LiuGong

952F EXCAVATOR

ALL NEW F-SERIES

Engine	Cummins X12
Net Power	282 kW (378 hp)
Operating Weight	51,000 kg (112,455 lbs)
Bucket Capacity	2.6-3.2 m³ (3.4-4.2 yd³)



TOUGH WORLD. TOUGH EQUIPMENT.

SPECIFICATIONS

OPERATING WEIGHT

51,000 kg (112,455 lbs)

Operating weight includes coolant, lubricants, full fuel tank, cab, standard shoes, boom, arm, bucket and operator 75 kg (165 lbs).

Bucket Capacity	2.6-3.2 m³ (3.4-4.2 yd³)

ENGINE

Description

Cummins EU Stage V, 6-cylinder straight Variable-Geometry Turbocharger (VGT), high pressure common rail, electronically controlled direct injection.
Air cleaner: Cummins direct flow air filter.
Cooling system: Charge air cooler.

Emission rating	EU Stage V
Engine manufacturer	Cummins
Engine model	X12
Aspiration	Variable-Geometry Turbocharger (VGT)
Charged air cooling	Aftercooler
Cooling fan drive	Viscous clutch
Displacement	11.8 L (3.12 gal)
Rated speed	2,100 rpm
Engine output - net (SAE J1349 / ISO 9249)	282 kW (378 hp)
Engine output - rated (SAE J1995 / ISO 14396)	298 kW (400 hp)
Maximum torque	2,034 N·m (1,500 lbf·ft) @ 1,400 rpm
Bore × Stroke	132 × 144 mm (5.2" × 5.7")

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: 5.4 km/h (3.4 mph) Low: 3.2 km/h (2.0 mph)
Gradeability	35°/70%
Max. drawbar pull	386 kN (86,772 lbf)

HYDRAULIC SYSTEM

Main pump

Type	Two variable displacement piston pumps
Maximum flow	2 × 380 L/min (2 × 100 gal/min)

Pilot pump

Type	Gear pump
Maximum flow	15 L/min (4 gal/min)

Relief valve setting

Implement	34.3 / 37.2 MPa (4,975 / 5,394 psi)
Travel circuit	34.3 MPa (4,975 psi)
Slew circuit	32.4 MPa (4,699 psi)
Pilot circuit	3.9 MPa (566 psi)

Hydraulic cylinders

Boom Cylinder – Bore × Stroke	Φ165 × 1,560 mm (Φ6.5" × 5.1")
Arm Cylinder – Bore × Stroke	Φ190 × 1,980 mm (Φ7.5" × 6.6")
Bucket Cylinder – Bore × Stroke	Φ170 × 1,260 mm (Φ6.7" × 4.1")

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	8.5 rpm
Swing torque	191,900 N·m (141,526 lbf·ft)

ELECTRIC SYSTEM

System Voltage	24 V
Batteries	2 x 12 V
Alternator	24 V - 70 A
Start motor	24 V - 7.5 kW

UNDERCARRIAGE

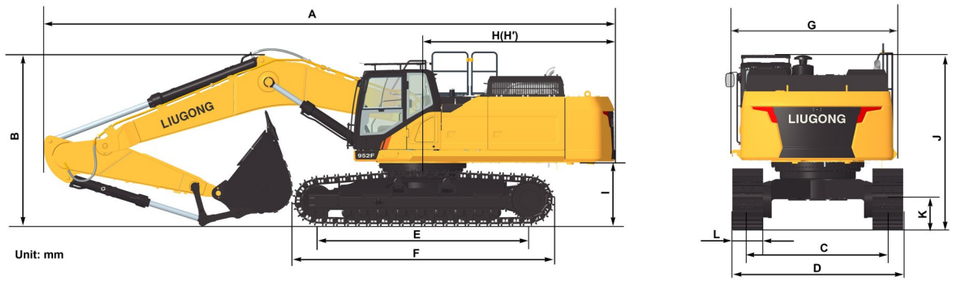
Track shoe each side	50
Link pitch	228 mm (9")
Shoe width, triple grouser	600 / 700 / 800 / 900 mm (24" / 28" / 32" / 35")
Bottom rollers each side	9
Top rollers each side	2

SERVICE CAPACITIES

Fuel tank	700 L (185 gal)
Engine oil	34 L (9 gal)
Final drive (each)	15 L (4 gal)
Swing drive	5.3 × 2 L (1.4 × 2 gal)
Cooling system	50 L (13.2 gal)
Hydraulic reservoir	230 L (60.8 gal)
Hydraulic system total	420 L (111 gal)
DEF tank	65 L (17.2 gal)

SOUND PERFORMANCE

Interior Sound Power Level (ISO 6396)	72 dB(A)
Exterior Sound Power Level (ISO 6395)	107 dB(A)



DIMENSIONS

Boom	7,060 mm (23'2")	6,500 mm (21'4")
Arm Options	2,900 mm (9'6")	2,550 mm (8'4")
A Shipping Length	12,500 mm (41'0")	11,960 mm (39'3")
B Shipping Height – Top of Boom	3,970 mm (13'0") (bucket)	3,735 mm (12'3") (bucket)
C Track Gauge	2,740 mm (8'12")	
D Undercarriage Width– 600 mm (24") shoes	3,340 mm (10'11")	
700 mm (28") shoes	3,440 mm (11'3")	
800 mm (32") shoes	3,540 mm (11'7")	
900 mm (35") shoes	3,640 mm (11'11")	
E Length to Center of Rollers	4,430 mm (14'6")	
F Track Length	5,470 mm (17'11")	
G Overall Width of Upper Structure	3,110 mm (10'2") (including protective side beam)	
H Tail Swing Radius	4,015 mm (13'2")	
I Counterweight Ground Clearance	1,325 mm (4'4")	
J Overall Height of Cab	3,415 mm (11'2") (with protective equipment)	
K Min. Ground Clearance	590 mm (1'8")	
L Track Shoe Width	600 mm (2'0")	







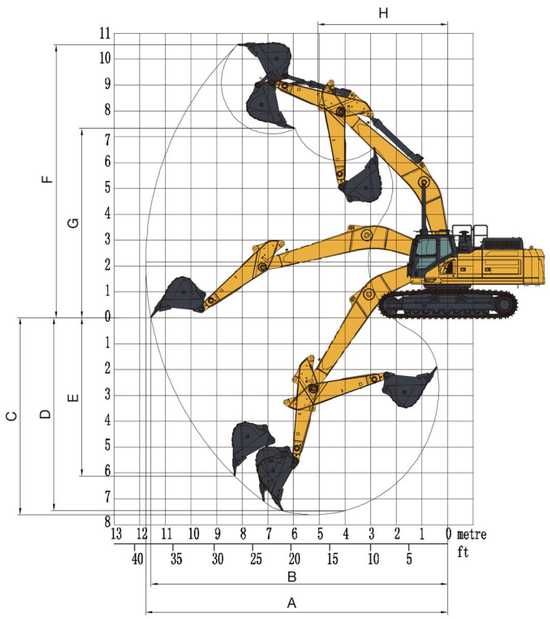


BOOM DIMENSIONS	STANDARD	SHORT BOOM
Boom	7,060 mm (23'2")	6,500 mm (21'4")
Length	7,300 mm (23'11")	6,800 mm (22'4")
Height	1,900 mm (6'3")	2,000 mm (6'7")
Width	1063 mm (3'6") (with boom hinge pin1, 110 mm (4")	
Weight	4,370 kg (9,634 lbs)	4,150 kg (9,149 lbs)

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

ARM DIMENSIONS	STANDARD	SHORT ARM
Arm	2,900 mm (9'6")	2,550 mm (8'4")
Length	4,376 mm (14'4")	3,873 mm (12'9")
Height	1,055 mm (3'6")	1,155 mm (3'9")
Width	600 mm (24") (with hinge pin)	
Weight	1,880 kg (4,145 lbs)	1,730 kg (3,814 lbs)

Cylinder, linkage and pin included.



WORKING RANGE			
Boom Length		7,060 mm (23'2")	6,500 mm (21'4")
Arm Length		2,900 mm (9'6")	2,550 mm (8'4")
A. Max. Digging Reach		11,660 mm (38'3")	10,860 mm (35'8")
B. Max. Digging Reach on Ground		11,450 mm (37'7")	10,620 mm (34'10")
C. Max. Digging Depth		7,510 mm (24'8")	6,760 mm (22'2")
D. Max. Digging Depth, 2.44 m (8') Level		7,340 mm (24'1")	6,585 mm (21'7")
E. Max. Vertical Wall Digging Depth		6,060 mm (19'11")	5,080 mm (16'8")
F. Max. Cutting Height		10,500 mm (34'5")	9,965 mm (32'8")
G. Max. Dumping Height		7,400 mm (24'3")	6,915 mm (22'8")
H. Min. Front Swing Radius		5,050 mm (16'7")	4,775 mm (15'8")
Bucket Digging Force (ISO)	Normal	295 kN (66,319 lbf)	280 kN (62,946 lbf)
	Power Boost	315 kN (70,815 lbf)	300 kN (67,443 lbf)
Stick Digging Force (ISO)	Normal	255 kN (57,326 lbf)	265 kN (59,574 lbf)
	Power Boost	270 kN (60,698 lbf)	280 kN (62,947 lbf)
Bucket Capacity		2.6 m³ (3.4 yd³)	3.2 m³ (4.2 yd³)
Bucket Tip Radius		1,883 mm (6'2")	1,985 mm (6'6")

MACHINE WEIGHTS AND GROUND PRESSURE						
Shoe width	Operating weight	Ground pressure	Overall width	Operating weight	Ground pressure	Overall width
	7.06 m (23'2") boom, 2.9 m (9'6") arm, 2.6 m³ (3.4 yd³) bucket, 10,800 kg (16,975 lbs) counterweight (other systems are standard configuration)			6.5 m (21'4") boom, 2.55 m (8'4") arm, 3.2 m³ (4.2 yd³) bucket, 10,800 kg (16,975 lbs) counterweight (other systems are standard configuration)		
600 mm (24")	51,000 kg (112,436 lbs)	85.9 kPa (12.5 psi)	3,340 mm (11'0")	50,800 kg (111,995 lbs)	85.6 kPa (12.4 psi)	3,340 mm (11'0")
700 mm (28")	51,600 kg (113,759 lbs)	86.9 kPa (12.6 psi)	3,440 mm (11'3")	51,400 kg (113,318 lbs)	86.6 kPa (12.6 psi)	3,440 mm (11'3")
800 mm (32")	52,200 kg (115,081 lbs)	87.9 kPa (12.7 psi)	3,540 mm (11'7")	52,000 kg (114,640 lbs)	87.6 kPa (12.7 psi)	3,540 mm (11'7")
900 mm (35")	52,800 kg (116,404 lbs)	88.9 kPa (12.9 psi)	3,640 mm (11'11")	52,600 kg (115,963 lbs)	88.6 kPa (12.8 psi)	3,640 mm (11'11")

BUCKET SELECTION GUIDE						
					7.06 m (23'2") Boom	6.5 m (21'4") Boom
Bucket type	Capacity	Cutting width	Weight	Teeth pcs	2.9 m (9'6") Arm	2.55 m (8'4") Arm
HD Digging Bucket	2.6 m³ (3.4 yd³)	1,710 mm (5'7")	2,600 kg (5,732 lbs)	5	D	NA
General Purpose	2.8 m³ (3.7 yd³)	1,865 mm (6'1")	2,650 kg (5,842 lbs)	5	AB	BC
Heavy Duty	3.2 m³ (4.2 yd³)	2,080 mm (5')	2,910 kg (6,415 lbs)	5	NA	AB

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

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)

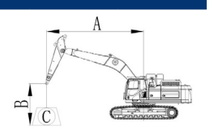
1. Do not attempt to lift or hold any load that is greater than these rated values at their specified load radius and height. Weight of all accessories must be deducted from the above lifting capacities.
2. The rated loads are in compliance with ISO 10567 Hydraulic Excavator Lift Capacity Rating Standard. 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

952F with 600 mm Shoes, 6,500 mm Boom, 2,550 mm Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

Conditions:
Boom length: 6,500 mm
Arm length: 2,550 mm
Bucket: None
counterweight: 10,800 kg
Shoes: 600 mm triple grouser
Unit: kg



A (Unit: m)

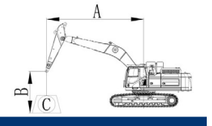
B (m)		3		4.5		6		7.5		MAX REACH		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
7.5	kg									*14,078	12,909	7
6.0	kg					*15,437	*15,437	*13,821	11,486	*13,535	10,351	8.0
4.5	kg			*22,145	*22,145	*16,990	15,461	*14,403	11,198	*13,366	9,285	8.5
3.0	kg			*25,726	21,751	*18,641	14,683	*15,154	10,827	*13,291	8,654	8.8
1.5	kg			*22,508	20,877	*19,670	14,097	*15,664	10,507	*13,316	8,509	8.8
GROUND LEVEL	kg			*25,644	20,726	*19,658	13,807	*15,579	10,322	*13,414	8,819	8.5
-1.5	kg	*22,392	*22,392	*23,383	20,868	*18,460	13,785	*14,486	10,322	*13,152	9,552	8.0
-3.0	kg	*22,693	*22,693	*19,667	*19,667	*15,699	14,019			*12,521	11,315	7.1
-4.5	kg			*13,323	*13,323					*10,304	*10,304	5.7

LIFTING CAPACITY

952F with 24" Shoes, 21'4" Boom, 8'4" Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

Conditions
Boom length: 21'4"
Arm length: 8'4"
Bucket: None
counterweight: 23,810 lbs
Shoes: 24" triple grouser
Unit: lbs



A (Unit: ft)

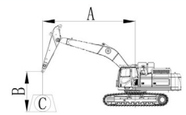
B (ft)		10		15		20		25		MAX REACH		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
25	lbs									*31,037	28,459	23
20	lbs					*34,032	*34,032	*30,470	25,323	*29,840	22,821	26.0
15	lbs			*48,820	*48,820	*37,457	34,087	*31,754	24,688	*29,467	20,470	28.0
10	lbs			*56,716	47,954	*41,096	32,371	*33,408	23,870	*29,302	19,078	29.0
5	lbs			*49,623	46,027	*43,366	31,078	*34,532	23,164	*29,357	18,759	29.0
GROUND LEVEL	lbs			*56,534	45,694	*43,339	30,438	*34,347	22,755	*29,573	19,442	28.0
-5	lbs	*49,366	*49,366	*51,551	46,005	*40,698	30,391	*31,937	22,756	*28,996	21,059	26.0
-10	lbs	*50,030	*50,030	*43,359	*43,359	*34,610	30,907			*27,604	24,945	23.0
-15	lbs			*29,373	*29,373					*22,716	*22,716	19.0

LIFTING CAPACITY

952F with 700 mm Shoes, 6,500 mm Boom, 2,550 mm Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

Conditions
Boom length: 6,500 mm
Arm length: 2,550 mm
Bucket: None
counterweight: 10,800 kg
Shoes: 700 mm triple grouser
Unit: kg



A (Unit: m)

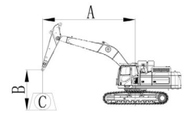
B (m)		3		4.5		6		7.5		MAX REACH		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
7.5	kg									*14,078	13,122	7
6.0	kg					*15,437	*15,437	*13,821	11,682	*13,535	10,532	8.0
4.5	kg			*22,145	*22,145	*16,990	15,722	*14,403	11,394	*13,366	9,452	8.5
3.0	kg			*25,726	22,140	*18,641	14,944	*15,154	11,023	*13,291	8,814	8.8
1.5	kg			*22,508	21,266	*19,670	14,357	*15,664	10,702	*13,316	8,670	8.8
GROUND LEVEL	kg			*25,644	21,115	*19,658	14,067	*15,579	10,517	*13,414	8,986	8.5
-1.5	kg	*22,392	*22,392	*23,383	21,257	*18,460	14,045	*14,486	10,517	*13,152	9,733	8.0
-3.0	kg	*22,693	*22,693	*19,667	*19,667	*15,699	14,279			*12,521	11,524	7.1
-4.5	kg			*13,323	*13,323					*10,304	*10,304	5.7

LIFTING CAPACITY

952F with 28" Shoes, 21'4" Boom, 8'4" Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

Conditions
Boom length: 21'4"
Arm length: 8'4"
Bucket: None
counterweight: 23,810 lbs
Shoes: 28" triple grouser
Unit: lbs



A (Unit: ft)

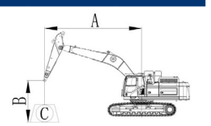
B (ft)		10		15		20		25		MAX REACH		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
25	lbs									*31,037	28,929	23
20	lbs					*34,032	*34,032	*30,470	25,754	*29,840	23,219	26.0
15	lbs			*48,820	*48,820	*37,457	34,660	*31,754	25,119	*29,467	20,839	28.0
10	lbs			*56,716	48,811	*41,096	32,945	*33,408	24,301	*29,302	19,432	29.0
5	lbs			*49,623	46,884	*43,366	31,651	*34,532	23,595	*29,357	19,113	29.0
GROUND LEVEL	lbs			*56,534	46,551	*43,339	31,012	*34,347	23,186	*29,573	19,811	28.0
-5	lbs	*49,366	*49,366	*51,551	46,863	*40,698	30,965	*31,937	23,186	*28,996	21,457	26.0
-10	lbs	*50,030	*50,030	*43,359	*43,359	*34,610	31,480			*27,604	25,407	23.0
-15	lbs			*29,373	*29,373					*22,716	*22,716	19.0

LIFTING CAPACITY

952F with 800 mm Shoes, 6,500 mm Boom, 2,550 mm Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

Conditions:
Boom length: 6,500 mm
Arm length: 2,550 mm
Bucket: None
counterweight: 10,800 kg
Shoes: 800 mm triple grouser
Unit: kg



A (Unit: m)

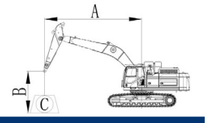
B (m)		3		4.5		6		7.5		MAX REACH		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
7.5	kg									*14,078	13,335	7
6.0	kg					*15,437	*15,437	*13,821	11,877	*13,535	10,712	8.0
4.5	kg			*22,145	*22,145	*16,990	15,982	*14,403	11,589	*13,366	9,620	8.5
3.0	kg			*25,726	22,529	*18,641	15,204	*15,154	11,218	*13,291	8,975	8.8
1.5	kg			*22,508	21,655	*19,670	14,617	*15,664	10,898	*13,316	8,830	8.8
GROUND LEVEL	kg			*25,644	21,504	*19,658	14,327	*15,579	10,713	*13,414	9,154	8.5
-1.5	kg	*22,392	*22,392	*23,383	21,646	*18,460	14,305	*14,486	10,713	*13,152	9,913	8.0
-3.0	kg	*22,693	*22,693	*19,667	*19,667	*15,699	14,539			*12,521	11,734	7.1
-4.5	kg			*13,323	*13,323					*10,304	*10,304	5.7

LIFTING CAPACITY

952F with 32" Shoes, 21'4" Boom, 8'4" Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

Conditions
Boom length: 21'4"
Arm length: 8'4"
Bucket: None
counterweight: 23,810 lbs
Shoes: 32" triple grouser
Unit: lbs



A (Unit: ft)

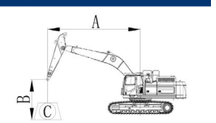
B (ft)		10		15		20		25		MAX REACH		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
25	lbs									*31,037	29,399	23
20	lbs					*34,032	*34,032	*30,470	26,185	*29,840	23,617	26.0
15	lbs			*48,820	*48,820	*37,457	35,234	*31,754	25,549	*29,467	21,209	28.0
10	lbs			*56,716	49,669	*41,096	33,519	*33,408	24,732	*29,302	19,787	29.0
5	lbs			*49,623	47,742	*43,366	32,225	*34,532	24,026	*29,357	19,468	29.0
GROUND LEVEL	lbs			*56,534	47,409	*43,339	31,586	*34,347	23,617	*29,573	20,181	28.0
-5	lbs	*49,366	*49,366	*51,551	47,720	*40,698	31,538	*31,937	23,617	*28,996	21,855	26.0
-10	lbs	*50,030	*50,030	*43,359	*43,359	*34,610	32,054			*27,604	25,868	23.0
-15	lbs			*29,373	*29,373					*22,716	*22,716	19.0

LIFTING CAPACITY

952F with 900 mm Shoes, 6,500 mm Boom, 2,550 mm Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

Conditions
Boom length: 6,500 mm
Arm length: 2,550 mm
Bucket: None
counterweight: 10,800 kg
Shoes: 900 mm triple grouser
Unit: kg



A (Unit: m)

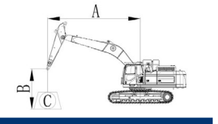
B (m)		3		4.5		6		7.5		MAX REACH		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
7.5	kg									*14,078	13,548	7
6.0	kg					*15,437	*15,437	*13,821	12,073	*13,535	10,893	8.0
4.5	kg			*22,145	*22,145	*16,990	16,242	*14,403	11,784	*13,366	9,788	8.5
3.0	kg			*25,726	22,918	*18,641	15,464	*15,154	11,414	*13,291	9,136	8.8
1.5	kg			*22,508	22,044	*19,670	14,877	*15,664	11,093	*13,316	8,991	8.8
GROUND LEVEL	kg			*25,644	21,893	*19,658	14,587	*15,579	10,908	*13,414	9,321	8.5
-1.5	kg	*22,392	*22,392	*23,383	22,035	*18,460	14,566	*14,486	10,908	*13,152	10,094	8.0
-3.0	kg	*22,693	*22,693	*19,667	*19,667	*15,699	14,800			*12,521	11,943	7.1
-4.5	kg			*13,323	*13,323					*10,304	*10,304	5.7

LIFTING CAPACITY

952F with 35" Shoes, 21'4" Boom, 8'4" Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

Conditions
Boom length: 21'4"
Arm length: 8'4"
Bucket: None
counterweight: 23,810 lbs
Shoes: 35" triple grouser
Unit: lbs



A (Unit: ft)

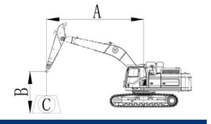
B (ft)		10		15		20		25		MAX REACH		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
25	lbs									*31,037	29,869	23
20	lbs					*34,032	*34,032	*30,470	26,616	*29,840	24,015	26.0
15	lbs			*48,820	*48,820	*37,457	35,807	*31,754	25,980	*29,467	21,578	28.0
10	lbs			*56,716	50,526	*41,096	34,092	*33,408	25,163	*29,302	20,141	29.0
5	lbs			*49,623	48,599	*43,366	32,798	*34,532	24,457	*29,357	19,822	29.0
GROUND LEVEL	lbs			*56,534	48,266	*43,339	32,159	*34,347	24,048	*29,573	20,550	28.0
-5	lbs	*49,366	*49,366	*51,551	48,578	*40,698	32,112	*31,937	24,048	*28,996	22,253	26.0
-10	lbs	*50,030	*50,030	*43,359	*43,359	*34,610	32,628			*27,604	26,330	23.0
-15	lbs			*29,373	*29,373					*22,716	*22,716	19.0

LIFTING CAPACITY

952F with 600 mm Shoes, 7,060 mm Boom, 2,900 mm Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

Conditions:
Boom length: 7,060 mm
Arm length: 2,900 mm
Bucket: None
counterweight: 10,800 kg
Shoes: 600 mm triple grouser
Unit: kg



A (Unit: m)

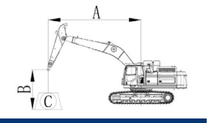
B (m)		3		4.5		6		7.5		9		MAX REACH		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
9.0	kg											*12,829	*12,829	6.9
7.5	kg							*12,312	11,824			*12,143	10,415	8.1
6.0	kg							*12,751	11,600			*11,869	8,881	8.9
4.5	kg			*21,759	*21,759	*16,295	15,383	*13,607	11,202	*12,066	8,585	*11,789	8,028	9.4
3.0	kg					*18,105	14,522	*14,543	10,761	*12,465	8,373	*11,760	7,520	9.7
1.5	kg					*19,255	13,894	*15,235	10,389	*12,750	8,176	11,719	7,399	9.7
GROUND LEVEL	kg					*19,428	13,583	*15,424	10,158	*12,671	8,055	*12,002	7,630	9.4
-1.5	kg			*23,490	20,534	*18,628	13,527	*14,898	10,091			*11,818	8,068	9
-3.0	kg	*24,072	*24,072	*20,710	*20,710	*16,762	13,679	*13,296	10,211			*11,582	9,182	8.2
-4.5	kg	*18,555	*18,555	*16,337	*16,337	*13,238	*13,238					*10,685	*10,685	7

LIFTING CAPACITY

952F with 24" Shoes, 23'2" Boom, 9'6" Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

Conditions
Boom length: 23'2"
Arm length: 9'6"
Bucket: None
counterweight: 23,810 lbs
Shoes: 24" triple grouser
Unit: lbs



A (Unit: ft)

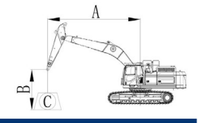
B (ft)		10.0		15		20		25		30		MAX REACH		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
30	lbs											*28,284	*28,284	23
25	lbs							*27,144	26,068			*26,770	22,961	27
20	lbs							*28,112	25,574			*26,167	19,578	29
15	lbs			*47,970	*47,970	*35,924	33,913	*29,998	24,697	*26,601	18,926	*25,989	17,699	31
10	lbs					*39,914	32,015	*32,061	23,724	*27,480	18,459	*25,927	16,580	32
5	lbs					*42,450	30,631	*33,588	22,904	*28,108	18,026	25,837	16,311	32
GROUND LEVEL	lbs					*42,830	29,945	*34,003	22,394	*27,935	17,759	*26,460	16,822	31
-5	lbs			*51,787	45,270	*41,067	29,823	*32,843	22,246			*26,053	17,788	30
-10	lbs	*53,069	*53,069	*45,658	*45,658	*36,955	30,156	*29,312	22,511			*25,535	20,242	27
-15	lbs	*40,906	*40,906	*36,017	*36,017	*29,186	*29,186					*23,555	*23,555	23

LIFTING CAPACITY

952F with 700 mm Shoes, 7,060 mm Boom, 2,900 mm Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

Conditions
Boom length: 7,060 mm
Arm length: 2,900 mm
Bucket: None
counterweight: 10,800 kg
Shoes: 700 mm triple grouser
Unit: kg



A (Unit: m)

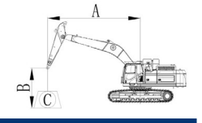
B (m)		3		4.5		6		7.5		9		MAX REACH		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
9.0	kg											*12,829	*12,829	6.9
7.5	kg							*12,312	12,020			*12,143	10,592	8.1
6.0	kg							*12,751	11,796			*11,869	9,039	8.9
4.5	kg			*21,759	*21,759	*16,295	15,643	*13,607	11,398	*12,066	8,741	*11,789	8,177	9.4
3.0	kg					*18,105	14,782	*14,543	10,956	*12,465	8,530	*11,760	7,664	9.7
1.5	kg					*19,255	14,154	*15,235	10,585	*12,750	8,333	*11,823	7,542	9.7
GROUND LEVEL	kg					*19,428	13,843	*15,424	10,353	*12,671	8,212	*12,002	7,779	9.4
-1.5	kg			*23,490	20,923	*18,628	13,787	*14,898	10,286			*11,818	8,225	9
-3.0	kg	*24,072	*24,072	*20,710	*20,710	*16,762	13,939	*13,296	10,406			*11,582	9,357	8.2
-4.5	kg	*18,555	*18,555	*16,337	*16,337	*13,238	*13,238					*10,685	*10,685	7

LIFTING CAPACITY

952F with 28" Shoes, 23'2" Boom, 9'6" Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

Conditions
Boom length: 23'2"
Arm length: 9'6"
Bucket: None
counterweight: 23,810 kg
Shoes: 28" triple grouser
Unit: lbs



A (Unit: ft)

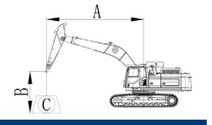
B (ft)		10.0		15		20		25		30		MAX REACH		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
30	lbs											*28,284	*28,284	23
25	lbs							*27,144	26,499			*26,770	23,352	27
20	lbs							*28,112	26,005			*26,167	19,928	29
15	lbs			*47,970	*47,970	*35,924	34,487	*29,998	25,128	*26,601	19,271	*25,989	18,027	31
10	lbs					*39,914	32,589	*32,061	24,155	*27,480	18,804	*25,927	16,895	32
5	lbs					*42,450	31,205	*33,588	23,335	*28,108	18,371	*26,066	16,627	32
GROUND LEVEL	lbs					*42,830	30,519	*34,003	22,825	*27,935	18,104	*26,460	17,149	31
-5	lbs			*51,787	46,127	*41,067	30,396	*32,843	22,677			*26,053	18,133	30
-10	lbs	*53,069	*53,069	*45,658	*45,658	*36,955	30,730	*29,312	22,942			*25,535	20,628	27
-15	lbs	*40,906	*40,906	*36,017	*36,017	*29,186	*29,186					*23,555	*23,555	23

LIFTING CAPACITY

952F with 800 mm Shoes, 7,060 mm Boom, 2,900 mm Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

Conditions:
Boom length: 7,060 mm
Arm length: 2,900 mm
Bucket: None
counterweight: 10,800 kg
Shoes: 800 mm triple grouser
Unit: kg



A (Unit: m)

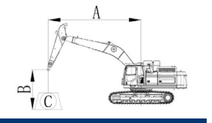
B (m)		3		4.5		6		7.5		9		MAX REACH		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
9.0	kg											*12,829	*12,829	6.9
7.5	kg							*12,312	12,215			*12,143	10,770	8.1
6.0	kg							*12,751	11,991			*11,869	9,198	8.9
4.5	kg			*21,759	*21,759	*16,295	15,903	*13,607	11,593	*12,066	8,898	*11,789	8,326	9.4
3.0	kg					*18,105	15,042	*14,543	11,152	*12,465	8,686	*11,760	7,807	9.7
1.5	kg					*19,255	14,415	*15,235	10,780	*12,750	8,489	*11,823	7,685	9.7
GROUND LEVEL	kg					*19,428	14,103	*15,424	10,549	*12,671	8,368	*12,002	7,927	9.4
-1.5	kg			*23,490	21,312	*18,628	14,048	*14,898	10,482			*11,818	8,381	9
-3.0	kg	*24,072	*24,072	*20,710	*20,710	*16,762	14,199	*13,296	10,602			*11,582	9,532	8.2
-4.5	kg	*18,555	*18,555	*16,337	*16,337	*13,238	*13,238					*10,685	*10,685	7

LIFTING CAPACITY

952F with 32" Shoes, 23'2" Boom, 9'6" Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

Conditions
Boom length: 23'2"
Arm length: 9'6"
Bucket: None
counterweight: 23,810 lbs
Shoes: 32" triple grouser
Unit: lbs



A (Unit: ft)

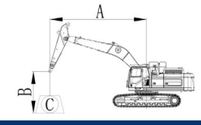
B (ft)		10.0		15		20		25		30		MAX REACH		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
30	lbs											*28,284	*28,284	23
25	lbs							*27,144	26,499			*26,770	23,352	27
20	lbs							*28,112	26,005			*26,167	19,928	29
15	lbs			*47,970	*47,970	*35,924	34,487	*29,998	25,128	*26,601	19,271	*25,989	18,027	31
10	lbs					*39,914	32,589	*32,061	24,155	*27,480	18,804	*25,927	16,895	32
5	lbs					*42,450	31,205	*33,588	23,335	*28,108	18,371	*26,066	16,627	32
GROUND LEVEL	lbs					*42,830	30,519	*34,003	22,825	*27,935	18,104	*26,460	17,149	31
-5	lbs			*51,787	46,127	*41,067	30,396	*32,843	22,677			*26,053	18,133	30
-10	lbs	*53,069	*53,069	*45,658	*45,658	*36,955	30,730	*29,312	22,942			*25,535	20,628	27
-15	lbs	*40,906	*40,906	*36,017	*36,017	*29,186	*29,186					*23,555	*23,555	23

LIFTING CAPACITY

952F with 900 mm Shoes, 7,060mm Boom, 2,900 mm Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rated loads over front
Cs: Rated loads over side

Conditions
Boom length: 7,060 mm
Arm length: 2,900 mm
Bucket: None
counterweight: 10,800 kg
Shoes: 900 mm triple grouser
Unit: kg



A (Unit: m)

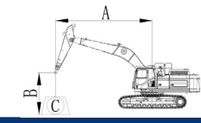
B (m)		3		4.5		6		7.5		9		MAX REACH		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (m)
9.0	kg											*12,829	*12,829	6.9
7.5	kg							*12,312	*12,312			*12,143	10,948	8.1
6.0	kg							*12,751	12,187			*11,869	9,357	8.9
4.5	kg			*21,759	*21,759	*16,295	16,163	*13,607	11,789	*12,066	9,054	*11,789	8,474	9.4
3.0	kg					*18,105	15,302	*14,543	11,347	*12,465	8,843	*11,760	7,950	9.7
1.5	kg					*19,255	14,675	*15,235	10,976	*12,750	8,646	*11,823	7,828	9.7
GROUND LEVEL	kg					*19,428	14,363	*15,424	10,744	*12,671	8,525	*12,002	8,076	9.4
-1.5	kg			*23,490	21,701	*18,628	14,308	*14,898	10,677			*11,818	8,538	9
-3.0	kg	*24,072	*24,072	*20,710	*20,710	*16,762	14,459	*13,296	10,797			*11,582	9,707	8.2
-4.5	kg	*18,555	*18,555	*16,337	*16,337	*13,238	*13,238					*10,685	*10,685	7

LIFTING CAPACITY

952F with 35" Shoes, 23'2" Boom, 9'6" Arm

A: Load radius
B: Load point height
C: Lifting capacity rating
Cf: Rating loads over front
Cs: Rating loads over side or 360°

Conditions
Boom length: 23'2"
Arm length: 9'6"
Bucket: None
counterweight: 23,814 lbs
Shoes: 35" triple grouser
Unit: lbs



A (Unit: ft)

B (ft)		10.0		15		20		25		30		MAX REACH		
		Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	Cf	Cs	A (ft)
30	lbs											*28,284	*28,284	23
25	lbs							*27,144	*27,144			*26,770	24,136	27
20	lbs							*28,112	26,867			*26,167	20,628	29
15	lbs			*47,970	*47,970	*35,924	35,634	*29,998	25,990	*26,601	19,961	*25,989	18,682	31
10	lbs					*39,914	33,736	*32,061	25,016	*27,480	19,495	*25,927	17,527	32
5	lbs					*42,450	32,352	*33,588	24,197	*28,108	19,061	*26,066	17,258	32
GROUND LEVEL	lbs					*42,830	31,666	*34,003	23,687	*27,935	18,794	*26,460	17,805	31
-5	lbs			*51,787	47,842	*41,067	31,543	*32,843	23,539			*26,053	18,823	30
-10	lbs	*53,069	*53,069	*45,658	*45,658	*36,955	31,877	*29,312	23,803			*25,535	21,400	27
-15	lbs	*40,906	*40,906	*36,017	*36,017	*29,186	*29,186					*23,555	*23,555	23

STANDARD EQUIPMENT

ENGINE SYSTEM

- Cummins X12 engine ■
- Engine overheat prevention system ■
- Auto-idle speed control ■
- Auto engine shutdown ■
- Double element air filter ■
- Fuel pre-filter with water separator and water detection ■
- Variable speed fan ■
- Cold starting kit (-20° C) ■
- Engine oil low pressure protection ■
- Automatic preheating ■
- Electric refueling pump with auto shutoff ■

HYDRAULIC SYSTEM

- Full electronic controlled hydraulic system ■
- Boom and arm holding valves ■
- Monitor controlled eletro-proportional single/dual way circuits with adjustable flow & pressure ■
- Boom float function ■

OPERATOR STATION

- ROPS cab ■
- Front lower windshield ■
- Roof window with sun visor ■
- Heated air suspension seat ■
- 3-inch retractable seat belt ■
- Armrest with fore-aft adjustment, left-hand and right-hand side ■
- 8-inch LCD screen ■
- Fire extinguisher ■
- Safety hammer ■
- Green safety glass ■
- Sliding window positioning ■
- Interior lighting ■

ELECTRICAL SYSTEM

- 3-power modes (Power, Standard, and Economy) ■
- Front windshield wiper with intermittent setting ■
- AM/FM radio with USB Input and bluetooth ■

- Battery disconnect switch ■
- Emergency engine shutdown ■
- Attachment flow password protection function ■
- Attachment flow and pressure history record ■
- Maintenance-free batteries ■
- Multi-language selection ■
- Plateau mode function ■
- Travel alarm, swing alarm, overload warning and quick coupler warning. ■
- Keyless start ■
- Rotating warning light ■
- Machine startup password ■
- 2-speed travel with auto-shift ■
- 12V power source ■
- 360° camera ■
- Work lights with turn-off delay (4 boom lights, 2 counterweight lights, LED front and rear work lights – 4 front, 2 rear and right-side platform worklight) ■

UNDERCARRIAGE

- 600 mm (24") track-shoes with triple grousers ■
- Track rollers- 9 each side ■
- Carrier roller- 2 each side ■
- Heavy duty undercarriage ■

WORK IMPLEMENT

- 7,060 mm (23'2") boom, 2,900 mm (9'6") arm ■
- Bucket pin dust seal ■
- Bucket cylinder guard ■

AIR CONDITIONING SYSTEM

- Automatic A/C with defoging function ■

SERVICE AND MAINTENANCE

- Tool kit ■
- Spare parts packages ■
- Diagnostic port ■
- Self diagnostic system ■

OPTIONAL EQUIPMENT

ENGINE SYSTEM

Cold starting kit (-35° C)	▣
Oil bath air pre-filter	▣

HYDRAULIC SYSTEM

Electro-proportional auxiliary rotation circuit	▣
Quick-coupler circuit	▣
Attachment oil Return circuit	▣

OPERATOR STATION

OPG	▣
Roof window	▣
Sun visor	▣
Front window rain visor	▣
Adjustable armrest, left-side	▣

ELECTRICAL SYSTEM

Seatbelt warning	▣
LED strips front/rear working lights	▣

UNDERCARRIAGE

700 mm (28") track with triple grouser track shoes	▣
800 mm (32") track with triple grouser track shoes	▣
900 mm (35") track with triple grouser track shoes	▣
Full Track guard	▣

UPPER STRUCTURE

Platform fall prevention system-steel	▣
Reinforced platform bottom plate	▣

WORK IMPLEMENT

6,500 mm (21'3") boom, 2,550 mm (8'4") arm	▣
7,060 mm (23'2") boom, 3,380 mm (11'1") arm	▣

ATTACHMENT

Hydraulic quick coupler	▣
Breaking hammer LGB195	▣
2.2 m³ (2.9yd³) digging bucket	▣
2.6 m³ (3.4yd³) HD digging bucket	▣
2.8 m³ (3.7yd³) GP bucket	▣
3.2 m³ (4.2yd³) HD loading bucket	▣

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