

190GW FT4 Wheeled Excavators

20-Aug-2020

Code	Description	Qty	List Price(USD)
7391FF	190GW FT4 Wheeled Excavators	1	\$338,597.00

Option Codes

170C	JDLink Ultimate - 5 Year Subscription	1	No Added Cost
5470	Front Blade & Rear Outriggers	1	No Added Cost
6835	Mono Boom	1	No Added Cost

Field Installed Attachments

BYT1115			
9	36 In (914 mm), 0.91 yd3 (0.69 M3) Heavy-Duty Bucket	1	\$5,775.00

Total **\$344,372.00**

Manufacturer's Suggested List Price shown. Retail prices may vary by dealer. Unless stated otherwise, taxes, freight, setup, delivery and other dealer specific charges not included in the pricing. Options/items noted with anything other than price will have additional costs. Pricing, availability, and specifications subject to change without notice. Special program pricing may be available on certain models. See dealer for details. Prices shown are in U.S. dollars and valid only in the U.S.



190G W SPECIFICATIONS

Engine		190G W	
Manufacturer and Model	Isuzu 4HK1XASA13A		
Non-Road Emission Standard	EPA Final Tier 4/EU Stage IV		
Net Peak Power (ISO 9249)	129 kW (173 hp) at 1,800 rpm		
Cylinders	4		
Displacement	5.2 L (317 cu. in.)		
Off-Level Capacity	70% (35 deg.)		
Aspiration	Turbocharged, air-to-air charge-air cooler		
Cooling			
Cool-on-demand hydraulic-driven, suction-type fan with remote-mounted drive and enclosed fan guard; side-by-side-by-side radiator, oil cooler, and intercooler with dust net			
Powertrain			
2-speed propel with creeper mode and automatic shift			
Maximum Travel Speed			
Creep	2.6 km/h (1.6 mph)		
Low	8.6 km/h (5.3 mph)		
High	35.0 km/h (21.7 mph)		
Drawbar Pull	9534 kg (21,020 lb.)		
Brakes	Maintenance-free wet-disc brakes on front and rear axles; fully hydraulic service brakes		
Tires	Standard size, dual-traction-type 10.00-20 16PR tires		
Front Axle	All-wheel drive; can be locked hydraulically in any position		
Hydraulics			
Main Pumps	2 variable-displacement axial-piston pumps		
Maximum Rated Flow x 2	236 L/min. (62 gpm)		
Pilot Pump	1 gear		
Maximum Rated Flow	30 L/m (8 gpm)		
Pressure Setting	4700 kPa (682 psi)		
System Operating Pressure			
Implement Circuits	34 300 kPa (4,975 psi)		
Travel Circuits	34 800 kPa (5,047 psi)		
Swing Circuits	33 400 kPa (4,844 psi)		
Power Boost	36 300 kPa (5,265 psi)		
Controls	Pilot levers, short stroke, low-effort hydraulic pilot controls with shutoff lever		
Cylinders			
	<i>Bore</i>	<i>Rod Diameter</i>	<i>Stroke</i>
Monoblock Boom (2)	120 mm (4.7 in.)	85 mm (3.3 in.)	1050 mm (41.3 in.)
2-Piece Boom (2)	120 mm (4.7 in.)	85 mm (3.3 in.)	980 mm (38.6 in.)
Positioning, 2-Piece Boom (2)	170 mm (6.7 in.)	105 mm (4.1 in.)	670 mm (26.4 in.)
Arm (1)	125 mm (4.9 in.)	90 mm (3.5 in.)	1371 mm (54.0 in.)
Bucket (1)	105 mm (4.1 in.)	75 mm (3.0 in.)	1060 mm (41.7 in.)

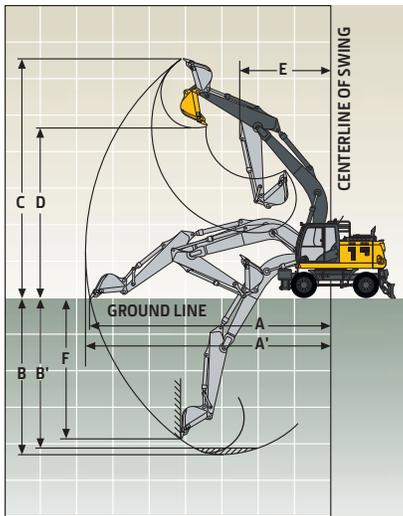
190G W SPECIFICATIONS



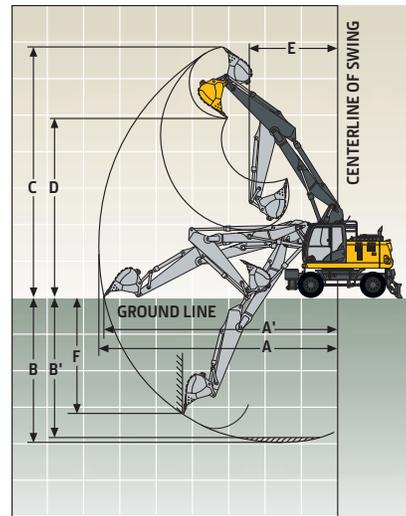
Electrical		190G W
Number of Batteries (12 volt)		2
Battery Capacity		925 CCA
Alternator Rating		50 amp
Worklights		1 on boom left, 2 on top of cab front, and 1 on top of cab rear
Driving Lights		Headlights (2), turn signals and hazard lights, LED brake lights, and side marker lights
Swing Mechanism		
Swing Speed		11.5 rpm
Swing Torque		53 000 Nm (39,090 lb.-ft.)
Serviceability		
Refill Capacities		
Fuel Tank		290 L (76.6 gal.)
Coolant System		28 L (7.4 gal.)
Engine Oil with Filter		23 L (6.1 gal.)
Swing Gearbox		6.2 L (1.6 gal.)
Front and Rear Hub Reduction (each)		2.5 L (0.7 gal.)
Hydraulic System		180 L (47.6 gal.)
Hydraulic Tank		100 L (26.4 gal.)
Transmission		2.5 L (2.6 qt.)
Axle		
Front		9.5 L (2.5 gal.)
Rear		14 L (3.7 gal.)
Diesel Exhaust Fluid (DEF) Tank		26 L (6.9 gal.)
Operating Weights		
With 1.38-m ³ (1.81 cu. yd.), 1219-mm (48 in.), 735-kg (1,621 lb.) bucket; 2.71-m (8 ft. 11 in.) arm; 3700-kg (8,157 lb.) counterweight; 2550-mm (8 ft. 4 in.)-wide wheelbase; full fuel tank; and 75-kg (165 lb.) operator		
	<i>Monoblock Boom</i>	<i>2-Piece Boom</i>
Front Blade and Rear Outrigger	19 700 kg (43,431 lb.)	20 200 kg (44,533 lb.)
Front and Rear Outriggers	20 000 kg (44,530 lb.)	20 500 kg (45,300 lb.)
Component Weights		
Undercarriage, Base		
Front Blade and Rear Outrigger	2257 kg (4,976 lb.)	2257 kg (4,976 lb.)
Front and Rear Outriggers	2601 kg (5,734 lb.)	2601 kg (5,734 lb.)
Arm with Bucket Cylinder and Linkage		
2.71-m (8 ft. 11 in.) Arm without Cylinder	570 kg (1,257 lb.)	570 kg (1,257 lb.)
Without Cylinder	1262 kg (2,782 lb.)	1580 kg (3,483 lb.)
Cylinder(s), Total Weight		
Boom Lift (2)	155 kg (342 lb.)	155 kg (342 lb.)
Positioning (1)	309 kg (681 lb.)	309 kg (681 lb.)
Arm (1)	212 kg (467 lb.)	212 kg (467 lb.)
Bucket (1)	127 kg (280 lb.)	127 kg (280 lb.)

190G W

Operating Dimensions	190G W	
With 2.71-m (8 ft. 11 in.) Arm	Monoblock Boom	2-Piece Boom
Arm Digging Force		
ISO	95 kN (21,360 lb.)	95 kN (21,360 lb.)
SAE	91 kN (20,460 lb.)	91 kN (20,460 lb.)
Bucket Digging Force		
ISO	126 kN (28,330 lb.)	126 kN (28,330 lb.)
SAE	113 kN (25,400 lb.)	113 kN (25,400 lb.)
A Maximum Reach	9.58 m (31 ft. 5 in.)	9.48 m (31 ft. 1 in.)
A' Maximum Reach at Ground Level	9.40 m (30 ft. 10 in.)	9.31 m (30 ft. 7 in.)
B Maximum Digging Depth	5.83 m (19 ft. 2 in.)	5.93 m (19 ft. 5 in.)
B' Maximum Digging Depth at 2.44-m (8 ft.) Flat Bottom	5.64 m (18 ft. 6 in.)	5.83 m (19 ft. 2 in.)
C Maximum Cutting Height	9.25 m (30 ft. 4 in.)	9.85 m (32 ft. 4 in.)
D Maximum Dumping Height	6.45 m (21 ft. 2 in.)	6.95 m (22 ft. 10 in.)
E Minimum Swing Radius	3.48 m (11 ft. 5 in.)	3.00 m (9 ft. 10 in.)
F Maximum Vertical Wall	5.26 m (17 ft. 3 in.)	5.03 m (16 ft. 6 in.)



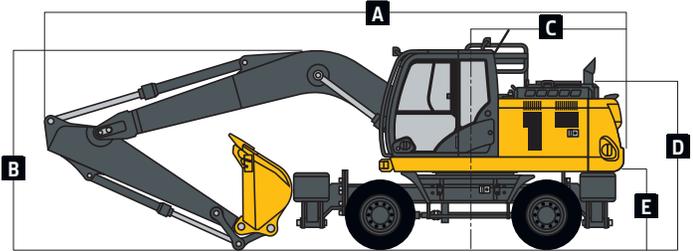
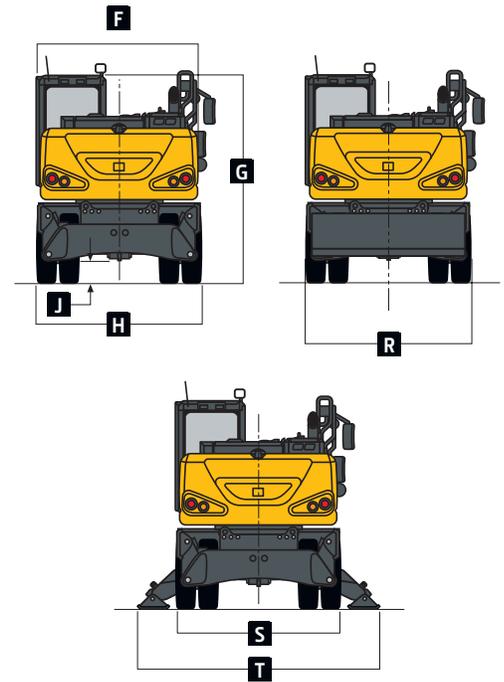
190G W EXCAVATOR WITH MONOBLOCK BOOM



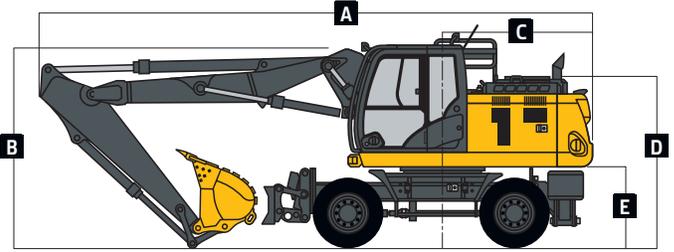
190G W EXCAVATOR WITH 2-PIECE BOOM

Machine Dimensions 190G W

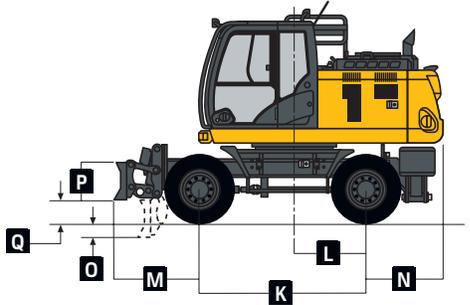
With 2.71-m (8 ft. 11 in.) Arm	Monoblock Boom	2-Piece Boom
A Overall Length		
Front Blade and Rear Outrigger	9.48 m (31 ft. 1 in.)	9.30 m (30 ft. 6 in.)
Front and Rear Outriggers	9.54 m (31 ft. 4 in.)	9.36 m (30 ft. 9 in.)
B Overall Height	3.12 m (10 ft. 3 in.)	3.21 m (10 ft. 6 in.)
C Rear-End Length/Swing Radius	2.32 m (7 ft. 7 in.)	2.32 m (7 ft. 7 in.)
D Engine Cover Height	2.59 m (8 ft. 6 in.)	2.59 m (8 ft. 6 in.)
E Counterweight Clearance	1.22 m (4 ft. 0 in.)	1.22 m (4 ft. 0 in.)
F Overall Width of Upperstructure	2.45 m (8 ft. 0 in.)	2.45 m (8 ft. 0 in.)
G Overall Height of Cab	3.22 m (10 ft. 7 in.)	3.22 m (10 ft. 7 in.)
H Overall Width of Tires	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)
J Minimum Ground Clearance	0.35 m (14 in.)	0.35 m (14 in.)
K Wheelbase	2.65 m (8 ft. 8 in.)	2.65 m (8 ft. 8 in.)
L Swing Center to Rear Axle	1.15 m (3 ft. 9 in.)	1.15 m (3 ft. 9 in.)
M Front Overhang		
Front Blade and Rear Outrigger	1.36 m (4 ft. 6 in.)	1.36 m (4 ft. 6 in.)
Front and Rear Outriggers	1.38 m (4 ft. 6 in.)	1.38 m (4 ft. 6 in.)
N Rear Overhang	1.09 m (3 ft. 7 in.)	1.09 m (3 ft. 7 in.)
O Maximum Blader Lower	0.22 m (9 in.)	0.22 m (9 in.)
P Overall Height of Blade	0.59 m (23 in.)	0.59 m (23 in.)
Q Maximum Blade Raise	0.37 m (15 in.)	0.37 m (15 in.)
R Overall Width of Blade	2.73 m (8 ft. 11 in.)	2.73 m (8 ft. 11 in.)
S Overall Width, Outriggers Retracted	2.45 m (8 ft. 0 in.)	2.45 m (8 ft. 0 in.)
T Overall Width, Outriggers Extended	3.44 m (11 ft. 3 in.)	3.44 m (11 ft. 3 in.)
V Overall Height of Boom, Traveling	4.00 m (13 ft. 1 in.)	4.00 m (13 ft. 1 in.)
W Front Overhang, Traveling	3.33 m (10 ft. 11 in.)	3.33 m (10 ft. 11 in.)



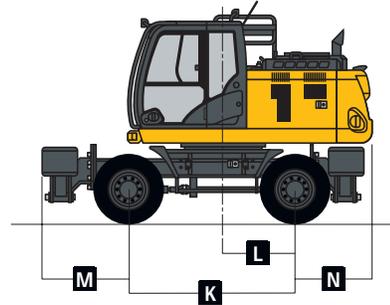
190G W EXCAVATOR WITH MONOBLOCK BOOM



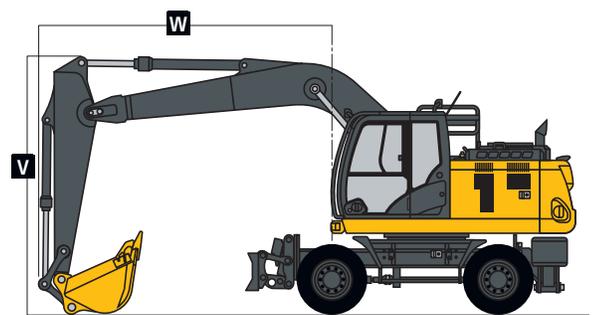
190G W EXCAVATOR WITH 2-PIECE BOOM



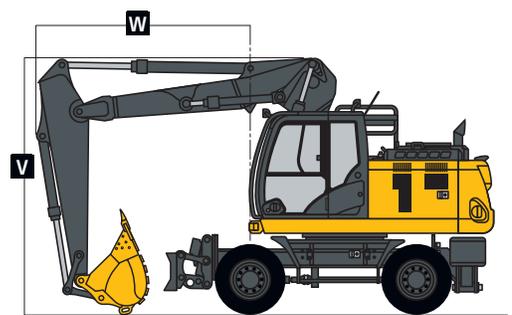
190G W EXCAVATOR WITH FRONT BLADE AND REAR OUTRIGGER



190G W EXCAVATOR WITH FRONT AND REAR OUTRIGGERS



190G W EXCAVATOR WITH MONOBLOCK BOOM (TRAVELING)



190G W EXCAVATOR WITH 2-PIECE BOOM (TRAVELING)

190G W

Lift Capacities

190G W

Boldface type indicates hydraulically limited capacities; lightface type indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 600-kg (1,323 lb.) bucket, 2.71-m (8 ft. 11 in.) arm, wide tires, and standard counterweight; and situated on firm, level, uniform supporting surface, with power boost on. Figures do not exceed 87% of hydraulic capacity or 75% of weight needed to tip machine.

LOAD POINT HEIGHT	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION									
	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
<i>With monoblock boom; front blade and rear outriggers down</i>										
6.0 m (20 ft.)							4270	4270		
							(9,420)	(9,420)		
4.5 m (15 ft.)					6230	6230	5240	4620		
					(13,740)	(13,740)	(11,560)	(10,180)		
3.0 m (10 ft.)					7730	7120	5830	4420	4480	3020
					(17,040)	(15,690)	(12,850)	(9,750)	(9,870)	(6,650)
1.5 m (5 ft.)					8880	6670	6350	4220	5000	2930
					(19,570)	(14,700)	(14,010)	(9,300)	(11,030)	(6,450)
Ground Line			4090	4090	9130	6430	6540	4070	4940	2860
			(9,010)	(9,010)	(20,130)	(14,170)	(14,420)	(8,980)	(10,900)	(6,300)
-1.5 m (-5 ft.)			8190	8190	8500	6360	6170	4020		
			(18,050)	(18,050)	(18,740)	(14,030)	(13,600)	(8,860)		
-3.0 m (-10 ft.)			9380	9380	6980	6430	4900	4070		
			(20,680)	(20,680)	(15,380)	(14,180)	(10,810)	(8,970)		
<i>With monoblock boom; front outriggers and rear outriggers down</i>										
6.0 m (20 ft.)							4270	4270		
							(9,420)	(9,420)		
4.5 m (15 ft.)					6230	6230	5240	5240		
					(13,740)	(13,740)	(11,560)	(11,560)		
3.0 m (10 ft.)					7730	7730	5830	5160	4480	3530
					(17,040)	(17,040)	(12,850)	(11,370)	(9,870)	(7,780)
1.5 m (5 ft.)					8880	7910	6350	4950	5000	3440
					(19,570)	(17,440)	(14,010)	(10,910)	(11,030)	(7,580)
Ground Line			4090	4090	9130	7660	6540	4800	4940	3370
			(9,010)	(9,010)	(20,130)	(16,880)	(14,420)	(10,580)	(10,900)	(7,420)
-1.5 m (-5 ft.)			8190	8190	8500	7590	6170	4740		
			(18,050)	(18,050)	(18,740)	(16,730)	(13,600)	(10,450)		
-3.0 m (-10 ft.)			9380	9380	6980	6980	4900	4790		
			(20,680)	(20,680)	(15,380)	(15,380)	(10,810)	(10,570)		

Lift Capacities (continued) 190G W

Boldface type indicates hydraulically limited capacities; **lightface type** indicates stability-limited capacities, in kg (lb.). Ratings at bucket lift hook; machine equipped with 600-kg (1,323 lb.) bucket, 2.71-m (8 ft. 11 in.) arm, wide tires, and standard counterweight; and situated on firm, level, uniform supporting surface, with power boost on. Figures do not exceed 87% of hydraulic capacity or 75% of weight needed to tip machine.

LOAD POINT HEIGHT	HORIZONTAL DISTANCE FROM CENTERLINE OF ROTATION									
	1.5 m (5 ft.)		3.0 m (10 ft.)		4.5 m (15 ft.)		6.0 m (20 ft.)		7.5 m (25 ft.)	
	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side	Over Front	Over Side
<i>With 2-piece boom; front blade and rear outriggers down</i>										
6.0 m (20 ft.)							3990 (8,790)	3990 (8,790)		
4.5 m (15 ft.)					4770 (10,510)	4770 (10,510)	4290 (9,450)	4290 (9,450)		
3.0 m (10 ft.)			8680 (19,130)	8680 (19,130)	6340 (13,970)	6340 (13,970)	4970 (10,960)	4600 (10,150)	4070 (8,980)	(6,850)
1.5 m (5 ft.)			10 580 (23,330)	10 580 (23,330)	7920 (17,470)	7040 (15,530)	5730 (12,640)	4570 (10,080)	4710 (10,390)	3040 (6,710)
Ground Line	8810 (19,420)	8810 (19,420)	12 700 (28,000)	12 700 (28,000)	8840 (19,490)	7090 (15,630)	6290 (13,860)	4580 (10,090)	4830 (10,640)	2930 (6,470)
-1.5 m (-5 ft.)	14 160 (31,210)	14 160 (31,210)	14 610 (32,210)	14 270 (31,470)	9070 (19,990)	7310 (16,120)	6490 (14,310)	4340 (9,560)		
-3.0 m (-10 ft.)	23 430 (51,650)	23 430 (51,650)	15 050 (33,190)	14 980 (33,020)	9400 (20,730)	6930 (15,280)	5930 (13,080)	4170 (9,190)		

With 2-piece boom; front outriggers and rear outriggers down

6.0 m (20 ft.)							3990 (8,790)	3990 (8,790)		
4.5 m (15 ft.)					4770 (10,510)	4770 (10,510)	4290 (9,450)	4290 (9,450)		
3.0 m (10 ft.)			8680 (19,130)	8680 (19,130)	6340 (13,970)	6340 (13,970)	4970 (10,960)	4970 (10,960)	4070 (8,980)	3620 (7,980)
1.5 m (5 ft.)			10 580 (23,330)	10 580 (23,330)	7920 (17,470)	7920 (17,470)	5730 (12,640)	5190 (11,440)	4710 (10,390)	3560 (7,840)
Ground Line	8810 (19,420)	8810 (19,420)	12 700 (28,000)	12 700 (28,000)	8840 (19,490)	8090 (17,840)	6290 (13,860)	5270 (11,620)	4830 (10,640)	3460 (7,620)
-1.5 m (-5 ft.)	14 160 (31,210)	14 160 (31,210)	14 610 (32,210)	14 610 (32,210)	9070 (19,990)	8310 (18,310)	6490 (14,310)	5080 (11,210)		
-3.0 m (-10 ft.)	23 430 (51,650)	23 430 (51,650)	15 050 (33,190)	15 050 (33,190)	9400 (20,730)	8210 (18,100)	5930 (13,080)	4910 (10,830)		

Buckets

A full line of buckets is offered to meet a wide variety of applications. Digging forces are with power boost. Buckets are equipped with John Deere TK-Series Bucket Teeth standard. Replaceable cutting edges and a variety of teeth are available through John Deere Parts. Optional side cutters add 150 mm (6 in.) to bucket widths. Capacities are SAE heaped ratings.

Type Bucket	Bucket Width		Bucket Capacity		Bucket Weight	
	mm	in.	m ³	cu. yd.	kg	lb.
General Purpose	610	24	0.39	0.5	442	970
	762	30	0.54	0.7	498	1,100
Heavy Duty	914	36	0.69	0.9	561	1,240
	1067	42	0.85	1.1	602	1,330
Ditching	1219	48	1.00	1.3	659	1,450
	1524	60	1.18	1.5	546	1,200

Additional equipment

Key: ● Standard ▲ Optional or special

See your John Deere dealer for further information.

190G Engine	
●	Auto-idle system
●	Automatic belt-tension device
●	Batteries (2 – 12 volt)
●	Coolant recovery tank
●	Dual-element dry-type air filter
●	Electronic engine control
●	Enclosed fan guard (conforms to SAE J1308)
●	Engine coolant to –37 deg. C (–34 deg. F)
●	Fuel filter with water separator
●	Full-flow oil filter
●	Turbocharger with charge-air cooler
●	500-hour engine-oil-change interval
●	Programmable auto-shutdown
Hydraulic System	
●	Reduced-drift valve for boom down, arm in
●	Auxiliary hydraulic valve section
●	Brake valves for travel circuits
●	Individual control of outriggers
●	Hydraulic filter restriction indicator
●	Spring-applied, hydraulically released automatic swing brake
●	Auxiliary hydraulic-flow adjustment through monitor
●	Auto power lift
●	5,000-hour hydraulic-oil-change interval
●	Auxiliary hydraulic lines with hand-controlled proportional control
▲	Control-pattern change valve
Undercarriage	
●	Brakes, 4 wheel, maintenance free, wet disc
●	Creeper speed range
●	Front axle, oscillating, lockable
▲	Front blade and rear outriggers (2)
▲	Outriggers (4)
●	Parking brake
●	Dual traction-type tires, 10.00-20, 16PR with spacer
●	Toolbox on left chassis

190G Upperstructure	
●	Right- and left-hand mirrors
●	Vandal locks with ignition key: Cab door / Fuel cap / Service doors
Front Attachments	
●	6.2-m (20 ft. 4 in.) monoblock boom with 2.71-m (8 ft. 11 in.) arm
▲	Variable-geometry, 2-piece boom with 2.71-m (8 ft. 11 in.) arm
●	Centralized lubrication system
●	Dirt seals on all bucket pins
▲	Buckets: Ditching / General purpose / General-purpose high capacity / Heavy duty / Heavy-duty high capacity / Side cutters and teeth
Operator's Station	
●	Adjustable independent-control positions (levers-to-seat, seat-to-pedals)
●	AM/FM radio
●	Auto climate control/air conditioner with heater and pressurizer
●	Built-in Operator's Manual storage compartment and manual
●	Cell-phone power outlet, 12 volt
●	Coat hook
●	Deluxe suspension cloth seat with 100-mm (4 in.) adjustable armrests
●	Floor mat
●	Front windshield wiper with intermittent speeds
●	Gauges (illuminated): Engine coolant / Fuel level / Speedometer
●	Horn, electric
●	Hour meter, electric
●	Hydraulic shutoff lever, all controls
●	Hydraulic warm-up control
●	Interior light
●	Large cup holder
●	Machine Information Center (MIC)
●	Mode selectors (illuminated): Power modes (3) / Work mode (1)
●	High/low travel mode with creeper range

190G Operator's Station (continued)	
●	Multifunction, color LCD monitor with: Diagnostic capability / Multiple-language capabilities / Maintenance tracking / Clock / In-monitor adjustment of auxiliary pressure and flow / System monitoring with alarm features: Auto-idle indicator, Auto-shutdown indicator, brake pressure audible alarm, engine air cleaner restriction indicator light, engine check, engine coolant temperature indicator light with audible alarm, engine oil pressure indicator light with audible alarm, low-alternator-charge indicator light, low-fuel indicator light, fault-code alert indicator, fuel-rate display, water-in-fuel light, wiper-mode indicator, work-lights-on indicator, and work-mode indicator
●	Motion alarm with cancel switch (conforms to SAE J994)
●	Power-boost switch on right control lever
●	SAE 2-lever control pattern
●	Seat belt, 76 mm (3 in.), non-retractable
●	Tinted glass
●	Transparent tinted overhead hatch
●	Tilting steering column
●	Sun visor
●	Windshield washer/wiper with constant and intermittent speeds
▲	Window vandal-protection covers
Electrical	
●	50-amp alternator
●	Blade-type multi-fused circuits
●	Positive-terminal battery covers
●	JDLink™ wireless communication system (available in specific countries; see your dealer for details)
●	Rearview camera
Lights	
●	Headlights (2)
●	Worklights, top of cab (2), rear of cab (1), and boom (1)
●	Turn signals / Hazard lights
●	Brake lights
●	Side marker lights

Net engine power is with standard equipment including air cleaner, exhaust system, alternator, and cooling fan at test conditions specified per ISO 9249. No derating is required up to 3050-m (10,000 ft.) altitude. Specifications and design subject to change without notice. Wherever applicable, specifications are in accordance with SAE standards. Except where otherwise noted, these specifications are based on a unit with 1.38-m³ (1.81 cu. yd.), 1219-mm (48 in.), 735-kg (1,621 lb.) bucket, 2.71-m (8 ft. 11 in.) arm, full fuel tank, and 75-kg (165 lb.) operator.

