

SPECIFICATIONS

| | |
|--|--|
| Operating weight | 22,800 kg (50,265 lb) |
| Operating weight includes coolant, lubricants, full fuel tank, cab, standard shoes, boom, arm, bucket and operator 75 kg (165 lb). | |
| Bucket capacity | 0.9-1.2 m³ (1.18 -1.57 yd³) |

| ENGINE | |
|--|---|
| Description | |
| Cummins EPA Tier 4 final / EU Stage IV, 6-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 6.7 |
| Aspiration | Variable-Geometry Turbocharger (VGT) |
| Charged air cooling | Aftercooler |
| Cooling fan drive | Viscous clutch |
| Displacement | 6.7 L (1.8 gal) 6,700 cm ³ (409 in ³) |
| Rated speed | 2,100 rpm |
| Engine output - net (SAE J1349 / ISO 9249) | 119 kW (160 hp) |
| Engine output - gross (SAE J1995 / ISO 14396) | 129 kW (173 hp) |
| Maximum torque | 800 N·m (590 lbf·ft) @1,500 rpm |
| Bore × Stroke | 107 × 124 mm (4.2" × 4.9") |

| UNDERCARRIAGE | |
|----------------------------|---|
| Track shoe each side | 49 |
| Link pitch | 190 mm (7.5") |
| Shoe width, triple grouser | 600/700/800/900 mm (24"/28"/32"/35") |
| Bottom rollers each side | 9 |
| 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 | 11.4 rpm |
| Swing torque | 78,200 N·m (57,677 lbf·ft) |

| HYDRAULIC SYSTEM | |
|----------------------|--|
| Main pump | |
| Type | Two variable displacement piston pumps |
| Maximum flow | 2 × 224 L/min (2 × 79.3 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) |

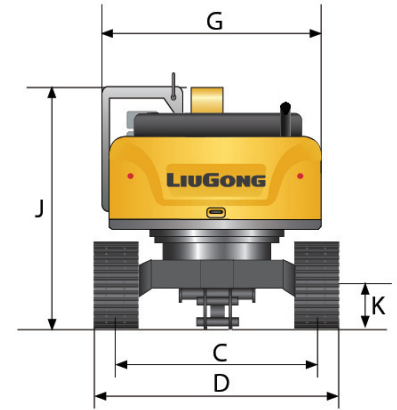
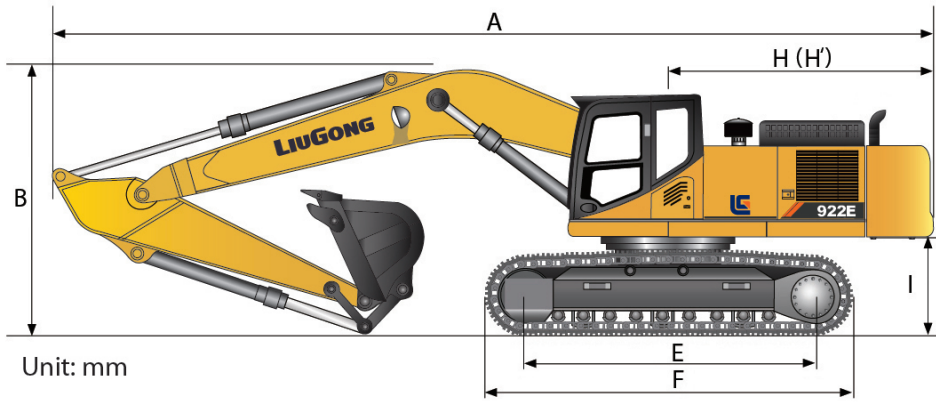
| Hydraulic cylinders | |
|---------------------------------|------------------------------------|
| Boom Cylinder – Bore × Stroke | Φ120 × 1,335 mm (Φ4.7" × 4'5") |
| Stick Cylinder – Bore × Stroke | Φ135 × 1,490 mm (Φ5.3" × 4'11") |
| Bucket Cylinder – Bore × Stroke | Φ115 × 1,120 mm (Φ4.5" × 3'8") |

| ELECTRIC SYSTEM | |
|-----------------|-----------------------------------|
| System Voltage | 24 V |
| Batteries | 2 × 12 V |
| Alternator | 24 V - 70 A |
| Start motor | 24 V - 7.8 kW (24 V - 10.5 hp) |

| SERVICE CAPACITIES | |
|------------------------|------------------|
| Fuel tank | 420 L (111 gal) |
| Engine oil | 25 L (6.6 gal) |
| Final drive (each) | 5.5 L (1.5 gal) |
| Swing drive | 3.4 L (0.9 gal) |
| Cooling system | 25 L (6.6 gal) |
| Hydraulic reservoir | 210 L (55.5 gal) |
| Hydraulic system total | 330 L (87.2 gal) |
| DEF tank | 35 L (9.2 gal) |

| SOUND PERFORMANCE | |
|---------------------------------------|-----------|
| Interior Sound Power Level (ISO 6396) | 69 dB(A) |
| Exterior Sound Power Level (ISO 6395) | 100 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: 5.6 km/h (3.5 mph) Low: 3.3 km/h (2.1 mph) |
| Gradeability | 35°/70% |
| Max. drawbar pull | 220 kN (49,458 lbf) |



DIMENSIONS

| | | |
|---|--------------------|-------------------|
| Boom | 5,710 mm (18' 9") | |
| Arm Options | 2,915 mm (9' 7") | 2,700 mm (8' 10") |
| A Shipping Length | 9,570 mm (31' 5") | |
| B Shipping Height – Top of Boom | 3,140 mm (10' 4") | |
| C Track Gauge | 2,390 mm (7'10") | |
| D Undercarriage Width – with 600 mm Shoes | 2,990 mm (9' 10") | |
| 700 mm Shoes | 3,090 mm (10' 2") | |
| 800 mm Shoes | 3,190 mm (10' 6") | |
| 900 mm Shoes | 3,290 mm (10' 10") | |
| E Length to Center of Rollers | 3,650 mm (12') | |
| F Track Length | 4,440 mm (14' 7") | |
| G Overall Width of Upper Structure | 2,760 mm (9' 1") | |
| H Tail Swing Radius | 2,780 mm (9' 1") | |
| I Counterweight Ground Clearance | 1,070 mm (3' 6") | |
| J Overall Height of Cab | 3,040 mm (10') | |
| K Min. Ground Clearance | 440 mm (1' 5") | |
| L Track Shoe Width | 600 mm (24") | |

BOOM DIMENSIONS

| | |
|--------|---------------------|
| Boom | 5,710 mm (18' 9") |
| Length | 5,915 mm (19' 5") |
| Height | 1,550 mm (5' 1") |
| Width | 621 mm (2') |
| Weight | 1,895 kg (4,178 lb) |

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

ARM DIMENSIONS

| | | |
|--------|---------------------|---------------------|
| Arm | 2,915 mm (9' 7") | 2,700 mm (8' 10") |
| Length | 3,895 mm (12' 9") | 3,685 mm (12' 1") |
| Height | 790 mm (2' 7") | 810 mm (2' 9") |
| Width | 466 mm (1' 6") | 466 mm (1' 6") |
| Weight | 1,110 kg (2,447 lb) | 1,073 kg (2,366 lb) |

Cylinder, linkage and pin included.

BUCKET SELECTION GUIDE

| Bucket type | Capacity | Cutting width | Weight | Teeth pcs | 5.7 m (18' 9") boom | |
|-------------------------|---|------------------|-------------------|-----------|---------------------|--------------------|
| | | | | | 2.9 m (9' 7") arm | 2.7 m (8' 10") arm |
| Heavy duty | 0.9 m ³ (1.18 yd ³) | 1,083 mm (3' 7") | 786 kg (1,733 lb) | 5 | B | B |
| General purpose | 0.95 m ³ (1.24 yd ³) | 1,268 mm (4' 2") | 769 kg (1,695 lb) | 5 | B | B |
| Heavy duty | 1 m ³ (1.31 yd ³) | 1,113 mm (3' 8") | 887 kg (1,956 lb) | 5 | B | B |
| Wide and shallow bucket | 1 m ³ (1.31 yd ³) | 1,227 mm (4') | 850 kg (1,874 lb) | 5 | A | A |
| Super heavy duty | 1 m ³ (1.31 yd ³) | 1,280 mm (4' 2") | 905 kg (1,995 lb) | 5 | C | C |
| Heavy duty | 1.1 m ³ (1.44 yd ³) | 1,330 mm (4' 4") | 852 kg (1,878 lb) | 6 | B | B |
| Heavy duty | 1.2 m ³ (1.57 yd ³) | 1,420 mm (4' 8") | 915 kg (2,017 lb) | 6 | A | A |

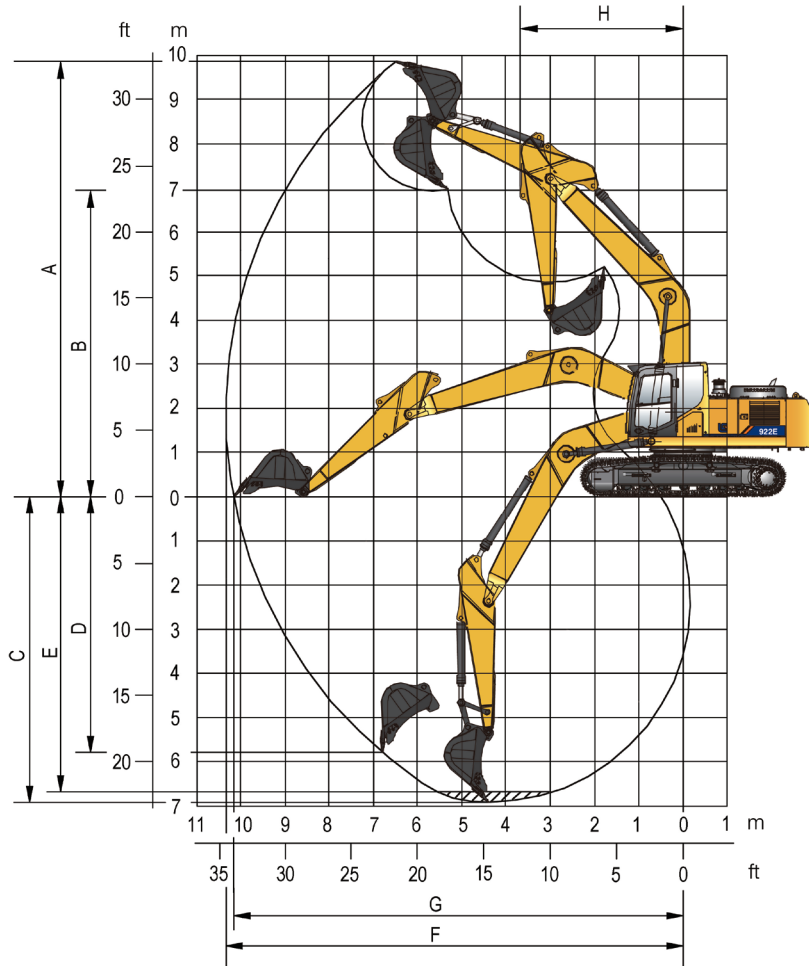
The recommendations are given as a guide only, based on typical operation conditions. Bucket capacity based on ISO 7451, heaped material with a 1:1 angle of repose.

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

MACHINE WEIGHTS AND GROUND PRESSURE

| Shoe width | Operating weight | Ground pressure | Overall width | Operating weight | Ground pressure | Overall width |
|--------------|---|--------------------|-------------------|---|--------------------|-------------------|
| | 5.7 m (18' 9") boom, 2.9 m (9' 7") arm, 1.0 m ³ (1.3 yd ³) bucket, 4,000 kg (8,818 lb) counterweight | | | 5.7 m (18' 9") boom, 2.7 m (8' 10") arm, 1.1 m ³ (1.44 yd ³) bucket, 4,000 kg (8,818 lb) counterweight | | |
| 600 mm (24") | 22,800 kg (50,265 lb) | 46.9 kPa (6.8 psi) | 2,990 mm (9'10") | 22,800 kg (50,265 lb) | 46.9 kPa (6.8 psi) | 2,990 mm (9'10") |
| 700 mm (28") | 23,080 kg (50,883 lb) | 40.7 kPa (5.9 psi) | 3,090 mm (10'2") | 23,080 kg (50,883 lb) | 40.7 kPa (5.9 psi) | 3,090 mm (10'2") |
| 800 mm (32") | 23,370 kg (51,522 lb) | 36 kPa (5.2 psi) | 3,190 mm (10'6") | 23,370 kg (51,522 lb) | 36 kPa (5.2 psi) | 3,190 mm (10'6") |
| 900 mm (35") | 23,650 kg (52,139 lb) | 32.4 kPa (4.7 psi) | 3,290 mm (10'10") | 23,650 kg (52,139 lb) | 32.4 kPa (4.7 psi) | 3,290 mm (10'10") |



WORKING RANGE

| | | |
|--|--|--|
| Boom | 5,710 mm (18' 9") | |
| Arm Options | 2,915 mm (9' 7") | 2,700 mm (8' 10") |
| A. Max. cutting height | 9,945 mm (32' 8") | 9,970 mm (32' 9") |
| B. Max. dumping height | 7,170 mm (23' 6") | 7,200 mm (23' 7") |
| C. Max. digging depth | 6,562 mm (21' 6") | 6,380 mm (20' 11") |
| D. Max. vertical wall digging depth | 5,080 mm (16' 8") | 5,040 mm (16' 6") |
| E. Max. digging depth, 2.44 m (8') level | 6,390 mm (21') | |
| F. Max. digging reach | 9,870 mm (32' 5") | 9,735 mm (31' 11") |
| G. Max. digging reach on ground | 9,685 mm (31' 9") | 9,550 mm (31' 4") |
| H. Min. front swing radius | 3,090 mm (10' 2") | 3,120 mm (10' 3") |
| Bucket Digging Force (ISO) | Normal | 140 kN (31,473 lbf) |
| | Power Boost | 152 kN (34,171 lbf) |
| Arm Digging Force (ISO) | Normal | 97 kN (21,806 lbf) |
| | Power Boost | 105 kN (23,605 lbf) |
| Bucket Capacity | 1.0 m ³ (1.31 yd ³) | 1.1 m ³ (1.44 yd ³) |
| Bucket Tip Radius | 1,450 mm (4' 9") | 1,450 mm (4' 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 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.

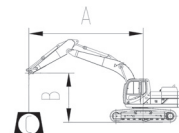
LIFTING CAPACITY (METRIC)

922E with 600 mm shoes, 2,915 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: 5,710 mm
Arm length: 2,915 mm
Bucket: None
Counterweight: 4,000 kg
Shoes: 600 mm triple grouser
Unit: kg



A (Unit: m)

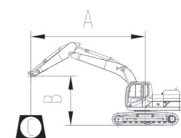
| B (m) | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | MAX REACH | | A (m) |
|-------|---------|---------|---------|--------|---------|--------|--------|--------|--------|-------|--------|-------|-----------|--------|-------|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | |
| 7 | | | | | | | 5,340* | 5,340* | | | | | 5,050* | 5,050* | 6.6 |
| 6 | | | | | | | 5,420* | 5,420* | 5,510* | 4,650 | | | 5,360* | 4,460 | 7.2 |
| 5 | | | | | 6,070* | 6,070* | 5,780* | 5,780* | 5,650* | 4,610 | | | 4,670* | 3,920 | 7.8 |
| 4 | | | 8,140* | 8,140* | 7,010* | 7,010* | 6,360* | 5,650 | 5,960* | 4,550 | 5,670* | 3,740 | 5,670* | 3,740 | 8.0 |
| 3 | | | 10,100* | 9,680 | 8,100* | 7,070 | 7,030* | 5,510 | 6,380* | 4,460 | 5,710 | 3,700 | 5,510 | 3,560 | 8.2 |
| 2 | | | 11,880* | 9,220 | 9,180* | 6,820 | 7,710* | 5,340 | 6,820* | 4,360 | 5,650 | 3,640 | 5,150* | 3,400 | 8.4 |
| 1 | | | 13,090* | 8,940 | 10,060* | 6,630 | 8,310* | 5,210 | 6,760 | 4,280 | 5,610 | 3,580 | 5,420 | 3,480 | 8.2 |
| 0 | 8,210* | 8,210* | 13,670* | 8,810 | 10,640* | 6,500 | 8,340 | 5,130 | 6,690 | 4,210 | 5,570 | 3,540 | 5,380 | 3,450 | 8.2 |
| - 1 | 11,670* | 11,670* | 13,770* | 8,760 | 10,890* | 6,420 | 8,270 | 5,070 | 6,650 | 4,170 | | | 5,750 | 3,660 | 7.8 |
| - 2 | 15,750* | 13,820 | 13,510* | 8,770 | 10,820* | 6,420 | 8,270 | 5,050 | 6,650 | 4,170 | | | 6,170 | 3,910 | 7.4 |
| - 3 | 16,400* | 13,970 | 12,840* | 8,850 | 10,390* | 6,460 | 8,310 | 5,090 | | | | | 5,150* | 4,380 | 7.0 |
| - 4 | 14,670* | 14,180 | 11,630* | 8,980 | 9,420* | 6,570 | | | | | | | 7,900* | 5,420 | 5.8 |

922E with 600 mm shoes, 2,700 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: 5,710 mm
Arm length: 2,700 mm
Bucket: None
Counterweight: 4,000 kg
Shoes: 600 mm triple grouser
Unit: kg



A (Unit: m)

| B (m) | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | MAX REACH | | A (m) |
|-------|---------|---------|---------|--------|---------|--------|--------|--------|--------|-------|--------|-------|-----------|--------|-------|
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | |
| 7 | | | | | | | 5,610* | 5,610* | | | | | 5,110* | 5,110* | 6.4 |
| 6 | | | | | 5,690* | 5,690* | 5,650* | 5,650* | 5,630* | 4,610 | | | 5,630* | 4,610 | 7.0 |
| 5 | | | | | 6,340* | 6,340* | 6,010* | 5,760 | 5,860* | 4,590 | | | 4,920* | 4,050 | 7.6 |
| 4 | | | 8,610* | 8,610* | 7,300* | 7,300 | 6,570* | 5,630 | 6,150* | 4,530 | 4,420* | 3,720 | 4,420* | 3,720 | 8.0 |
| 3 | | | 10,600* | 9,630 | 8,400* | 7,050 | 7,230* | 5,500 | 6,550* | 4,440 | 5,710 | 3,690 | 4,550* | 3,550 | 8.2 |
| 2 | | | 12,320* | 9,220 | 9,460* | 6,820 | 7,900* | 5,360 | 6,860 | 4,360 | 5,650 | 3,640 | 5,460 | 3,510 | 8.2 |
| 1 | | | 13,400* | 8,980 | 10,280* | 6,650 | 8,460 | 5,230 | 6,760 | 4,280 | 5,610 | 3,590 | 5,400* | 3,480 | 8.2 |
| 0 | | | 13,850* | 8,890 | 10,800* | 6,530 | 8,360 | 5,150 | 6,710 | 4,230 | 5,570 | 3,560 | 5,570 | 3,560 | 8.0 |
| - 1 | 11,720* | 11,720* | 13,850* | 8,850 | 10,970 | 6,480 | 8,310 | 5,110 | 6,670 | 4,190 | | | 5,960 | 3,790 | 7.6 |
| - 2 | 16,370* | 14,020 | 13,470* | 8,890 | 10,850* | 6,480 | 8,310 | 5,110 | 6,690 | 4,210 | | | 6,440 | 4,070 | 7.2 |
| - 3 | 16,090* | 14,170 | 12,710* | 8,970 | 10,310* | 6,530 | 8,360 | 5,150 | | | | | 7,320 | 4,590 | 6.6 |
| - 4 | 14,190* | 14,190* | 11,320* | 9,100 | 9,150* | 6,650 | | | | | | | 7,940* | 5,750 | 5.6 |

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.

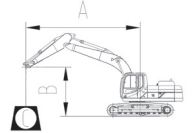
LIFTING CAPACITY (METRIC)

922E with 800 mm shoes, 2,915 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: 5,710 mm
Arm length: 2,915 mm
Bucket: None
Counterweight: 4,000 kg
Shoes: 800 mm triple grouser
Unit: kg



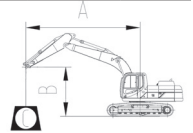
| B (m) | A (Unit: m) | | | | | | | | | | | | | | A (m) | |
|-------|-------------|---------|---------|--------|---------|--------|--------|--------|--------|-------|--------|-------|-----------|--------|--------|-----|
| | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | MAX REACH | | | |
| 7 | | | | | | | 5,340* | 5,340* | | | | | | 5,050* | 5,050* | 6.6 |
| 6 | | | | | | | 5,420* | 5,420* | 5,510* | 4,820 | | | | 5,360* | 4,460 | 7.2 |
| 5 | | | | | 6,070* | 6,070* | 5,780* | 5,780* | 5,650* | 4,780 | | | | 4,670* | 3,920 | 7.8 |
| 4 | | | 8,140* | 8,140* | 7,010* | 7,010* | 6,360* | 5,840 | 5,960* | 4,690 | 5,670* | 3,860 | 5,670* | 3,740 | 8.0 | |
| 3 | | | 10,100* | 10,000 | 8,100* | 7,300 | 7,030* | 5,690 | 6,380* | 4,610 | 5,900 | 3,820 | 5,510 | 3,560 | 8.2 | |
| 2 | | | 11,880* | 9,550 | 9,180* | 7,050 | 7,710* | 5,530 | 6,820* | 4,510 | 5,840 | 3,760 | 5,150* | 3,400 | 8.4 | |
| 1 | | | 13,090* | 9,270 | 10,060* | 6,860 | 8,310* | 5,400 | 6,980 | 4,420 | 5,800 | 3,720 | 5,420 | 3,480 | 8.2 | |
| 0 | 8,210* | 8,210* | 13,670* | 9,130 | 10,640* | 6,730 | 8,610 | 5,300 | 6,920 | 4,360 | 5,760 | 3,690 | 5,380 | 3,450 | 8.2 | |
| -1 | 11,670* | 11,670* | 13,770* | 9,070 | 10,890* | 6,670 | 8,560 | 5,260 | 6,880 | 4,320 | | | 5,750 | 3,660 | 7.8 | |
| -2 | 15,750* | 14,320 | 13,510* | 9,100 | 10,820* | 6,650 | 8,550 | 5,250 | 6,880 | 4,320 | | | 6,170 | 3,910 | 7.4 | |
| -3 | 16,400* | 14,470 | 12,840* | 9,180 | 10,390* | 6,710 | 8,590 | 5,280 | | | | | 5,150* | 4,380 | 7.0 | |
| -4 | 14,670* | 14,670* | 11,630* | 9,310 | 9,420* | 6,800 | | | | | | | 7,900* | 5,420 | 5.8 | |

922E with 800 mm shoes, 2,700 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: 5,710 mm
Arm length: 2,700 mm
Bucket: None
Counterweight: 4,000 kg
Shoes: 800 mm triple grouser
Unit: kg



| B (m) | A (Unit: m) | | | | | | | | | | | | | | A (m) | |
|-------|-------------|---------|---------|--------|---------|--------|--------|--------|--------|--------|--------|-------|-----------|--------|--------|-----|
| | 3 | | 4 | | 5 | | 6 | | 7 | | 8 | | MAX REACH | | | |
| 7 | | | | | | | 5,610* | 5,610* | | | | | | 5,110* | 5,110* | 6.4 |
| 6 | | | | | | 5,690* | 5,690* | 5,650* | 5,650* | 5,630* | 4,780 | | | 5,630* | 4,610 | 7.0 |
| 5 | | | | | | 6,340* | 6,340* | 6,010* | 5,940 | 5,860* | 4,750 | | | 4,920* | 4,050 | 7.6 |
| 4 | | | 8,610* | 8,610* | 7,300* | 7,300* | 6,570* | 5,820 | 6,150* | 4,690 | 4,420* | 3,840 | 4,420* | 3,720 | 8.0 | |
| 3 | | | 10,600* | 9,940 | 8,400* | 7,280 | 7,230* | 5,670 | 6,550* | 4,590 | 5,900 | 3,810 | 4,550* | 3,550 | 8.2 | |
| 2 | | | 12,320* | 9,550 | 9,460* | 7,050 | 7,900* | 5,530 | 6,960* | 4,510 | 5,840 | 3,760 | 5,460 | 3,510 | 8.2 | |
| 1 | | | 13,400* | 9,310 | 10,280* | 6,880 | 8,470* | 5,420 | 7,000 | 4,440 | 5,800 | 3,730 | 5,400* | 3,480 | 8.2 | |
| 0 | | | 13,850* | 9,210 | 10,800* | 6,780 | 8,640 | 5,340 | 6,940 | 4,380 | 5,760 | 3,700 | 5,570 | 3,560 | 8.0 | |
| -1 | 11,720* | 11,720* | 13,850* | 9,180 | 10,980* | 6,730 | 8,600 | 5,300 | 6,900 | 4,360 | | | 5,960 | 3,790 | 7.6 | |
| -2 | 16,370* | 14,520 | 13,470* | 9,210 | 10,850* | 6,730 | 8,600 | 5,300 | 6,920 | 4,360 | | | 6,440 | 4,070 | 7.2 | |
| -3 | 16,090* | 14,650 | 12,710* | 9,280 | 10,310* | 6,780 | 8,480* | 5,340 | | | | | 7,320 | 4,590 | 6.6 | |
| -4 | 14,190* | 14,190* | 11,320* | 9,430 | 9,150* | 6,880 | | | | | | | 7,940* | 5,750 | 5.6 | |

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.

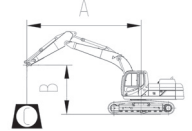
LIFTING CAPACITY (IMPERIAL)

922E with 24" shoes, 9'7" arm

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

Conditions

Boom length: 18'9"
 Arm length: 9'7"
 Bucket: None
 Counterweight: 8,818 lb
 Shoes: 24" triple grouser
 Unit: lb



A (Unit: ft)

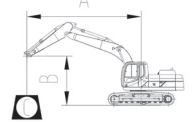
| B (ft) | A (Unit: ft) | | | | | | | | | | | | A (ft) | | |
|--------|--------------|---------|---------|---------|---------|---------|---------|--------|---------|-------|-----------|--------|---------|--------|----|
| | 5 | | 10 | | 15 | | 20 | | 25 | | MAX REACH | | | | |
| 20 | | | | | | | | | | | | | 12,200* | 10,253 | 23 |
| 15 | | | | | 14,790* | 14,790* | 13,203* | 12,389 | 12,619* | 8,944 | 10,848* | 8,412 | | | 26 |
| 10 | | | | | 19,263* | 17,709 | 15,264* | 11,906 | 13,478* | 8,745 | 12,100 | 7,828 | | | 27 |
| 5 | | | | | 23,505* | 16,699 | 17,427* | 11,424 | 13,320 | 8,516 | 11,935 | 7,676 | | | 27 |
| 0 | | | 18,798* | 18,798* | 25,919* | 16,150 | 17,980 | 11,084 | 13,130 | 8,346 | 12,433 | 7,936 | | | 26 |
| - 5 | 19,916* | 19,916* | 30,857* | 29,596 | 26,375* | 16,003 | 17,821 | 10,947 | 13,086 | 8,306 | 13,075 | 8,300 | | | 25 |
| - 10 | 32,222* | 32,222* | 35,577* | 30,006 | 24,940* | 16,141 | 17,923 | 11,036 | | | 15,685 | 9,819 | | | 22 |
| - 15 | | | 28,875* | 28,875* | 20,487* | 16,615 | | | | | 17,678* | 14,054 | | | 17 |

922E with 24" shoes, 8'10" arm

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

Conditions

Boom length: 18'9"
 Arm length: 8'10"
 Bucket: None
 Counterweight: 8,818 lb
 Shoes: 24" triple grouser
 Unit: lb



A (Unit: ft)

| B (ft) | A (Unit: ft) | | | | | | | | | | | | A (ft) | | |
|--------|--------------|---------|---------|---------|---------|---------|---------|--------|---------|-------|-----------|--------|---------|--------|----|
| | 5 | | 10 | | 15 | | 20 | | 25 | | MAX REACH | | | | |
| 20 | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | 11,377* | 10,158 | 23 |
| 15 | | | | | 15,535* | 15,535* | 13,677* | 12,323 | 13,057* | 8,893 | 13,057* | 8,884 | | | 25 |
| 10 | | | | | 20,061* | 17,647 | 15,718* | 11,882 | 13,544 | 8,730 | 12,768 | 8,247 | | | 26 |
| 5 | | | | | 24,177* | 16,739 | 17,819* | 11,446 | 13,322 | 8,529 | 11,649* | 7,682 | | | 27 |
| 0 | | | | | 26,318* | 16,276 | 18,040 | 11,148 | 13,161 | 8,384 | 12,464 | 7,971 | | | 26 |
| - 5 | 20,604* | 20,604* | 31,668* | 30,011 | 26,483* | 16,175 | 17,914 | 11,040 | | | 13,869 | 8,785 | | | 24 |
| - 10 | | | 34,902* | 30,418 | 24,713* | 16,333 | 18,046 | 11,155 | | | 16,832 | 10,498 | | | 21 |
| - 15 | | | 27,552* | 27,552* | 19,490* | 16,836 | | | | | 17,996* | 15,423 | | | 16 |

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.

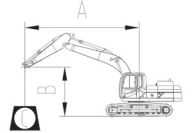
LIFTING CAPACITY (IMPERIAL)

922E with 32" shoes, 9'7" arm

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

Conditions

Boom length: 18'9"
Arm length: 9'7"
Bucket: None
Counterweight: 8,818 lb
Shoes: 32" triple grouser
Unit: lb



A (Unit: ft)

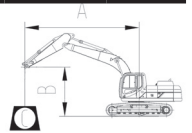
| B (ft) | A (Unit: ft) | | | | | | | | | | A (ft) | | |
|--------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|-------|---------|-----------|----|
| | 5 | | 10 | | 15 | | 20 | | 25 | | | MAX REACH | |
| 20 | | | | | | | 11,940* | 11,940* | | | 12,200* | 10,253 | 23 |
| 15 | | | | | 14,790* | 14,790* | 13,203* | 12,793 | 12,619* | 9,252 | 10,848* | 8,412 | 26 |
| 10 | | | | | 19,263* | 18,295 | 15,264* | 12,310 | 13,478* | 9,054 | 12,100 | 7,828 | 27 |
| 5 | | | | | 23,505* | 17,288 | 17,427* | 11,829 | 13,763 | 8,824 | 11,935 | 7,676 | 27 |
| 0 | | | 18,798* | 18,798* | 25,919* | 16,739 | 18,584 | 11,490 | 13,573 | 8,655 | 12,433 | 7,936 | 26 |
| - 5 | 19,916* | 19,916* | 30,857* | 30,665 | 26,375* | 16,589 | 18,423 | 11,351 | 13,531 | 8,615 | 13,075 | 8,300 | 25 |
| - 10 | 32,222* | 32,222* | 35,577* | 31,078 | 24,940* | 16,728 | 18,527 | 11,439 | | | 15,685 | 9,819 | 22 |
| - 15 | | | 28,875* | 28,875* | 20,487* | 17,204 | | | | | 17,678* | 14,054 | 17 |

922E with 32" shoes, 8'10" arm

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

Conditions

Boom length: 18'9"
Arm length: 8'10"
Bucket: None
Counterweight: 8,818 lb
Shoes: 32" triple grouser
Unit: lb



A (Unit: ft)

| B (ft) | A (Unit: ft) | | | | | | | | | | | | A (ft) |
|--------|--------------|---------|---------|---------|---------|---------|---------|---------|---------|-------|-----------|--------|--------|
| | 5 | | 10 | | 15 | | 20 | | 25 | | MAX REACH | | |
| | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | Cf | Cs | |
| 20 | | | | | | | 12,455* | 12,455* | | | 11,377* | 10,158 | 23 |
| 15 | | | | | 15,535* | 15,535* | 13,677* | 12,729 | 13,057* | 9,201 | 13,057* | 8,884 | 25 |
| 10 | | | | | 20,061* | 18,234 | 15,718* | 12,286 | 13,822* | 9,038 | 12,768 | 8,247 | 26 |
| 5 | | | | | 24,177* | 17,325 | 17,819* | 11,851 | 13,767 | 8,838 | 11,649* | 7,682 | 27 |
| 0 | | | | | 26,318* | 16,862 | 18,641 | 11,554 | 13,606 | 8,692 | 12,464 | 7,971 | 26 |
| - 5 | 20,604* | 20,604* | 31,668* | 31,082 | 26,483* | 16,761 | 18,518 | 11,446 | | | 13,869 | 8,785 | 24 |
| - 10 | | | 34,902* | 31,488 | 24,713* | 16,922 | 18,295* | 11,558 | | | 16,832 | 10,498 | 21 |
| - 15 | | | 27,552* | 27,552* | 19,490* | 17,425 | | | | | 17,996* | 15,423 | 16 |

STANDARD EQUIPMENT

ENGINE SYSTEM

- Cummins diesel engine, turbocharged, inline 6-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

- 5,710 mm (18' 9") boom
- 2,915 mm (9' 7") arm
- 1 m³ (1.31 yd³) (SAE, heaped) bucket

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
- Rotating beacon
- Starting, 24 V

UNDERCARRIAGE

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

GUARDS

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

OTHER STANDARD EQUIPMENT

- 4,000 kg (8,818 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
- 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"), 800 mm (32"), 900 mm (35") track-shoes with triple grousers
- 3 piece track-guards (each side)

DIGGING EQUIPMENT

- Arm: 2,700 mm (8' 10")
- Bucket: 0.9/0.95/1.0/1.1/1.2 m³ (1.18/1.24/1.31/1.44/1.57 yd³)
- Hydraulic breaker
- Ripper shank



Guangxi LiuGong Machinery Co., Ltd.

No. 1 Liutai Road, Liuzhou, Guangxi, PR China 545007
T: +86 772 388 6124 E: overseas@liugong.com
www.liugong.com

LG-SP-922E-T4F-WW-A4-07072017-ENG

Like and follow us:



The LiuGong series of logos herein, including but not limited to word marks, device marks, letter of alphabet marks and combination marks, as the registered trademarks of Guangxi LiuGong Group Co., Ltd. are used by Guangxi LiuGong Machinery Co., Ltd. with legal permission, and shall not be used without permission. Specifications and designs are subject to change without notice. Illustrations and pictures may include optional equipment and may not include all standard equipment. Equipment and options varies by regional availability.