LIUGONG

Cummins QSX15 7 ps) @ 1,800 rpm 5 ps) @ 1,800 rpm 7,180 mm 4.3 m³ 970E EXCAVATOR

Rated Power 373 kW (500 hp / 507 ps) @ 1,800 rpm Net Power 357 kW (479 hp / 485 ps) @ 1,800 rpm Maximum Dig Depth 7,180 mm Standard Bucket Capacity 4.3 m³ Operating Weight 70,500~70,960 kg

Engine

UGONG

TOUGH WORLD. TOUGH EQUIPMENT.

E

970E

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 970E.

970E. 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:



FIT FOR PURPOSE



UPTIME AND SUPPORT



TOTAL COST OF OWNERSHIP



With the 970E, we've met your challenge and given you everything you want - without compromise.



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

Firstly, you need to know that your machine is up to the job; breaking, digging, lifting, working hard - anytime - anywhere. Excavators have got to be tough and they've got to perform.

OUR NEW 970E HIGH PERFORMANCE FROM THE GROUND UP

TOUGHER UNDERCARRIAGE

With X-shaped frame built from high strength tensile steel, the 970E's undercarriage is designed to withstand the toughest conditions. Continuous digging, lifting and loading can put excessive stress on machines. The 970E has a long track beam and crawler system that guarantees greater stability. The structure also helps protect key components such as the travel motor from undue stress.

TOUGHER COMPONENTS

The undercarriage components are tougher too. 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.

TOUGHER UPPER STRUCTURE

The upper structure of the 970E is built around a reinforced and well-engineered H-beam, allowing the boom to be mounted exactly in the center of the machine. This central positioning helps the boom cope with more stress on the attachment group. It also means better distribution of weight and tension along the entire machine.

SAFER CAB

Our cabs are designed to protect your most important asset. Your operator. FOPS (Falling Object Protection System) safeguard your most important asset: your operator in the toughest environment. Visibility is key to protecting your operator and workers on site. The large glass surface area, spacious cab, combined with the rear-view camera, provides an extraordinary view of the 970E's surroundings.

TOUGHER BOOM AND ARM

The 970E features a tougher, reinforced heavy duty boom and arm built from high-strength tensile steel, with castings and forgings in high stress areas for heavy-duty performance and maximum uptime. We also use over-sized pins to allow the 970E, not just to work harder, but to work harder for longer. Our confidence in our machines is underlined by one of the most comprehensive warranties in the industry.

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, guick, safe and easy.

SIMPLER TO DO THE JOB RIGHT

LIUGONG @

Six selectable work modes equip even the newest operator with the skills of an expert, allowing them to perfectly match machine performance with the job, whatever that job may be.



FAST CYCLE TIMES

High hydraulic flow and swing speeds combine to ensure fast cycle times on tasks such as truck loading, digging, trenching and backfilling.





JOBSITE FACT: ANYTIME



6000 hours registered and still working hard.

Tapegyseg Co. Hungary "We use our LiuGong excavator for breaking down large stone and concrete sections. In two years we have not had a problem and our machines are working 10-11 hours a day, six days a week."

JOBSITE FACT: ANYWHERE!



Temperatures drop but the work rate stays high.

LiuGong Excavators played a key part in supporting China's Polar Exploration team. Extreme temperatures, high altitudes, strong winds and intense ultraviolet light made the Antarctic an extremely tough test environment.

TOUGH JUDGES

-49°C

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.



TOUGH EQUIPMENT 50,000 Excavators currently in the field. Over 1/2 BILLION productive hours worked.

POWER TO GET THE TOUGHEST 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 970E is powered by the latest Cummins QSX15 engine with a rated net power of 357 kW (479 hp / 485 ps) @ 1,800 rpm in compliance with EU Stage IIIA emission standards.

The QSX15 delivers unmatched and dependable power in its class yet it produces virtually zero emissions.

The engine utilizes a precise fuel injection system, turbo charger and air-to-air intercooler along with electronic engine controls to optimize machine performance. It's powerful. It's responsive. It tackles the toughest jobs without being thirsty for fuel, but above all, it's a joy to operate.



INTELLIGENT POWER CONTROL

The 970E's advanced Intelligent Power Control (IPC) system intelligently delivers the power you need - when you need it.

This new generation computer-aided IPC system allows the 970E's mechanical, electrical and hydraulic systems to work together in perfect harmony and helps even novice operators get more from the machine. An improved pump system delivers efficient oil output under lower engine speeds, resulting in fuel efficiency and reduced noise levels.

ADVANCED HYDRAULIC SYSTEM

LiuGong's advanced hydraulic system, regenerates oil in the cylinders more efficiently reducing heat, increasing fuel efficiency and improving cycle times.

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.



SMART FUEL ECONOMY

The intelligent combination of powerful digging force, swing torque and lifting performance make the most of every drop of fuel. The 970E 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.



3 seconds: If no activity is detected over three seconds the engine speed will decrease to idle. n each case, as soon as the system detects the hydraulic signal once more, the engine will immediately return to the previous speed setting.

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 jobsites where time is precious. Not with the 970E.

PRACTICAL SERVICING

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.

Handrails are fitted as standard, enabling safe and easy access to the upper structure for easy engine service and maintenance.

ON BOARD MONITORING

can check the machine's vital signs





With onboard monitoring, the operator 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 SERVICE POINTS MAKE DAILY CHECKS FAST AND EFFECTIVE

- Easily visible hydraulic oil level gauge
- Accessible, grouped filters
- Easy to replace A/C filter next to the cab door
- Maintenance free air filter

DESIGNED TO MAKE TOUGH WORK EASY ON THE OPERATOR

Climb into the cab of the 970E and you can see that it has been designed by someone who has operated a machine in really tough conditions.

For a start, it's safe and easy to get in and out of.

Trips and slips account for the majority of accidents onsite. Well-placed door handles, safety rails and anti-slip tape on the upper part of the machine make it easier and safer for operators to enter and exit the cab in all weathers and conditions.

Inside, the cab is secure and protected with space to work and excellent 360 degree views of the site.

The controls are where the operator needs 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.

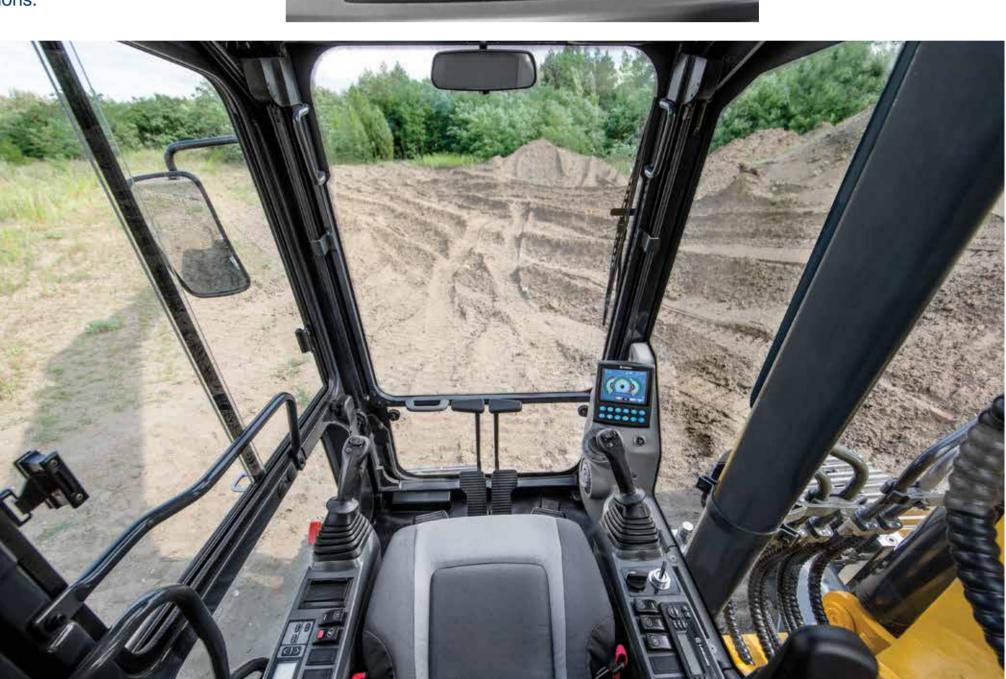
The cab is sound proofed, vibration protected and well ventilated. It has advanced climate control to handle the changing seasons and is completely sealed to prevent dust contamination.



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 970E 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.







ADVANCED CLIMATE CONTROL

An advanced climate control system creates the right environment in any weather.

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.



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 300 dealers in more than 100 countries.

All supported by 13 regional subsidiaries and 12 global parts centers offering expert training, parts and service support.





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.





LIUGONG SERVICE PROMISE





Highly trained technicians g the latest diagnost eauipm

15.000+ Genuine LiuGong ilable within 24hr parts ava from our European Parts **Distribution Center**

Multi-lingual Service helpline and online support



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 vou choose vou can be confident that it is backed up by LiuGong's service promise.

Above all. we get it right the first time.





Transparent estimates and invoicing



ications 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.

When it comes to total cost of ownership LiuGong has a strong story to tell.

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 Cummins 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 970E 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 970E represents the formula for success.







FIT FOR PURPOSE + UPTIME AND SUPPORT + TOTAL COST OF OWNERSHIP

CUSTOMER SATISFACTION



SPECIFICATIONS

Operating weight include		Description	
ull fuel tank, cab, standa bucket and operator 75 l BUCKET CAPACITY	ard shoes, boom, arm,	Planetary gear red torque axial piston brake. Swing parki seconds after swin	mo ng
ENGINE		neutral. Swing speed	
Description		Swing speed	
Cummins EPA Tier 3/ E 6-cylinder, turbocharge controlled direct injecti Air cleaner: Cummins d Cooling system: Charge	er, electronically on. lirect flow air filter.	HYDRAULIC SYSTEM Main pump	
Emission rating	EPA Tier 3 / EU Stage IIIA	Туре	
Engine manufacturer	Cummins	Maximum flow	
Engine model	QSX15	Pilot pump	
Aspiration	Wastegate Turbo (WGT)	Туре	
Charged air cooling	Aftercooler	Maximum flow	
Cooling fan drive	Hydraulic & Direct	Relief valve settin	ıg
Displacement	15 L	Implement	
Rated speed	1,800 rpm	Travel circuit	
Engine output - net (SAE J1349 / ISO 9249)	357 kW (479 hp / 485 ps)	Slew circuit	
Engine output - rated	373 kW (500 hp /	Pilot circuit	
(SAE J1995 / ISO 14396) Maximum torque	507 ps) 2,363 N·m @1,400 rpm	Hydraulic cylinder Boom Cylinder – Bore × Stroke	'S
Bore × Stroke	137 × 169 mm	Arm Cylinder – Bore × Stroke	

UNDERCARRIAGE	
Track shoe each side	48
Link pitch	260.4 mm
Shoe width, double grouser	650 mm
Bottom rollers each side	8
Top rollers each side	3



ction driven by high
notor, with oil disk
g brake resets within five
pilot controls return to

6.8 rpm

240,000 N·m

Two variable
displacement piston
oumps

 2×450 L/min

Gear pump

30 L/min

32 MPa

26.5 MPa

3.9 MPa

Bucket Cylinder – Bore × Stroke \oplus 190 × 1,745 mm

Φ215 × 1,935 mm

Φ200 × 1,465 mm

System Voltage	24 V
Batteries	2 x 12 V
Alternator	24 V - 100 A
Start motor	24 V - 9 kW

SERVICE CAPACITIES	
Fuel tank	900 L
Engine oil	46 L
Final drive (each)	20 L
Swing drive	2 × 14 L
Cooling system	72 L
Hydraulic reservoir	360 L
Hydraulic system total	680 L

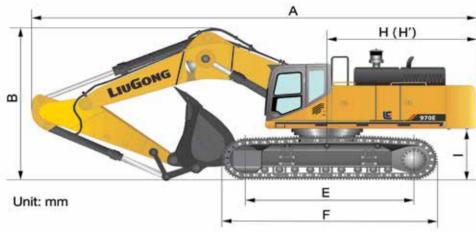
SOUND PERFORMANCE	
Interior Sound Power Level (ISO 6396)	71 dB(A)
Exterior Sound Power Level (ISO 6395)	109 dB(A)

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: 4.4 km/h Low: 2.7 km/h
Gradeability	35°/70%
Max. drawbar pull	460 kN



MENSIONS	
bom	6,600 mm
m Options	2,900 mm
Shipping Length	12,230 mm
Shipping Height – Top of Boom	4,710 mm
Track Gauge	*3,350 mm/ 2,720 mm
Undercarriage Width – 650 mm shoes	*4,000 mm/ 3,370 mm
Length to Center of Rollers	4,750 mm
Track Length	5,990 mm
Overall Width of Upper Structure	**4,260 mm/ 3,390 mm
Tail Swing Radius	4,090 mm
Counterweight Ground Clearance	1,495 mm
Overall Height of Cab	3,490 mm
Min. Ground Clearance	867 mm
ack Shoe Width	650 mm



BOOM DIMENSIONS	
Description	Standard
Boom	6,600 mm
Length	6,880 mm
Height	2,230 mm
Width	1,080 mm
Weight	6,100 kg

ARM DIMENSIONS	
Description	Standard
Arm	2,900 mm
Length	4,300 mm
Height	2,230 mm
Width	830 mm with hinge pin
Weight	3,400 kg

Cylinder, linkage and pin included.

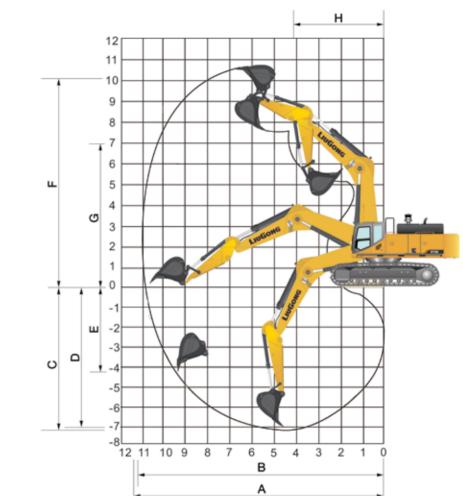
BUCKET SELECTION GUIDE										
			Tooth poo	6.6 m HD Boom						
Capacity	Cutting width	Weight	reetripes	2.9 m Arm						
4.0 m ³	1,980	4,415	5	D						
4.3 m ³	1,960	4,130	5	D						
	Capacity 4.0 m ³	Capacity Cutting width 4.0 m ³ 1,980	CapacityCutting widthWeight4.0 m³1,9804,415	CapacityCutting widthWeightTeeth pcs4.0 m³1,9804,4155						

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: Coal, Caliche, Shale B. 1,400-1,600 kg/m³: Wet earth and clay, limestone, sandstone C. 1,700-1,800 kg/m³: Granite, wet sand, well blasted rock D. 1,900 kg/m³: Wet mud, Iron ore NA. Not applicable

16

MACHINE WEIGHTS AND GROUND PRESSURE Operating weight Ground pre 6.6 m boom/2.9 m arm/4.3 m³ bucket/11,300 70,500 kg 101 kP



Boom Length	6,600 mm					
Arm Length	2,900 mm					
A. Max. Digging Reach	11,450 mm					
B. Max. Digging Reach on Ground	11,170 mm					
C. Max. Digging Depth	7,180 mm					
D. Max. Digging Depth, 2.44 m (8') level	7,030 mm					
E. Max. Vertical Wall Digging Depth	4,070 mm					
F. Max. Cutting Height	10,950 mm					
G. Max. Dumping Height		7,030 mm				
H. Min. Front Swing Radius		4,900 mm				
Bucket Digging Force (ISO)	Normal	345 kN				
	Power Boost	376 kN				
	Normal	298 kN				
Arm Digging Force (ISO)	Power Boost	327 kN				
Bucket Capacity		4.3 m ³				



ressure	Overall width
00 kg counterweight/650	mm shoe width
Pa	4,620 mm

LIFTING CAPACITY (METRIC)

650 mm Shoes, 6,600 mm Boom, 2,900 mm Arm

A: Load radius

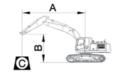
B: Load point height Lifting capacity rating

Cf: Rating loads over front Cs: Rating loads over side

Arm length: 2,900 mm Bucket: None Counterweight: 11.300 kg Shoes: 650 mm triple grouser Unit: kg

Boom length: 6.600 mm

Conditions



A (Unit: m)															
	3 4		4	5			6		7	8		MAX REACH			
B (m)	IJ	Ci la	Ð	¢77	IJ	CH-1	Ð	(Fi	IJ	CF-1	Ð	CH-1	ŀ	¢7	A (m)
7									*17,970	*17,970	*17,400	*17,400	*17,390	17,140	8.09
6							*20,200	*20,200	*18,600	*18,600	*17,530	17,330	*17,180	15,510	8.58
5					*25,180	*25,180	*21,750	*21,750	*19,500	*19,500		17,100	*17,090	14,420	8.94
4					*28,050	*28,050	*23,460	*23,460	*20,580	20,430	*18,600	16,800	19,080	13,750	9.16
3					*30,550	*30,550	*25,060	24,920	*21,600	19,950	*19,230	16,500	18,580	13,360	9.27
2					*32,120	31,830	*26,260	24,300	*22,420	19,520	*19,730	16,210	18,400	13,210	9.28
1					*32,630	31,300	*26,890	23,860	*22,890	19,200	22,650	15,980	18,610	13,320	9.17
GROUND LEVEL					*32,230	31,050	*26,880	23,580	*22,910	18,980	22,500	15,830	19,190	13,690	8.95
-1			*36,960	*36,960	*31,060	31,000	*26,200	23,500	*22,380	18,900	*19,230	15,800	*17,380	14,400	8.60
-2	*39,200	*39,200	*34,200	*34,200	*29,120	*29,120	*24,770	23,530	*21,120	18,920	*17,700	15,880	*17,290	15,630	8.11
-3	*34,750	*34,750	*30,460	*30,460	*26,220	*26,220	*22,370	*22,370	*18,750	*18,750			*16,890	17,620	7.46
-4	*28,300	*28,300	*25,300	*25,300	*21,950	*21,950	*18,400	*18,400					*15,920	*15,920	6.59

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.

44 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.
- 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 around.

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.

STANDARD EQUIPMENT

Pilot oil filter

DIGGING EQUIPMENT

OPERATOR STATION

• 6 600 mm boom

• 2,900 mm arm

window

• AM/FM radio

Cigarette lighter

Cup holder

 Storage box Fire extinguisher • One key for all locks

Fuel gauge

INSTRUMENTATION

Hydraulic oil level gauge

• Floor mat

Glass-breaking hammer

ENGINE SYSTEM

- Cummins engine QSX15. EPA Tier 3/EU Stage IIIA, turbocharged, 6 cylinder, 4 stroke, water cooled.
- Air filter with pre-cleaner
- Pre-filter with water separator
- Auto-idle speed control
- Aspiration, Wastegate Turbo (WGT)
- IPC (Intelligent Power Control) System • Radiator, oil cooler, and charge air cooling;
- Hydraulic and direct drive cooling fan
- 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: two variable displacement piston pumps, ready for PTO
- Pilot pump: gear
- Cylinders: boom. arm. bucket Power boost function
- · Swing with anti-reverse function
- · Boom and arm regeneration circuits
- **OPTIONAL EQUIPMENT**

ENGINE SYSTEM

• Electrical fuel refilling pump

HYDRAULIC SYSTEM

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

Rain visor

- Rear view camera
- Travel alarm

OPERATOR STATION

and top guard, bar)

Rotating beacon



 Pilot control shut-off lever 6-working mode selection system: Power, Economy, Fine, Lifting, Breaker, Attachment

• 4.3 m³ (SAE, heaped) bucket

- Pressurized and sealed cab with all-around visibility, large roof window with slide sliding sun visor front window wiper and removable lower
- Air conditioner, heater, defroster Mechanical suspension seat

ELECTRICAL

- Alternator 100 A Dual batteries 2 x 12 V
- Working lights, 1 frame mounted, 2 boom mounted
- Starting, 24 V

UNDERCARRIAGE

- 650 mm track-shoes with double grousers
- Rollers, bottom 8 each side, top 3 each side
- 2 piece under-guards (each side)
- Towing eve on base frame

GUARDS

- Belly guards
- Cover plate under travel frame

OTHER STANDARD EQUIPMENT

- Counterweight, 11,300 kg
- Maintenance tool kit
- Maintenance parts package

· Color LCD monitor with alarms, filter/fluid change, fuel rate, water temperature, work mode, fault code, working hour, etc

• LED working lights on cab, 4 front and 2 rear

UPPER STRUCTURE

- Belly guard and 8 mm thickness platform

UNDERCARRIAGE

• Full track-guards (each side)

DIGGING EQUIPMENT

- 4.0 m³ (SAE, heaped) bucket
- Hydraulic guick couplers



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