

LIUGONG

ALL NEW
F-SERIES

909F_{CR} EXCAVATOR

Engine	YANMAR 4TN98CT-7V
Rated Power	53.3 kW (71.5 hp) @ 2,100 rpm
Operating Weight	8,700 - 112,000 kg
Bucket Capacity	0.28 m ³



TOUGH WORLD. TOUGH EQUIPMENT.



SPECIFICATIONS

Operating weight	8,700 - 112,000 kg
Operating weight includes coolant, lubricants, full fuel tank, cab, standard shoes, boom, arm, bucket and operator 75 kg (165 lb).	
Bucket capacity	0.28 m³

ENGINE	
Description	
YANMAR EU Stage V, 4-cylinder straight,Turbocharger, high pressure common rail, electronically controlled direct injection.	
Air cleaner: Donaldson FPG air filter.	
Emission rating	EU Stage V/ EPA Tier4F/ARB-OR
Engine manufacturer	YANMAR
Engine model	4TN98CT-7V
Aspiration	Turbocharger
Cooling fan drive	Direct drive
Displacement	3.3 L
Engine output - gross (SAE J1995 / ISO 14396)	53.3 kW @ 2,100 rpm
Maximum torque	308 N·m @ 1,365 rpm
Bore × stroke	98 × 110 mm

DRIVE AND BRAKES	
Description	
2-speed axial piston motors with oil disk brakes. Steering controlled by two hand levers with pedals.	
Max. Travel speed	MONO: 5.3 / 3 km/h TPB: 4.4 / 2.4 km/h
Gradeability	35°/70%
Max. Drawbar pull	MONO: 75 kN TPB: 80 kN

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	10 rpm
Swing torque	21,000 N·m

HYDRAULIC SYSTEM	
Main pump	
Type	Axial piston variable pumps
Maximum flow	210 L/min
Relief valve setting	
Implement	31 MPa
Travel circuit	31 MPa
Slew circuit	24 MPa
Pilot circuit	3.3 MPa
Hydraulic cylinders	
Boom cylinder – Bore × stroke	φ110 × 1,284 mm
Arm cylinder – Bore × stroke	φ100 ×1,328 mm
Bucket cylinder – Bore × stroke	φ90 × 1,100 mm

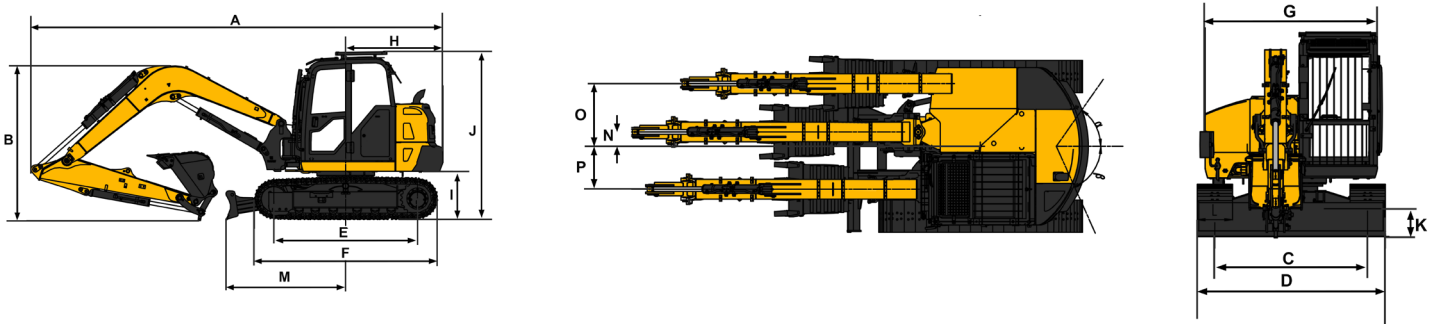
SOUND PERFORMANCE	
Interior sound power Level (ISO 6396)	73 dB(A)
Exterior sound power Level (ISO 6395)	99 dB(A)

ELECTRIC SYSTEM	
System voltage	12 V
Batteries	1 x 12 V
Alternator	12 V - 80 A
Starter motor	12 V - 3 kW

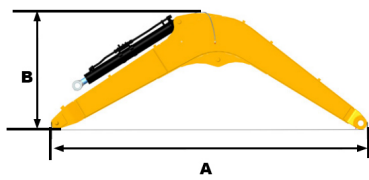
SERVICE CAPACITIES	
Fuel tank	110 L
Engine oil	10.2 L
Final drive (each)	1.1 L
Cooling system	13.2 L
Hydraulic reservoir	61.3 L
Hydraulic system total	150 L

UNDERCARRIAGE (MONO)	
Track shoe each side	39
Link pitch	154 mm
Shoe width, triple grouser	450 mm
Bottom rollers each side	6
Top rollers each side	1

UNDERCARRIAGE (TPB)	
Track shoe each side	43
Link pitch	154 mm
Shoe width, triple grouser	450 mm
Bottom rollers each side	7
Top rollers each side	1

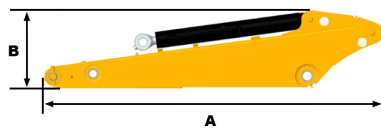


DIMENSIONS (MONO)		
Boom	3,375 mm	
Arm options	1650 mm	2,100 mm
A. Shipping length	6,395 mm	6,395 mm
B. Shipping height – top of boom	2,405 mm	2,405 mm
C. Track gauge	1,830 mm	1,830 mm
D. Undercarriage width– 450 mm shoes	2,280 mm	2,280 mm
E. Length to center of rollers	2,230 mm	2,230 mm
F. Track length	2,840 mm	2,840 mm
G. Track shoe width	450 mm	450 mm
H. Tail swing radius	1,510 mm	1,510 mm
I. Counterweight ground clearance	750 mm	750 mm
J. Overall height of cab	2,570 mm	2,570 mm
J (i). Overall height of cab (with protective equipment)	2,610 mm	2,610 mm
K. Min. Ground clearance	340 mm	340 mm
L. Overall width of upper structure	2,200 mm	2,200 mm



BOOM (MONO)	
Boom	3,375 mm
A Length	3,510 mm
B Height	1,290 mm
C Width	424 mm
D Width	573 mm (with boom hinge pin)
Weight	550 kg

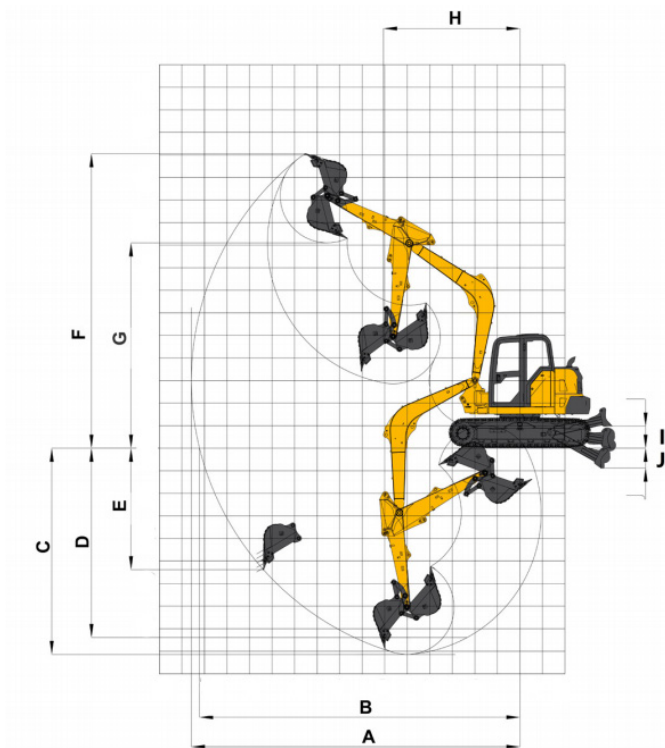
Cylinder, piping and pin included. Boom cylinder pin excluded.



ARM		
Arm	1,650 mm	2,100 mm
A Length	2,205 mm	2,660 mm
B Height	510 mm	
C Width	390 mm (with hinge pin)	
Weight	276 kg	345 kg

Cylinder, linkage and pin included.

MACHINE WEIGHTS AND GROUND PRESSURE			
	Operating weight	Ground pressure	Overall width
Shoe width	Mono boom, 0.28 m³ bucket, 1,750 kg counterweight (other systems are standard configuration)		
450 mm	8,700 kg	38.8 kPa	2,280 mm
450 mm	9,500 kg	42.3 kPa	2,280 mm



WORKING RANGE (MONO)

Boom length	3,375 mm		
Arm length	1,650 mm	2,100 mm	
A. Max. Digging reach	6,860 mm	7,290 mm	
B. Max. Digging reach on ground	6,670 mm	7,110 mm	
C. Max. Digging depth	4,130 mm	4,580 mm	
D. Max. Digging depth, 2.5 m level	3,770 mm	4,205 mm	
E. Max. Vertical wall digging depth	2,945 mm	3,405 mm	
F. Max. Cutting height	6,290 mm	6,520 mm	
G. Max. Dumping height	4,315 mm	4,540 mm	
H. Min. Front swing radius	2,885 mm	2,900 mm	
Bucket digging force (ISO)	Normal	67 kN	
Stick digging force (ISO)	Normal	46 kN	37 kN
Bucket capacity	0.28 m ³		
Bucket tip radius	1,043 mm		

BUCKET SELECTION GUIDE (MONO)

Bucket type	Capacity	Cutting width	Weight	Teeth pcs	3,375 mm boom 1,650 mm arm	3,375 mm boom 2,100 mm arm
General purpose	0.28 m ³	770 mm	236.2 kg	4	A/B	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: 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

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.

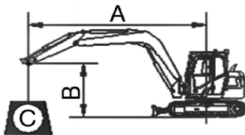
- Lifting capacities are based on machine standing on level, firm and uniform ground.
- *Indicates the load is limited by hydraulic capacity rather than tipping capacity.
- Operator should be fully acquainted with the Operator's and Maintenance Instructions before operating this machine and rules for the safe operation of equipment should be adhered to at all times.

LIFTING CAPACITY (MONO)

909F_{CR} with 450 mm Shoes, 3,375 mm Boom, 1,650 mm Arm

Conditions

Boom length: 3,375 mm
Arm length: 1,650 mm
Bucket: None
Counterweight: 1,750 kg
Shoes: 450 mm triple grouser
Unit: kg



A (Unit: m) Blade: up											
B (m)		2		3		4		5		MAX REACH	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
5.0	kg					*1,540	*1,540			*1,630	*1,630
4.0	kg					*1,550	*1,550	1,490	1,540	1,420	1,460
3.0	kg			*2,360	*2,360	*1,880	*1,880	1,470	1,520	1,230	1,270
2.0	kg					1,980	2,050	1,430	1,480	1,140	1,170
1.0	kg					1,900	1,960	1,390	1,430	1,120	1,150
GROUND LEVEL	kg			2,860	2,970	1,850	1,920	1,360	1,400	1,170	1,210
-1.0	kg	*4,280	*4,280	2,870	2,980	1,850	1,910	1,360	1,400	1,310	1,350
-2.0	kg	*5,900	*5,900	2,910	3,030	1,870	1,940			1,670	1,730

A (Unit: m) Blade: down											
B (m)		2		3		4		5		MAX REACH	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
5.0	kg					*1,540	*1,540			*1,630	*1,630
4.0	kg					*1,550	*1,550	*1,610	1,540	*1,630	1,460
3.0	kg			*2,360	*2,360	*1,880	*1,880	*1,700	1,520	*1,680	1,270
2.0	kg					*2,360	2,050	*1,900	1,480	*1,740	1,170
1.0	kg					*2,790	1,960	*2,110	1,430	*1,830	1,150
GROUND LEVEL	kg			*4,550	2,970	*3,000	1,920	*2,230	1,400	*1,930	1,210
-1.0	kg	*4,280	*4,280	*4,290	2,980	*2,950	1,910	*2,160	1,400	*2,050	1,350
-2.0	kg	*5,900	*5,900	*3,650	3,030	*2,520	1,940			*2,180	1,730



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.



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.

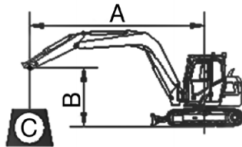
LIFTING CAPACITY (MONO)

909F_{CR} with 450 mm Shoes, 3,375 mm Boom, 2,100 mm Arm

A: Load radius
B: Load point height
C: Lifting capacity
Cf: Rating over front
Cs: Rating over side

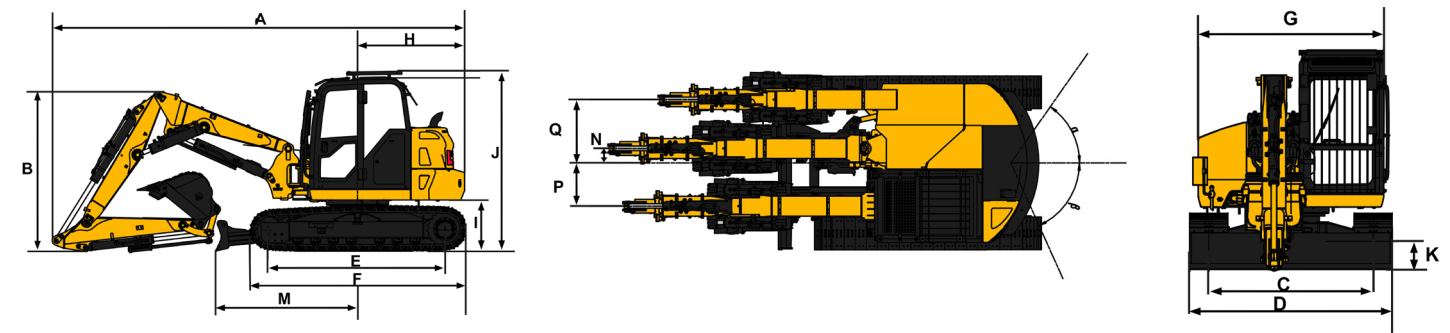
Conditions

Boom length: 3,375 mm
Arm length: 2,100 mm
Bucket: None
Counterweight: 1,750 kg
Shoes: 450 mm triple grouser
Unit: kg

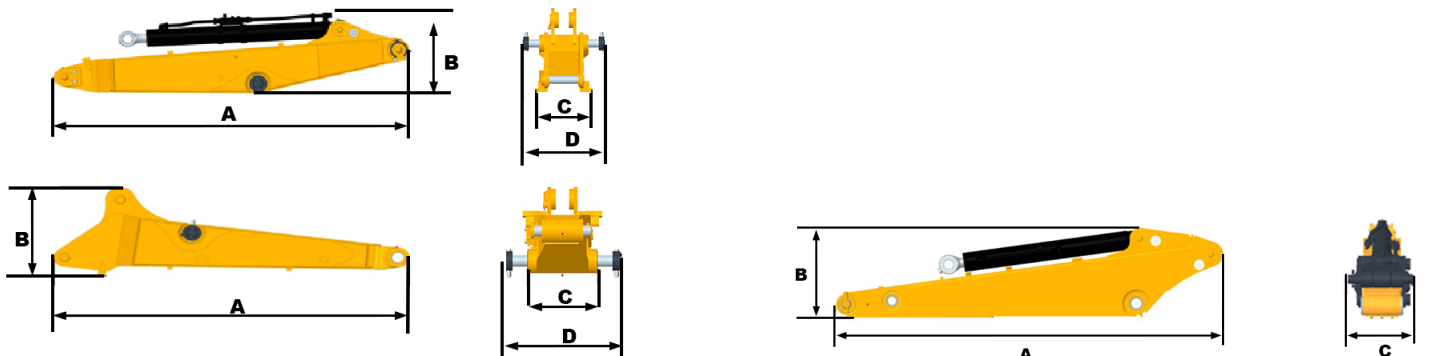


A (Unit: m) Blade: up													
B (m)	2		3		4		5		6		MAX REACH		
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
5.0	kg										*1,450	*1,450	4.93
4.0	kg						*1,390	*1,390			1,260	1,300	5.63
3.0	kg				*1,610	*1,610	1,510	*1,520	1,130	1,170	1,120	1,150	6.04
2.0	kg		*3,100	*3,100	2,030	2,100	1,460	1,510	1,110	1,150	1,050	1,080	6.24
1.0	kg		2,960	*3,010	1,940	2,000	1,410	1,460	1,090	1,120	1,030	1,060	6.24
GROUND LEVEL	kg		2,880	3,000	1,880	1,940	1,380	1,420	1,070	1,110	1,070	1,100	6.04
-1.0	kg	*2,790	*2,790	2,870	2,980	1,850	1,920	1,360	1,410		1,160	1,200	5.63
-2.0	kg	*5,020	*5,020	2,900	3,010	1,860	1,930				1,400	1,450	4.93
-3.0	kg	*4,980	*4,980	2,970	*3,010						2,130	*2,170	3.73

A (Unit: m) Blade: down														
B (m)	2		3		4		5		6		MAX REACH			
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)	
5.0	kg											*1,450	*1,450	4.93
4.0	kg						*1,390	*1,390				*1,480	1,300	5.63
3.0	kg					*1,610	*1,610	*1,520	*1,520	*1,520	1,170	*1,520	1,150	6.04
2.0	kg			*3,100	*3,100	*2,130	2,100	*1,760	1,510	*1,600	1,150	*1,590	1,080	6.24
1.0	kg			*3,010	*3,010	*2,630	2,000	*2,020	1,460	*1,720	1,120	*1,670	1,060	6.24
GROUND LEVEL	kg			*3,530	3,000	*2,950	1,940	*2,200	1,420	*1,780	1,110	*1,770	1,100	6.04
-1.0	kg	*2,790	*2,790	*4,500	2,980	*3,020	1,920	*2,240	1,410			*1,880	1,200	5.63
-2.0	kg	*5,020	*5,020	*4,070	3,010	*2,790	1,930					*2,020	1,450	4.93
-3.0	kg	*4,980	*4,980	*3,010	*3,010							*2,170	*2,170	3.73



DIMENSIONS (TPB)		
Boom (Top/Lower)	2,100 mm / 2,011 mm	
Arm options	1,650 mm	2,100 mm
A. Shipping length	5,960 mm	5,960 mm
B. Shipping height – top of boom	2,310 mm	2,310 mm
C. Track gauge	1,830 mm	1,830 mm
D. Undercarriage width– 450 mm shoes	2,280 mm	2,280 mm
E. Length to center of rollers	2,532 mm	2,532 mm
F. Track length	3,135 mm	3,135 mm
G. Track shoe width	450 mm	450 mm
H. Tail swing radius	1,550 mm	1,550 mm
I. Counterweight ground clearance	750 mm	750 mm
J. Overall height of cab	2,570 mm	2,570 mm
J (i). Overall height of cab (with protective equipment)	2,610 mm	2,610 mm
K. Min. Ground clearance	340 mm	340 mm
L. Overall width of upper structure	2,200 mm	2,200 mm

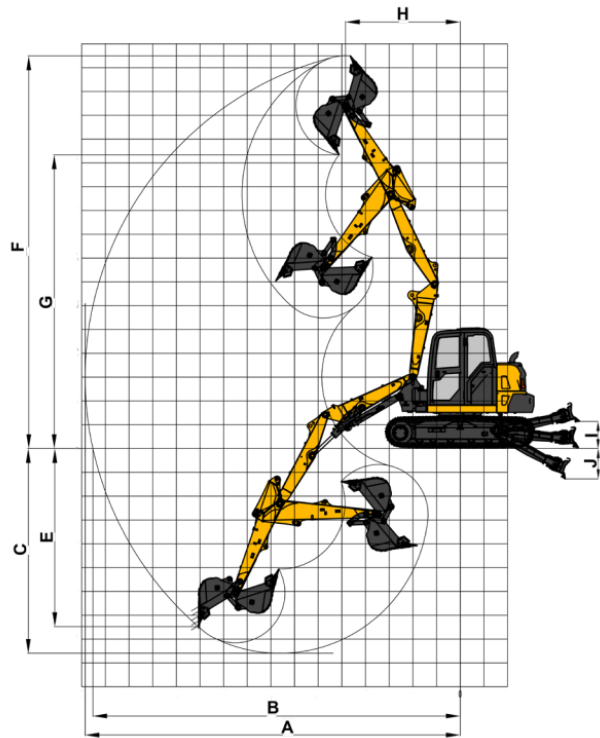


BOOM (TPB)	TOP	LOWER
Boom	2,100 mm	2,011 mm
A Length	2,230 mm	2,146 mm
B Height	503 mm	632 mm
C Width	424 mm	
D Width	625 mm (with boom hinge pin)	
Weight	344 kg	372 kg

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

ARM		
Arm	1,650 mm	2,100 mm
A Length	2,205 mm	2,660 mm
B Height	510 mm	
C Width	390 mm (with hinge pin)	
Weight	276 kg	345 kg

Cylinder, linkage and pin included.



WORKING RANGE (TPB)			
Boom length (Top/Lower)		2,100 mm / 2,011 mm	
Arm length	1,650 mm	2,100 mm	
A. Max. Digging reach	7,490 mm	7,930 mm	
B. Max. Digging reach on ground	7,315 mm	7,765 mm	
C. Max. Digging depth	3,860 mm	4,310 mm	
D. Max. Digging depth, 2.5 m level	3,550 mm	4,050 mm	
E. Max. Vertical wall digging depth	3,380 mm	3,780 mm	
F. Max. Cutting height	7,840 mm	8,245 mm	
G. Max. Dumping height	5,550 mm	5,905 mm	
H. Min. Front swing radius	2,285 mm	2,485 mm	
Bucket digging force (ISO)	Normal	67 kN	
Stick digging force (ISO)	Normal	46 kN	37 kN
Bucket capacity	0.28 m³		
Bucket tip radius	1,043 mm		

MACHINE WEIGHTS AND GROUND PRESSURE			
Shoe width	Operating weight	Ground pressure	Overall width
	2-piece boom, 0.28 m³ bucket, 2,100 kg counterweight (other systems are standard configuration)		
450 mm (1'6")	9,500 kg	37.7 kPa	2,280 mm
450 mm (1'6")	112,000 kg	44.4 kPa	2,280 mm

BUCKET SELECTION GUIDE (TPB)						
Bucket type	Capacity	Cutting width	Weight	Teeth pcs	2,100 mm / 2,011 mm boom 1,650 mm arm	2,100 mm / 2,011 mm boom 2,100 mm arm
General purpose	0.28 m³	770 mm	236.2 kg	4	A/B	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: 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

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.



- 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 (TPB)

909F_{CR} with 450 mm Shoes, TPB, 1,650 mm Arm

A: Load radius

B: Load point height

C: Lifting capacity

Cf: Rating over front

Cs: Rating over side

Conditions

Boom length: TPB

Arm length: 1,650 mm

Bucket: None

Counterweight: 2,100 kg

Shoes: 450 mm triple grouser

Unit: kg

A (Unit: m) Blade: up

B (m)		3		4		5		6		MAX REACH		A (m)
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
5.0	kg	*2,440	*2,440	*2,140	*2,140					*2,140	*2,140	4.06
4.0	kg			*1,980	*1,980	*1,790	1,620			1,760	1,510	5.17
3.0	kg	*2,710	*2,710	*2,100	*2,100	*1,790	1,610			1,440	1,240	5.83
2.0	kg			*2,390	2,200	1,820	1,560	1,370	1,170	1,280	1,100	6.23
1.0	kg			2,430	2,060	1,760	1,500	1,340	1,150	1,210	1,030	6.42
GROUND LEVEL	kg			2,330	1,960	1,700	1,450	1,320	1,120	1,200	1,020	6.42
-1.0	kg			2,300	1,930	1,670	1,420	1,300	1,110	1,240	1,060	6.23
-2.0	kg	*2,840	*2,840	2,300	1,930	1,670	1,410			*1,270	1,160	5.83
-3.0	kg	*2,050	*2,050	*1,720	*1,720	*1,190	*1,190			*1,020	*1,020	5.17

A (Unit: m) Blade: down											
B (m)		3		4		5		6		MAX REACH	
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs
6.0	kg	*2,440	*2,440	*2,140	*2,140					*2,140	*2,140
5.0	kg			*1,980	*1,980	*1,790	1,620			*1,790	1,510
4.0	kg	*2,710	*2,710	*2,100	*2,100	*1,790	1,610			*1,640	1,240
3.0	kg			*2,390	2,200	*1,890	1,560	*1,610	1,170	*1,560	1,100
2.0	kg			*2,690	2,060	*2,010	1,500	*1,640	1,150	*1,510	1,030
1	kg			*2,790	1,960	*2,070	1,450	*1,630	1,120	*1,450	1,020
GROUND LEVEL	kg			*2,650	1,930	*2,010	1,420	*1,520	1,110	*1,380	1,060
-1.0	kg	*2,840	*2,840	*2,310	1,930	*1,770	1,410			*1,270	1,160
-2.0	kg	*2,050	*2,050	*1,720	*1,720	*1,190	*1,190			*1,020	*1,020



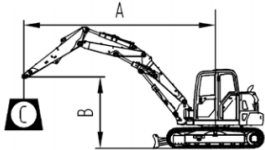
Lifting capacity at the arm end without bucket.
For lifting capacity including bucket, weight of the bucket or the bucket with quick coupler must be deducted from the lifting capacities.
Lifting capacities are based on the machine standing on a firm, uniform supporting surface.



- 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 (TPB)

909F _{CR} with 450 mm Shoes, TPB, 2,100 mm Arm		Conditions	
A: Load radius B: Load point height C: Lifting capacity Cf: Rating over front Cs: Rating over side		Boom length: TPB Arm length: 2,100 mm Bucket: None Counterweight: 2,100 kg Shoes: 450 mm triple grouser Unit: kg	



A (Unit: m) Blade: up											
B (m)	3		4		5		6		MAX REACH		A (m)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
7.0	kg	*2,640	*2,640						*2,610	*2,610	3.08
6.0	kg			*1,840	*1,840				*1,790	1,750	4.78
5.0	kg			*1,770	*1,770	*1,620	*1,620		1,520	1,310	5.72
4.0	kg			*1,910	*1,910	*1,660	1,650	1,410	1,220	1,290	6.32
3.0	kg			*2,210	*2,210	*1,790	1,600	1,390	1,200	1,170	6.68
2	kg			2,490	2,110	1,780	1,530	1,360	1,170	1,110	6.86
1.0	kg			2,370	2,000	1,720	1,470	1,330	1,140	1,100	6.86
GROUND LEVEL	kg			2,310	1,940	1,680	1,420	1,300	1,110	1,130	6.68
-1.0	kg	*2,560	*2,560	2,290	1,930	1,660	1,410	1,300	1,110	*1,210	6.32
-2.0	kg	*2,620	*2,620	*2,040	1,950	*1,530	1,430			*1,060	5.72

A (Unit: m) Blade: down											
B (m)	3		4		5		6		MAX REACH		A (m)
	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	
7.0	kg	*2,640	*2,640						*2,610	*2,610	3.08
6.0	kg			*1,840	*1,840				*1,790	1,750	4.78
5.0	kg			*1,770	*1,770	*1,620	*1,620		*1,590	1,310	5.72
4.0	kg			*1,910	*1,910	*1,660	1,650	*1,510	1,220	*1,490	6.32
3.0	kg			*2,210	*2,210	*1,790	1,600	*1,550	1,200	*1,430	6.68
2	kg			*2,550	2,110	*1,940	1,530	*1,600	1,170	*1,380	6.86
1.0	kg			*2,770	2,000	*2,050	1,470	*1,640	1,140	*1,340	6.86
GROUND LEVEL	kg			*2,750	1,940	*2,050	1,420	*1,600	1,110	*1,300	6.68
-1.0	kg	*2,560	*2,560	*2,510	1,930	*1,900	1,410	*1,420	1,110	*1,210	6.32
-2.0	kg	*2,620	*2,620	*2,040	1,950	*1,530	1,430			*1,060	5.72

STANDARD EQUIPMENT

ENGINE SYSTEM	CAB	ELECTRICAL SYSTEM
Overheating protection	Emergency escape window for the cab	Warning Alarms: Engine oil pressure, low fuel level, clogged air filter, overheating, lift overload, maintenance reminder, etc.
Low oil pressure protection	Emergency hammer	Electric horn
Fuel level sensor	Pilot cut-off rod	Negative pole switch
Two-stage dry air filter (inner filter element + outer filter element)	Fire extinguisher bracket	Display: Operating mode, operating hours, water temperature, fuel level, rearview monitoring, fault codes, operating status, etc.
Dual-core air filter with integrated pre-filter	Washable floor mat	Bluetooth functionality
Two-stage fuel filtration system	12 V power switch	Flexible radio antenna
Fuel pre-filter with oil-water separation and moisture detection capability	Storage box	Data diagnostic interface
Air filter clogging alarm	Drink holder (cup holder)	Self-diagnostic system
Coolant level visible from ground level	Clothes hook	Intermittent front windshield wiper
Coolant sampling port	Document pouch or file box	Wipers with adjustable intermittent timing
Radiator assembly dust screen	Storage rack	Two speakers
Fuel shut-off valve	Walking pedal with handle	Power mode (Heavy load, Standard, Fuel economy)
Diesel tank drainable (with drain valve)	Clock (display)	Maintenance-free battery
Washable diesel tank	Sliding window glass positioning lock	Multilingual
Oil dipstick with locking function	Positive pressure cab	Left boom working light
Removable radiator guard	Cab door sliding window	Right boom working light
HYDRAULIC SYSTEM	Floor drain hole	
Reverse parking brake function	Footrest for resting	
Bucket arm and stick settlement locks valve	Front dome light + left dome light mounting plate	
Walking parking brake function	Mechanical suspension seat + 2-inch (51 mm) black non-retractable seatbelt	
Pilot accumulator	REVOLVING FRAME	
Reverse rotation prevention function	Front platform grease fitting (grease reservoir)	UNDERCARRIAGE & STRUCTURES
Walking auto shift	Unified key	Transportation fixing holes for walking frame
Main pump pressure test port	Firewall between engine compartment and main pump compartment	Centralized greasing system for slewing bearings (raceway)
Hydraulic oil level visible	Welded crash beam	Reinforced undercarriage base plate
Hydraulic oil replacement cycle	Platform reinforced bottom sealing plate	Reinforced travel motor cover
Master control valve standby valve	IMPLEMENT & BUCKET	Heavy-duty track guard
TECHNOLOGY	Manual centralized lubrication	Heavy-duty track roller
Telematics system	Bucket pin dust seal	Heavy-duty undercarriage
	Standard boom	Three-ribbed track
	Standard arm	Traction hole

OPTIONAL EQUIPMENT

ATTACHMENT	HYDRAULIC SYSTEM	OPERATOR STATION
Reinforced undercovers	Hydraulic hammer return oil filtration	Heated and ventilated suspension seat
LED light bars on the front and rear of the cab		
Operation protection guard (includes cab front and top guard, bar)		
Bucket cylinder guard		
Short arm		
Two-piece boom		



Guangxi LiuGong Machinery Co., Ltd.

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

Like and follow us:



LG-PB-909F_{CR}-Spec-12P-122025-ENG

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.