the machine's vital signs without leaving his seat.

Using the LCD display, the operator can easily check oil temperatures and pressure levels, receive service interval alerts and access other information that contributes to simple maintenance and servicing of the machine.

EASILY ACCESSIBLE CHECK POINTS:

1. Engine oil check dipstick
2. Fuel filter
3. Coolant refill
4. Coolant reservoir
5. Refrigerant refill
6. Engine oil refill
7. Oil water separator
8. Oil filter
9. Secondary filter
10. A/C filter elelment
11. Air filter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7
8
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11

DESIGNED TO MAKE JOB EASIER ON THE OPERATOR

In the 908E cab, you're working in complete comfort and outstanding visibility all around. We understand how operators like to work and have designed the cab for maximum comfort and ultimate productivity.

AT HOME IN THE CAB

The 908E cab is spacious and has all the features to make excavator operation as safe and comfortable as possible, booting operator efficiency shift after shift.

The E-series cab is designed to reduce noise and vibration, putting operators first. Convenient additions include cap holders, an AM/FM radio and MP3 player, refrigerated storage and personal luggage compartment. The cab is also fitted with a roof skylight that can be opened or closed as the operator chooses.

ERGONOMIC EXCELLENCE

All hand and foot controls are precisely positioned, right where you need them to be. They are easy to see, easy to reach and easy to handle.

The multi-adjustable air-suspension seats are comfortable and designed to keep the operator fresh and alert.

ADVANCED CLIMATE CONTROL

An advanced climate control system creates the right environment in any weather, while dust is eliminated thanks to the complete sealing of the pressurized cab.

LARGE LCD MONITOR

The easy-to-read, full-color LCD monitor displays all the critical information your operator needs, including working mode, hydraulic oil temperature, hydraulic pressure and service intervals.

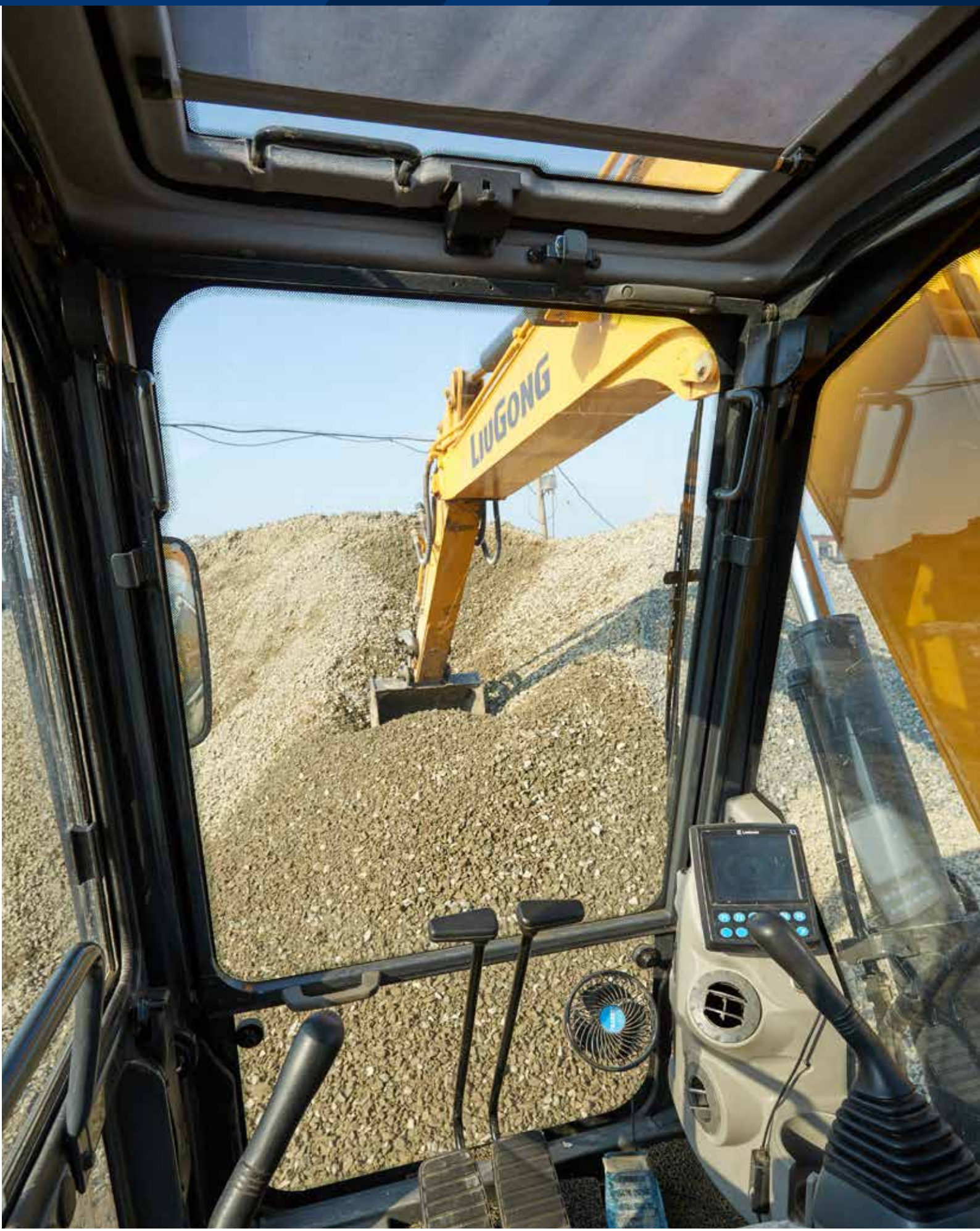
BROAD VISION ALL AROUND

The cab design features a large glass surface for exceptional job site visibility. With the addition of an optional rear-view camera, the operator can easily see safely all around.

WE PUT OPERATORS FIRST

It makes good business sense to give operators the very best working environment – a comfortable operator is a productive operator. The 908E keeps operators safer, more alert and more productive.

Smart additions such as; rear view camera, heated seats, refrigerator or personal belonging compartment and an iPod/AUX connection combine to create the best environment– for the best operators.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JOBSITE UPTIME AND SUPPORT

Fit for purpose might convince you to buy your first machine, but it's uptime and support and total cost of ownership which will keep you coming back to buy more machines. Having confidence in the machine's back up and support network is a vital part of the purchasing decision. How do we at LiuGong measure up?

FAST RESPONDING GLOBAL NETWORK

We have an extensive dealer network of over 2,650 outlets in more than 130 countries.

All supported by 10 regional subsidiaries and 9 global parts centers offering expert training, parts and service support.

WE ARE LIUGONG. WORKING HARD TO KEEP OUR GLOBAL CUSTOMERS EARNING

- 8,000+ Employees
- 20 Factories
- 10 Global offices
- 2,650+ Sales outlets
- 1,000+ R&D engineers
- 5 R&D facilities
- 9 Regional parts depots
- Nearly 60 Years' experience

WHERE YOU NEED US WHEN YOU NEED US

Reliability is built into our machines but all machines have some planned downtime. Our aim is to reduce even planned down time to the minimum by getting it right.

Technician training and parts availability are also high on our agenda, as is keeping you informed on service and maintenance work and providing clear and accurate estimates, invoices and communication.

These may be small things, but customer feedback tells us that these basics really matter – so we aim to get them right.

MAINTENANCE AND SUPPORT PACKAGES

From genuine LiuGong parts, to full repair and maintenance contracts, LiuGong has the flexibility to offer the level of support and response to suit your business and applications. Whatever level of support you choose you can be confident that it is backed up by LiuGong's service promise.

Right parts.
Right price.
Right service.

Above all,
we get it right
the first time.

LIUGONG SERVICE PROMISE

- Highly trained technicians utilizing the latest diagnostic equipment
- 15,000+ Genuine LiuGong parts available within 24hrs from our European Parts Distribution Center
- Multi-lingual Service helpline and online support
- Transparent estimates and invoicing
- Clear communications through electronic parts catalogue

TOTAL COST OF OWNERSHIP

Fit for purpose and uptime and support are two key excavator purchasing criteria but ultimately, the machines earning potential, its overall life cost and its trade-in value really matter too.

PROFESSIONAL ADVICE

We are committed to reducing your total cost of ownership and increasing your profits. As part of this, LiuGong's experts will provide targeted advice on everything, from choosing the right machine for your needs to maximizing its efficiency on site.

MACHINE AVAILABILITY

Our machines deliver everything you need and nothing you don't. They are expertly engineered NOT over engineered. As a result of having an extensive manufacturing operation right in the heart of Europe, we can offer significantly shorter lead times on a range of models, compared with some manufacturers. In fact, we can deliver selected machines in as little as 4 weeks.

The faster you can get a machine – the faster you can get working and earning.

Our aim is to get you on to the jobsite fast.

TICKET PRICE

At LiuGong, our aim is to provide you with real, measurable value by giving you everything you need and nothing you don't. For example, we choose high quality, proven components such as Yanmar engines and Kawasaki hydraulic pumps. These proven components, combined with LiuGong design and manufacturing quality, result in a high quality, competitive machine that is totally fit for purpose.

RESIDUAL VALUE

With the combination of LiuGong design and manufacturing excellence, world class components and comprehensive uptime support, our quality holds its value.

IT ALL ADDS UP

With the 908E we've risen to the challenge and given you everything you need and nothing you don't.

It's an excavator which can handle any job, anywhere, backed up by LiuGong's service promise and designed to perform on the jobsite and on the balance sheet. Add up the benefits and you'll see that 908E represents the formula for success.

FIT FOR PURPOSE

+

UPTIME AND SUPPORT

+

TOTAL COST OF OWNERSHIP

CUSTOMER SATISFACTION

SPECIFICATIONS

OPERATING WEIGHT	7,500 kg

Operating weight includes coolant, lubricants, full fuel tank, cab, standard shoes, boom, arm, bucket and operator 75 kg.

BUCKET CAPACITY	0.32 m³

ENGINE

Description	
Yanmar EU Stage IIIIA, 3.3 liter, 4 stroke direct injection diesel engine. Air cleaner: Direct flow air filter. Cooling system: Charge-air cooler (CAC)	
Emission rating	EPA Tier 3 / EU Stage IIIA
Engine manufacturer	Yanmar
Engine model	4TNV98
Aspiration	Wastegate Turbo (WGT)
Charged air cooling	Aftercooler
Cooling fan drive	Direct
Displacement	3.3 L
Rated speed	2,200 rpm
Engine output - net (SAE J1349 / ISO 9249)	44.5 kW (60 hp)
Engine output - gross (SAE J1995 / ISO 14396)	46.3 kW (62 hp)
Maximum torque	245 N·m @1,650 rpm
Bore × Stroke	98 × 110 mm

UNDERCARRIAGE

Track shoe each side	39
Link pitch	154 mm
Shoe width, triple grouser	450 mm / 600 mm
Bottom rollers each side	5
Top rollers each side	2

SWING SYSTEM

Description	
Planetary gear reduction driven by high torque axial piston motor, with oil disk brake. Swing parking brake resets within five seconds after swing pilot controls return to neutral.	
Swing speed	11 rpm
Swing torque	20,300 N·m

HYDRAULIC SYSTEM

Main pump	
Type	One variable displacement piston pump
Maximum flow	167.2 L/min
Pilot pump	
Type	Gear pump
Maximum flow	22 L/min
Relief valve setting	
Implement	29.4 MPa
Travel circuit	29.4 MPa
Slew circuit	23.4 MPa
Pilot circuit	3.9 MPa
Hydraulic cylinders	
Boom Cylinder – Bore × Stroke	Φ110 × 840 mm
Stick Cylinder – Bore × Stroke	Φ90 × 867 mm
Bucket Cylinder – Bore × Stroke	Φ80 × 710 mm

ELECTRIC SYSTEM

System Voltage	12 V
Batteries	12 V
Alternator	12 V - 55 A
Start motor	12 V - 3 kW

SERVICE CAPACITIES

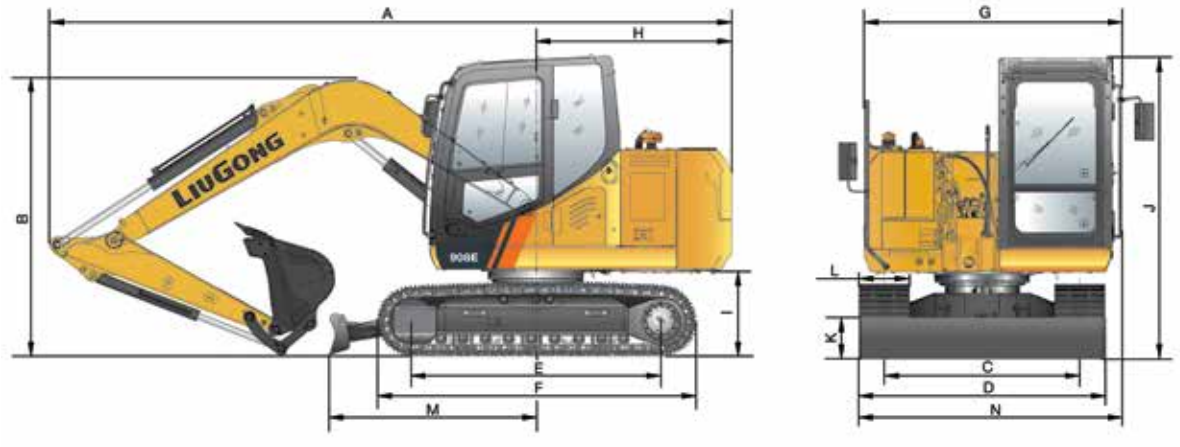
Fuel tank	140 L
Engine oil	11.6 L
Final drive (each)	1.3 L
Cooling system	12 L
Hydraulic reservoir	80 L
Hydraulic system total	110 L

SOUND PERFORMANCE

Interior Sound Power Level (ISO 6396)	70 dB(A)
Exterior Sound Power Level (ISO 6395)	99 dB(A)

DRIVE AND BRAKES

Description	
2-speed axial piston motors with oil disk brakes. Steering controlled by two hand levers with pedals.	
Max. travel speed	High: 4.8 km/h Low: 2.8 km/h
Gradeability	35°/70%
Max. drawbar pull	64 kN



DIMENSIONS		
Boom	3,710 mm	
Arm Options	2,100 mm	1,650 mm
A Shipping Length	6,100 mm	
B Shipping Height – Top of Boom	2,700 mm	
C Track Gauge	1,750 mm	
D Undercarriage Width – with 450 mm Shoes	2,200 mm	
600 mm Shoes	2,350 mm	
E Length to Center of Rollers	2,230 mm	
F Track Length	2,845 mm	
G Overall Width of Upper Structure	2,215 mm	
H Tail Swing Radius	1,785 mm	
I Counterweight Ground Clearance	760 mm	
J Overall Height of Cab	2,900 mm	
K Min. Ground Clearance	360 mm	
L Track Shoe Width	450 mm	
M Length from Swing Center to Blade	1,855 mm	
N Overall Width	2,260 mm	

BOOM DIMENSIONS	
Boom	3,710 mm
Length	3,850 mm
Height	1,370 mm
Width	324 mm
Weight	435 kg

Cylinder, piping and pin included.
Boom cylinder pin excluded.

ARM DIMENSIONS		
Arm	2,100 mm	1,650 mm
Length	2,660 mm	2,205 mm
Height	510 mm	510 mm
Width	244 mm	220 mm
Weight	210 kg	165 kg

Cylinder, linkage and pin included.

BUCKET SELECTION GUIDE

					3,710 mm boom	
Bucket type	Capacity	Cutting width	Weight	Teeth pcs	2,100 m arm	1,650 mm arm
General Purpose	0.32 m³	795 mm	263 kg	5	A	B

The recommendations are given as a guide only, based on typical operation conditions. Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

Maximum material density:
A 1,200 - 1,300 kg/m³ (2,023 - 2,191 lb/yd³): Coal, Caliche, Shale
B 1,400 - 1,600 kg/m³ (2,360 - 2,697 lb/yd³): Wet earth and clay, limestone, sandstone
C 1,700 - 1,800 kg/m³ (2,865-3,034 lb/yd³): Granite, wet sand, well blasted rock
D 1,900 kg/m³ (3,203 lb/yd³): Wet mud, Iron ore
NA. Not applicable

908E EXCAVATOR

Lifting capacity at the arm end without bucket.

For lifting capacity including bucket, weight of the bucket or the bucket with quick coupler must be deducted from the lifting capacities.

Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

Rating over - front (Cf)

Rating over - side (Cs)

1. Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
2. The rated loads are in compliance with ISO 10567 Hydraulic Excavator Lift Capacity Rating Standard. They do not exceed 87% of hydraulic lifting capacity or 75% tipping load.
3. Ratings at bucket lift hook.
4. Lifting capacities are based on machine standing on level, firm and uniform ground.
5. *Indicates the load is limited by hydraulic capacity rather than tipping capacity.
6. Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine and rules for the safe operation of equipment should be adhered to at all times.

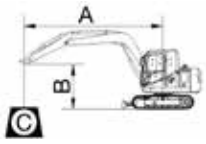
LIFTING CAPACITY (METRIC)

908E with 450 mm Shoes, 2,100 mm Arm

A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

Conditions

Boom length: 3,710 mm
Arm length: 2,100 mm
Bucket: None
Shoes: 450 mm triple grouser
Unit: kg



Blade: Up

A (Unit: m)

B (m)	2		3		4		5		MAX REACH		
											A (m)
4			1,653*	1,322	1,226	700	739	369	739	369	5.1
3			2,092	1,221	1,179	656	729	359	648	304	5.5
2			1,926	1,073	1,108	591	698	331	558	238	5.7
1			1,769	934	1,037	525	664	298	537	217	5.8
0	3,880	1,853	1,674	850	983	476	636	272	520	201	5.6
-1	3,877	1,850	1,639	819	957	452	625	262	625	262	5.3
-2	3,931	1,893	1,648	827	962	456			776	353	4.7
-3	3,608*	1,990	1,706	879					1,285	653	3.8

Blade: Down

A (Unit: m)

B (m)	2		3		4		5		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
4			1,653*	1,322	1,637*	700	1,388*	369	1,388*	369	5.1
3			2,119*	1,221	1,843*	656	1,704*	359	1,689*	304	5.5
2			2,788*	1,073	2,152*	591	1,836*	331	1,740*	238	5.7
1			3,387*	934	2,454*	525	1,977*	298	1,773*	217	5.8
0	5,783*	1,853	3,682*	850	2,643*	476	2,058*	272	1,752*	201	5.6
-1	5,445*	1,850	3,656*	819	2,650*	452	1,989*	262	1,989*	262	5.3
-2	4,780*	1,893	3,317*	827	2,393*	456			1,991*	353	4.7
-3	2,511*	1,990	3,608*	879					2,026*	653	3.8

Lifting capacity at the arm end without bucket.

For lifting capacity including bucket, weight of the bucket or the bucket with quick coupler must be deducted from the lifting capacities.

Lifting capacities are based on the machine standing on a firm, uniform supporting surface.

Rating over - front (Cf)

Rating over - side (Cs)

1. Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
2. The rated loads are in compliance with ISO 10567 Hydraulic Excavator Lift Capacity Rating Standard. They do not exceed 87% of hydraulic lifting capacity or 75% tipping load.
3. Ratings at bucket lift hook.
4. Lifting capacities are based on machine standing on level, firm and uniform ground.
5. *Indicates the load is limited by hydraulic capacity rather than tipping capacity.
6. Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine and rules for the safe operation of equipment should be adhered to at all times.

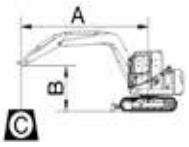
LIFTING CAPACITY (METRIC)

908E with 450 mm Shoes, 1,650 mm Arm

A: Reach from swing center
B: Bucket hook height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

Conditions

Boom length: 3,710 mm
Arm length: 1,650 mm
Bucket: None
Shoes: 450 mm triple grouser
Unit: kg



Blade: Up

A (Unit: m)

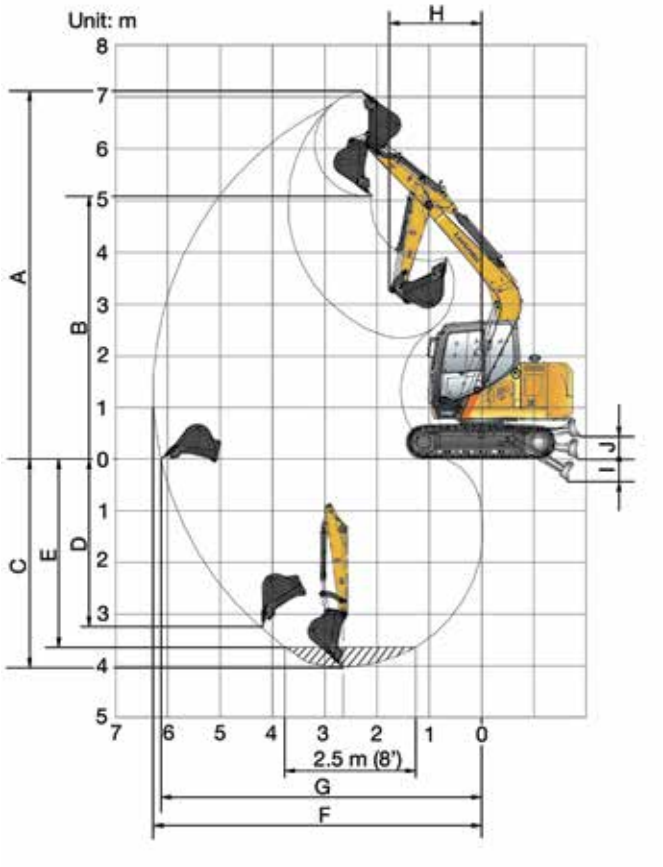
B (m)	2		3		4		5		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
5			2,190	1,570					1,660	1,070	3.7
4			2,310	1,530	1,460	930			1,170	750	4.5
3	3,810	2,850	2,280	1,420	1,400	890	970	600	970	600	5.0
2			2,110	1,270	1,350	820	940	570	880	550	5.2
1			1,980	1,150	1,270	760	920	560	870	510	5.2
0			1,910	1,100	1,240	740	910	540	870	520	5.1
-1	4,170	2,140	1,900	1,090	1,230	720			990	580	4.7
-2	4,250	2,200	1,940	1,120	1,250	750			1,250	750	4.0

Blade: Down

A (Unit: m)

B (m)	2		3		4		5		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
5			2,190	1,570					2,250	1,070	3.7
4			2,310	1,530	2,200	930			2,140	750	4.5
3	3,810	2,850	2,780	1,420	2,380	890	1,950	600	1,950	600	5.0
2			3,440	1,270	2,660	820	2,270	570	2,190	550	5.2
1			3,930	1,150	2,910	760	2,380	560	2,250	510	5.2
0			4,070	1,100	3,010	740	2,300	540	2,290	520	5.1
-1	4,630	2,140	3,900	1,090	2,920	720			2,380	580	4.7
-2	4,610	2,200	3,380	1,120	2,430	750			2,430	750	4.0

908E EXCAVATOR



WORKING RANGE	
Boom	3,710 mm
Arm Options	1,650 mm
F. Max. cutting height	7,115 mm
G. Max. dumping height	5,080 mm
C. Max. digging depth	4,030 mm
E. Max. vertical wall digging depth	3,240 mm
D. Max. digging depth (2.44 m level)	3,645 mm
A. Max. digging reach	6,270 mm
B. Max. digging reach on ground	6,125 mm
H. Min. front swing radius	1,785 mm
I. Depth below Ground	440 mm
J. Lift above Ground	425 mm
Bucket Digging Force (ISO)	56 kN
Arm Digging Force (ISO)	46 kN
Bucket Capacity	0.32 m^3

MACHINE WEIGHTS AND GROUND PRESSURE

Shoe width (mm)	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
	3,710 mm boom, 2,100 mm arm, 0.32 m^3 bucket, 625 kg counterweight			3,710 mm boom, 1,650 mm arm, 0.32 m^3 bucket, 625 kg counterweight		
450	7,550 kg	33.5 kPa	2,200 mm	7,500 kg	33.3 kPa	2,200 mm
600	7,700 kg	25.8 kPa	2,350 mm	7,700 kg	25.6 kPa	2,350 mm

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

STANDARD EQUIPMENT

ENGINE SYSTEM

- Yanmar engine TNV98, EPA Tier 3/EU Stage IIIA, turbocharged, 4 cylinder, 4 stroke, water cooled.
- Air filter with pre-cleaner
- Pre-filter with water separator
- Auto-idle speed control
- Aspiration, Natural
- Radiator, oil cooler, and Charge Air Cooling - After cooler, cooling fan drive - direct drive
- Engine overheat prevention system
- Engine oil filter

DRIVETRAIN

- Hydraulic motor, one -piece two-gear piston and reducer
- 2-speed travel system with automatic shift

SWING SYSTEM

- High-torque piston swing motor with integral spring set and automatic hydraulic release swing brake

HYDRAULIC SYSTEM

- Main pump:one variable displacement piston pump
- Pilot pump: gear
- Cylinders: boom, stick, bucket
- Swing with anti-reverse function
- Arm regeneration circuits
- Pilot oil filter
- Load holding valve
- Pilot control shut-off lever
- 2-working mode selection system: Power, Economy

DIGGING EQUIPMENT

- 3,710 mm boom
- 1,650 mm arm
- Dozer blade

OPERATOR STATION

- Pressurized and sealed cab with all-around visibility, large roof window with slide sliding sun visor, front window wiper and removable lower window
- Air conditioner, heater, defroster
- Mechanical suspension seat
- AM/FM radio with MP3 audio jack
- Glass-breaking hammer
- Cigarette lighter
- Cup holder
- Floor mat
- Storage box
- Fire extinguisher
- One key for all locks
- Rear view mirrors

INSTRUMENTATION

- Color LCD monitor with alarms, filter/fluid change, fuel rate, water temperature, work mode, fault code, working hour, etc.
- Fuel gauge
- Hydraulic oil level gauge

ELECTRICAL

- Alternator 55 A
- Dual batteries 12 V
- Working lights, 1 frame mounted, 1 boom mounted
- Starting, 12 V

UNDERCARRIAGE

- 450 mm track-shoes with track shield (each side)
- Rollers, bottom - 5 each side, top - 2 each side

GUARDS

- Cover plate under travel frame

OTHER STANDARD EQUIPMENT

- Counterweight, 625 kg
- Maintenance tool kit
- Maintenance parts package

OPTIONAL EQUIPMENT

HYDRAULIC SYSTEM

- Hydraulic attachments rotation lines
- Overloading warning
- Hose burst safety valves, prevention of boom or arm supply dropped when the lines split.
- Dual way auxiliary lines
- Quick coupler lines (low and high pressure)

OPERATOR STATION

- Operation protection guard (included cab front and top guard, bar)
- Operation protection screen (cab front, net)
- Operation protection screen (front-lower)
- Roll-Over Protective System (ROPS)
- Refuelling pump
- Mechanic heated suspension seat
- Mechanic suspension seat

ELECTRICAL

- LED working lights on cab, 4 front and 2 rear
- Rearview camera
- Travel alarm
- Rotating beacon
- 4 boom working lights
- Working lights, 2 cab mounted

UPPER STRUCTURE

- Upper frame protection (wire)
- 8 mm thickness platform bottom plate

UNDERCARRIAGE

- 600 mm track-shoes
- 450mm rubber track
- 1 piece track-guard (each side)
- Towing eye on base frame

DIGGING EQUIPMENT

- Arm: 2,100 mm
- 0.32 m^3 (SAE, heaped) bucket

ADDITIONAL OPTIONS

- Hydraulic hammer (Liugong Brand)
- Hydraulic hammer (Soosan Brand)

LiuGong

TOUGH WORLD. TOUGH EQUIPMENT.

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