

SPECIFICATIONS

Operating weight	16,300 kg (35,935 lb)
Operating weight includes coolant, lubricants, full fuel tank, cab, standard shoes, boom, arm, bucket and operator 75 kg (165 lb).	
Bucket capacity	0.6 m³ (0.78 yd³)

ENGINE

Description

Cummins EPA Tier 4 final / EU Stage IV, 4-cylinder straight Variable-Geometry Turbocharger (VGT), high pressure common rail, electronically controlled direct injection. Air cleaner: Cummins direct flow air filter. Cooling system: Air-to-air intercooler

Emission rating	EPA Tier 4 Final / EU Stage IV
Engine manufacturer	Cummins
Engine model	QSB 4.5
Aspiration	Variable-Geometry Turbocharger (VGT)
Charged air cooling	Aftercooler
Cooling fan drive	Viscous clutch
Displacement	4.5 L (1.19 gal) 4,500 cm ³ (275 in ³)
Rated speed	2,200 rpm
Engine output - net (SAE J1349 / ISO 9249)	84.3 kW (113 hp)
Engine output - gross (SAE J1995 / ISO 14396)	90 kW (121 hp)
Maximum torque	470 N·m (347 lbf·ft) @1,500 rpm
Bore × Stroke	107 × 124 mm (4.2" × 4.9")

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: 6.0 km/h (3.7 mph) Low: 3.5 km/h (2.2 mph)
Gradeability	35%/70%
Max. drawbar pull	124 kN (27,876 lbf)

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	12.94 rpm
Swing torque	36,793 N·m (27,137 lbf·ft)

HYDRAULIC SYSTEM

Main pump

Type	Two variable displacement piston pumps
Maximum flow	2 × 120 L/min (2 × 31.7 gal/min)

Pilot pump

Type	Gear pump
Maximum flow	19 L/min (5 gal/min)

Relief valve setting

Implement	34.3/37.3 MPa (4,975 / 5,410 psi)
Travel circuit	34.3 MPa (4,975 psi)
Slew circuit	25.5 MPa (3,698 psi)
Pilot circuit	3.9 MPa (566 psi)

Hydraulic cylinders

Boom Cylinder – Bore × Stroke	Φ105 × 990 mm (Φ4.1" × 3' 3")
Stick Cylinder – Bore × Stroke	Φ115 × 1,175 mm (Φ4.5" × 3' 10")
Bucket Cylinder – Bore × Stroke	Φ95 × 885 mm (Φ3.7" × 2' 11")

UNDERCARRIAGE

Track shoe each side	46
Link pitch	190 mm (7.5")
Shoe width, triple grouser	600 / 700 mm (24"/28")
Bottom rollers each side	7
Top rollers each side	1

ELECTRIC SYSTEM

System Voltage	24 V
Batteries	2 × 12 V
Alternator	24 V - 70 A
Start motor	24 V - 4.8 kW (24 V - 6.4 hp)

SERVICE CAPACITIES

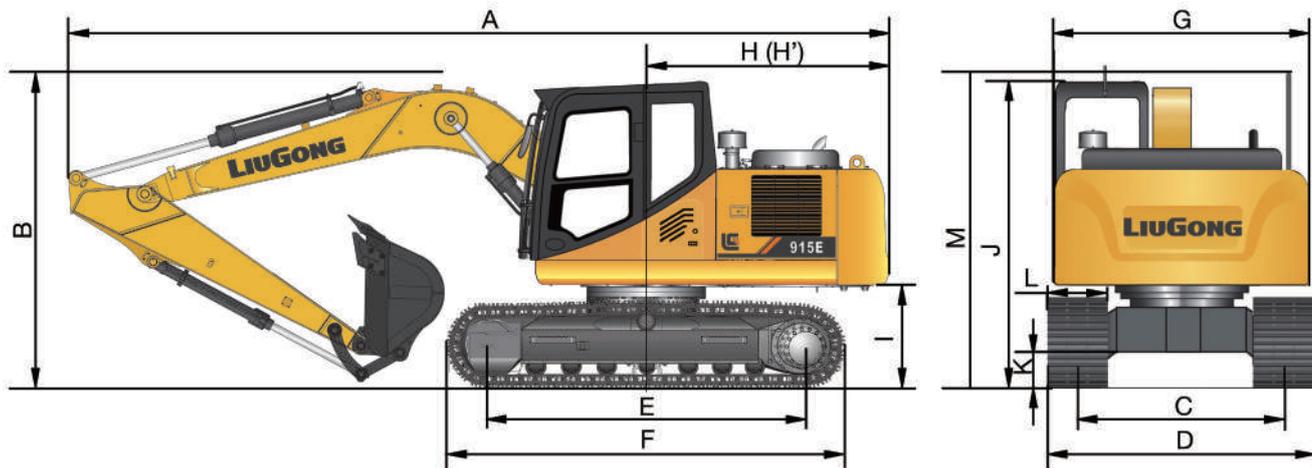
Fuel tank	245 L (64.7 gal)
Engine oil	11 L (2.9 gal)
Final drive (each)	2.5 L (0.7 gal)
Swing drive	3 L (0.8 gal)
Cooling system	21 L (5.5 gal)
Hydraulic reservoir	160 L (42.3 gal)
Hydraulic system total	240 L (63.4 gal)
DEF tank	16.9 L (4.5 gal)

SOUND PERFORMANCE

Interior Sound Power Level (ISO 6396)	70 dB(A)
Exterior Sound Power Level (ISO 6395)	100 dB(A)

MACHINE WEIGHTS AND GROUND PRESSURE

Operating weight	16,300 kg (35,935 lb)
Shoe width	600 mm (24")
Boom	4.6 m (15'1")
Arm	2.5 m (8'2")
Bucket	0.6 m ³ (0.78 yd ³)
Counterweight	2,300 kg (5,071 lb)
Ground pressure	34 kPa (4.9 psi)



DIMENSIONS

Boom	4,600 mm (15' 1")	
Arm Options	2,500 mm (8' 2")	2,900 mm (9' 6")
A Shipping Length	7,750 mm (25' 5")	
B Shipping Height – Top of Boom	3,055 mm (10')	
C Track Gauge	1,990 mm (6' 6")	
D Undercarriage Width – with 600 mm Shoes	2,590 mm (8' 6")	
E Length to Center of Rollers	3,010 mm (9' 11")	
F Track Length	3,746 mm (12' 3")	
G Overall Width of Upper Structure	2,490 mm (8' 2")	
H Tail Swing Radius	2,305 mm (7' 7")	
I Counterweight Ground Clearance	960 mm (3' 2")	
J Overall Height of Cab	3,055 mm (10')	
K Min. Ground Clearance	430 mm (1' 5")	
L Track Shoe Width	600 mm (24")	

BOOM DIMENSIONS

Boom	4,600 mm (15' 1")
Length	4,760 mm (15' 7")
Height	1,667 mm (5' 6")
Width	565 mm (with boom hinge pin 675 mm) / 1' 10" (with boom hinge pin 2' 3")
Weight	842 kg (1,857 lb)

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

ARM DIMENSIONS

Arm	2,500 mm (8' 2")	2,900 mm (9' 6")
Length	3,260 mm (10' 8")	3,659 mm (12')
Height	645 mm (2' 1")	704 mm (2' 4")
Width	370 mm (1' 3") (with hinge pin)	370 mm (1' 3") (with hinge pin)
Weight	555 kg (1,224 lb)	605 kg (1,334 lb)

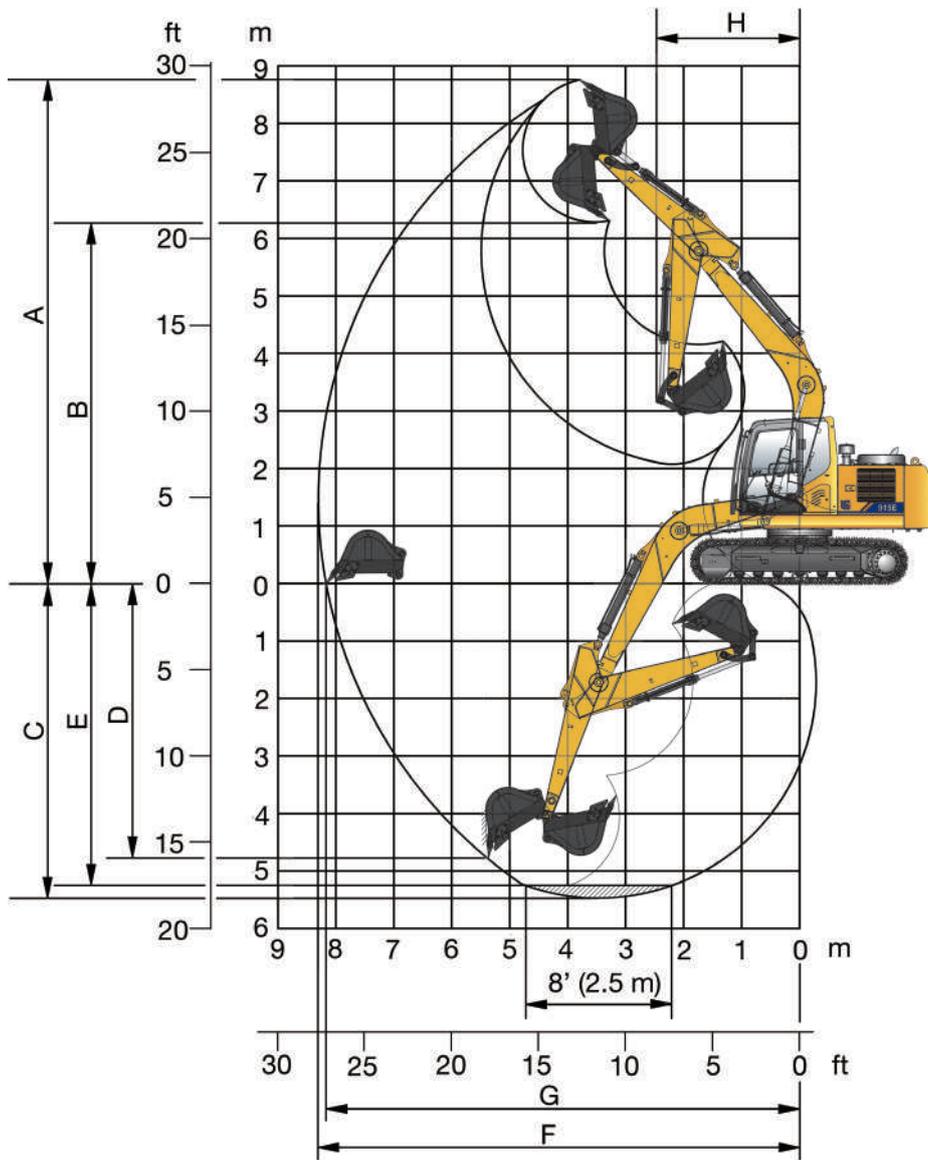
Cylinder, linkage and pin included.

BUCKET SELECTION GUIDE

Bucket type	Capacity	Cutting width	Weight	Teeth pcs	4.6 m (15' 1") HD Boom	
					2.5 m (8' 2") Arm	2.9 m (9' 6") Arm
General purpose	0.6 m ³ (0.78 yd ³)	1,030 mm (3' 5")	576 kg (1,270 lb)	4	NA	B
General purpose	0.36 m ³ (0.47 yd ³)	748 mm (2' 5")	390 kg (860 lb)	5	B	NA

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.

- 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



WORKING RANGE

Boom	4,600 mm (15'1")	
Arm Options	2,500 mm (8' 2")	2,900 mm (9' 6")
A. Max. cutting height	8,760 mm (28' 9")	8,830 mm (29')
B. Max. dumping height	6,310 mm (20' 8")	6,400 mm (21')
C. Max. digging depth	5,470 mm (17' 11")	5,870 mm (19' 3")
D. Max. vertical wall digging depth	4,770 mm (15' 8")	5,280 mm (17' 4")
E. Max. digging depth, 2.44 m (8') level	5,250 mm (17' 3")	5,670 mm (18' 7")
F. Max. digging reach	8,300 mm (27' 3")	8,600 mm (28' 3")
G. Max. digging reach on ground	8,170 mm (26' 10")	8,490 mm (27' 10")
H. Min. front swing radius	2,305 mm (7' 7")	2,305 mm (7' 7")
Bucket Digging Force (ISO)	Normal	89.8 kN (20,188 lbf)
	Power Boost	96.9 kN (21,784 lbf)
Stick Digging Force (ISO)	Normal	64.9 kN (14,590 lbf)
	Power Boost	70 kN (15,737 lbf)
Bucket Capacity	0.6 m ³ (0.78 yd ³)	0.36 m ³ (0.47 yd ³)
Bucket Tip Radius	1,254 mm (4' 1")	1,254 mm (4' 1")

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)

- 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.
- Ratings at bucket lift hook.

- Lifting capacities are based on machine standing on level, firm and uniform ground.
- *Indicates the load is limited by hydraulic capacity rather than tipping capacity.
- 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.

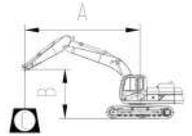
LIFTING CAPACITY (METRIC)

915E with 600 mm shoes, 2,500 mm arm (Standard)

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

Conditions

Boom length: 4,600 mm one-piece boom
 Arm length: 2,500 mm
 Bucket: None
 Shoes: 600 mm triple grouser
 Unit: kg



Blade: Down

A (Unit: m)

B (m)	1.5		3		4.5		6		MAX REACH		A (m)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
6					3,610*	3,610*			2,210*	2,210*	5.4
4.5					3,800*	3,800*	3,430*	2,560	1,940*	1,940*	6.4
3			6,150*	6,150*	4,530*	3,800	3,880*	2,500	3,440*	2,170	6.6
1.5			8,520*	6,340	5,420*	3,570	4,230*	2,410	3,950*	2,110	6.6
0			7,340*	6,050	5,980*	3,400	4,470*	2,330	4,060*	2,060	6.6
-1.5	5,270*	5,270*	8,830*	6,030	5,960*	3,340	4,320*	2,310	2,770*	2,140	6.4
-3	9,270*	9,270*	7,430*	6,150	5,120*	3,400			3,920*	2,700	5.4

Blade: Up

A (Unit: m)

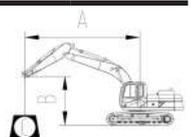
B (m)	1.5		3		4.5		6		MAX REACH		A (m)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
6					3,610*	3,610*			2,210*	2,210*	5.4
4.5					3,800*	3,800*	3,430*	2,560	1,940*	1,940*	6.4
3			6,150*	6,150*	4,530*	3,800	3,810	2,500	3,300	2,170	6.6
1.5			8,520*	6,340	5,420*	3,570	3,710	2,410	3,230	2,110	6.6
0			7,340*	6,050	5,500	3,400	3,630	2,330	3,180	2,060	6.6
-1.5	5,270*	5,270*	8,830*	6,030	5,430	3,340	3,600	2,310	2,770*	2,140	6.4
-3	9,270*	9,270*	7,430*	6,150	5,120*	3,400			3,920*	2,700	5.4

915E with 600 mm shoes, 2,900 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: 4,600 mm one-piece boom
 Arm length: 2,900 mm
 Bucket: None
 Shoes: 600 mm triple grouser
 Unit: kg



Blade: Down

A (Unit: m)

B (m)	1.5		3		4.5		6		MAX REACH		A (m)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
6									1,780*	1,780*	5.9
4.5					3,410*	3,410*	3,350*	2,570	1,710*	1,710*	6.8
3			5,380*	5,380*	4,170*	3,840	3,630*	2,500	1,650*	1,650*	7.3
1.5			7,930*	6,480	5,130*	3,590	4,040*	2,400	2,050*	1,770	7.4
0			7,880*	6,070	5,830*	3,390	4,360*	2,300	1,930*	1,770	7.3
-1.5	4,780*	4,780*	9,050*	5,980	5,980*	3,310	4,380*	2,260	2,380*	1,940	6.8
-3	7,980*	7,980*	7,940*	6,060	5,410*	3,330			3,150*	2,360	5.9

Blade: Up

A (Unit: m)

B (m)	1.5		3		4.5		6		MAX REACH		A (m)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
6									1,780*	1,780*	5.9
4.5					3,410*	3,410*	3,350*	2,570	1,710*	1,710*	6.8
3			5,380*	5,380*	4,170*	3,840	3,630*	2,500	1,650*	1,650*	7.3
1.5			7,930*	6,480	5,130*	3,590	3,700	2,400	2,050*	1,770	7.4
0			7,880*	6,070	5,500	3,390	3,600	2,300	1,930*	1,770	7.3
-1.5	4,780*	4,780*	9,050*	5,980	5,400	3,310	3,560	2,260	2,380*	1,940	6.8
-3	7,980*	7,980*	7,940*	6,060	5,410*	3,330			3,150*	2,360	5.9

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 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.

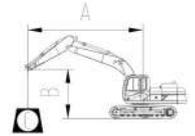
LIFTING CAPACITY (IMPERIAL)

915E with 24" shoes, 8' 2" arm (Standard)

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

Conditions

Boom length: 15' 1" one-piece boom
 Arm length: 8' 2"
 Bucket: None
 Shoes: 24" triple grouser
 Unit: lb



Blade: Down

A (Unit ft)

B (ft)	5		10		15		20		MAX REACH		A (ft)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
20					8,026*	8,026*			6,080*	6,080*	17.0
15					8,311*	8,311*	6,779*	5,507	6,779*	5,507	20.0
10			13,203*	13,203*	9,830*	8,212	8,472*	5,394	6,593*	4,669	22.0
5			18,350*	13,666	11,735*	7,702	9,208*	5,196	5,588*	4,272	23.0
0			17,039*	13,000	12,969*	7,341	9,700*	5,035	8,452*	4,451	22.0
- 5	11,829*	11,829*	19,160*	12,951	12,912*	7,217	9,314*	4,997	5,729*	4,722	21.0
- 10	20,945*	20,945*	16,029*	13,218	10,981*	7,343			9,230*	6,267	17.0

Blade: Up

A (Unit ft)

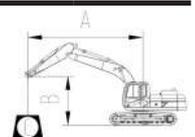
B (ft)	5		10		15		20		MAX REACH		A (ft)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
20					8,026*	8,026*			6,080*	6,080*	17.0
15					8,311*	8,311*	6,779*	5,507	6,779*	5,507	20.0
10			13,203*	13,203*	9,830*	8,212	8,214	5,394	6,593*	4,669	22.0
5			18,350*	13,666	11,735*	7,702	7,998	5,196	5,588*	4,272	23.0
0			17,039*	13,000	11,829	7,341	7,821	5,035	6,862	4,451	22.0
- 5	11,829*	11,829*	19,160*	12,951	11,688	7,217	7,779	4,997	5,729*	4,722	21.0
- 10	20,945*	20,945*	16,029*	13,218	10,981*	7,343			9,230*	6267	17.0

915E with 24" shoes, 9' 6" arm

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

Conditions

Boom length: 15' 1" one-piece boom
 Arm length: 9' 6"
 Bucket: None
 Shoes: 24" triple grouser
 Unit: lb



Blade: Down

A (Unit ft)

B (ft)	5		10		15		20		MAX REACH		A (ft)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
20									4,195*	4,195*	19.0
15					7,469*	7,469*	7,140*	5,540	4,301*	4,301*	22.0
10			11,565*	11,565*	9,052*	8,278	7,938*	5,394	5,950*	4,349	23.0
5			17,067*	13,950	11,115*	7,744	8,802*	5,171	5,341*	3,979	24.0
0			18,309*	13,053	12,641*	7,325	9,481*	4,980	3,968*	3,904	24.0
- 5	10,720*	10,720*	19,609*	12,861	12,960*	7,142	9,464*	4,896	6,545*	4,349	22.0
- 10	18,015*	18,015*	17,138*	13,035	11,638*	7,195			8,412*	5,321	19.0

Blade: Up

A (Unit ft)

B (ft)	5		10		15		20		MAX REACH		A (ft)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
20									4,195*	4,195*	19.0
15					7,469*	7,469*	7,140*	5,540	4,301*	4,301*	22.0
10			11,565*	11,565*	9,052*	8,278	7,938*	5,394	5,950*	4,349	23.0
5			17,067*	13,950	11,115*	7,744	7,980	5,171	5,341*	3,979	24.0
0			18,309*	13,053	11,825	7,325	7,768	4,980	3,968*	3,904	24.0
- 5	10,720*	10,720*	19,609*	12,861	11,615	7,142	7,676	4,896	6,545*	4,349	22.0
- 10	18,015*	18,015*	17,138*	13,035	11,638*	7,195			8,342	5,321	19.0

STANDARD EQUIPMENT

ENGINE SYSTEM

- Cummins diesel engine, turbocharged, inline 4-cylinder, 4 stroke, water cooled
- Auto-idle speed control
- Air filter with pre-cleaner
- Engine oil filter
- Pre-filter with water separator
- Radiator, oil cooler and intercooler
- IPC (Intelligent Power Control) System
- Engine overheating prevention system

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, stick, bucket
- Power boost function
- Boom and arm regeneration circuits
- Pilot oil filter
- Load holding valve
- Pilot control shut-off lever

- Hose burst safety valves, prevention of boom or arm supply dropped when the lines split (2 mounted on boom cylinders, 1 on arm cylinder)
- 6-working mode selection system: Power, Economy, Fine, Lifting, Breaker, Attachment

DIGGING EQUIPMENT

- 4,600 mm (15' 1") boom
- 2,500 mm (8' 2") arm
- 0.6 m³ (0.78 yd³) bucket (SAE, heaped)

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
- Roll-Over Protective System (ROPS)
- Skylight rooftop
- Air conditioner, heater, defroster
- Swing parking brake
- AM/FM radio with MP3 audio jack
- Glass-breaking hammer
- Ashtray, cigarette lighter
- Cup holder
- Floor mat
- Storage box
- Front glass lower guard
- Fire extinguisher
- Rear view mirrors
- One key for all locks

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

UNDERCARRIAGE

- 600 mm (24") track-shoes with triple grousers
- 1 piece track - guard (each side)
- Towing eye on base frame

GUARDS

- Belly guards
- Cover plate under travel frame
- Track shields

OTHER STANDARD EQUIPMENT

- 2,300 kg (5,071 lb) counterweight
- Maintenance tool kit
- Maintenance parts package

OPTIONAL EQUIPMENT

ENGINE SYSTEM

- Electrical fuel refilling pump

HYDRAULIC SYSTEM

- Control pattern change valve
- Hydraulic lines:
 - Breaker & shear
 - Slope & rotator
 - Grapple
 - Oil drain line
 - Quick coupler
- Hydraulic quick coupler
- Overloading valve
- Cushion valve

OPERATOR STATION

- Power outlet 24 V to 12 V converter
- 4 LED cab top lights
- Working lights on cab (2 on top-front cab)
- Rear view camera 5.7" monitor
- Air suspension seat
- Control joysticks with 2 switch & 1 proportional
- Safety net for front window
- Rain visor
- Travel alarm
- Rotating beacon
- Operation protection guard (included cab front and top guard, bar)
- Operation protection screen (on cab front, net)
- Operation protection screen (front-lower)

UPPER STRUCTURE

- Upper frame protection (wire)
- Belly guard and 8 mm thickness platform bottom plate
- Bucket cylinder guard

UNDERCARRIAGE

- 700 mm (28") track-shoes with triple grousers

DIGGING EQUIPMENT

- Arm: 2,900 mm (9' 6")
- 0.36 m³ (0.47 yd³) bucket (SAE, heaped)



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