

# Cat<sup>®</sup> 420 XE

BACKHOE LOADER

The Cat® 420 XE Backhoe Loaders delivers exceptional performance, increased fuel efficiency, superior hydraulic system, versatility and an updated operator station. The 420 XE feature the following:

- Ergonomic Operator Station Adjustable Seat Mounted Controls improve ergonomics by increasing operator comfort and legroom. Operators have Loader and Backhoe Controls in the palm of their hands, whether they are facing the Loader, the Backhoe, or sitting off set for better visibility. The new Spring Applied Hydraulically Released (SAHR) Parking Brake is controlled by simply pressing a button.
- Load Sensing Hydraulics The Cat Backhoe Loader's load sensing piston pump provides full hydraulic lifting and digging forces at any engine speed. Variable flow pump matches hydraulic power to work demands.
- Machine Performance The Cat C3.6 engine delivers solid performance and meets U.S. EPA Tier 4 Final/EU Stage V emission standards by utilizing Selective Catalytic Reduction technology with a Diesel Oxidation Catalyst. The system allows the operator to disconnect the machine, even while the diesel exhaust fluid is being purged from the system.
- Machine Versatility The all new Integrated Tool Carrier (IT Coupler) for Single Tilt Loader Arm configurations are available from the factory or for simple field installation. The Cat Backhoe Loader with Integrated Tool Carrier (IT Coupler) will be the most versatile machine on the job site providing quick connection to a variety of Cat Attachments.
- Cat Attachments A large portfolio of Backhoe Loader Attachments, including but not limited to, Quick Couplers (QC), Thumbs, assorted Buckets, and Brooms are available from the factory or for field installation. Cat Backhoe Loaders will be "Dirt Ready" upon delivery.
- Powershift Transmission A Four Speed Powershift Transmission is standard to make shifting gears smooth and as simple as twisting the Powershuttle Lever.
- Lift Performance The redesigned boom cylinder increases lift performance by 15%.

## **Specifications**

## **Engine**

Engine	C3.6	(	C3.6		
	74.5 kW		82 kW (1		
	Electroni	ic Turbo	Electronic Turbo		
	Intercoo	led	Intercoo	led	
Ratings at 2,200 rpm					
Gross Power SAE J1995	76 kW	102 hp	84 kW	114 hp	
Gross Power ISO 14396	74 kW	100 hp	82 kW	111 hp	
Net Power Rating at 2,200 rpm					
SAE J1349	68 kW	92 hp	76 kW	103 hp	
ISO 9249	68 kW	91 hp	75 kW	102 hp	
Net Peak Power Rating at 1,800	rpm	-		•	
SAE J1349	79 kW	105 hp	82 kW	109 hp	
ISO 9249	78 kW	105 hp	82 kW	109 hp	
Dimensions					
Bore	98 mm	3.86 in	98 mm	3.86 in	
Stroke	120 mm	4.72 in	120 mm	4.72 in	
Displacement	3.6 L	220 in <sup>3</sup>	3.6 L	220 in <sup>3</sup>	
Torque Rise (net) at 1,400 rpm	47%		48%		
SAE J1349 Net	436 N·m	322 lb-ft	485 N⋅m	358 lb-ft	
Power Rating Conditions					
No de-rating required up to	3048 m	10,000 ft	3048 m	10,000 ft	

Engine meets Tier 4 Final/Stage V emission standards.

#### Weights\*

Operating Weight (estimated)	7834 kg	17,271 lb
Operating Weight (maximum) (Rollover		
Protective Structure (ROPS) capacity)	11 000 kg	24,251 lb
Operating Weight (minimum)	7384 kg	16,279 lb
Cab, ROPS/Falling Object Protective	_	
Structure (FOPS)	145 kg	320 lb
Power-Shift Transmission	STD	STD
Ride Control	15 kg	33 lb
Air Conditioning	45 kg	99 lb
All-Wheel Drive	STD	STD
Multi Purpose (MP) bucket (0.96 m <sup>3</sup> /1.25 yd <sup>3</sup> )		
with fold-over forks	915 kg	2,017 lb
without fold-over forks	745 kg	1,642 lb
Loader Quick Coupler	245 kg	540 lb
Extendible Stick (excludes ft. counterweight)	270 kg	595 lb
Counterweights, base	115 kg	256 lb
Stackable, one	240 kg	529 lb
Maximum	460 kg	1,014 lb

\*Machine configuration: standard stick hoe, Open Roll Over Protective Structure (OROPS) canopy, All Wheel Drive (AWD) power shift transmission, 0.96 m³ (1.25 yd³) GP (General Purpose) loader bucket, 610 mm (24 in) standard duty hoe bucket, front 340/80-18 and rear 500/70-24 tires, 240 kg (530 lb) counterweight, 80 kg (176 lb) operator, full fuel tank.



## Transmission\*

Power Shift Transmission – Standard		
Forward – 1st	5.9 km/h	3.7 mph
2nd	9.4 km/h	5.8 mph
3rd	20 km/h	12 mph
4th	41 km/h	25 mph
Reverse – 1st	5.9 km/h	3.7 mph
2nd	12.4 km/h	7.7 mph
3rd	27 km/h	17 mph

		Power-S Transmis – Optio	ssion	Power-Shift Transmission with LTC – Optiona			
Forward –	1st	5.9 km/h	3.7 mph	5.9 km/h	3.7 mph		
	2nd	9.4 km/h	5.8 mph	9.4 km/h	5.8 mph		
	3rd	12 km/h	8 mph	12 km/h	8 mph		
	4th	20 km/h	12 mph	20 km/h	12 mph		
	5th	27 km/h	17 mph	27 km/h	17 mph		
	5th LTC	_	_	29 km/h	18 mph		
	6th	41 km/h	25 mph	41 km/h	25 mph		
	6th LTC**	_	_	40 km/h	25 mph		
Reverse –	1st	5.9 km/h	3.7 mph	5.9 km/h	3.7 mph		
	2nd	12 km/h	7.7 mph	12 km/h	7.7 mph		
	3rd	27 km/h	17 mph	27 km/h	17 mph		

<sup>\*</sup>Travel speeds of two wheel drive backhoe loader at full throttle, when equipped with 500/70-24 rear tires.

## **Axle Ratings**

Front Axle, AWD		
Static	23 500 kg	51,808 lb
Dynamic	9000 kg	19,841 lb
Rear Axle		
Static	26 500 kg	58,422 lb
Dynamic	10 000 kg	22,046 lb

## **Hydraulic System**

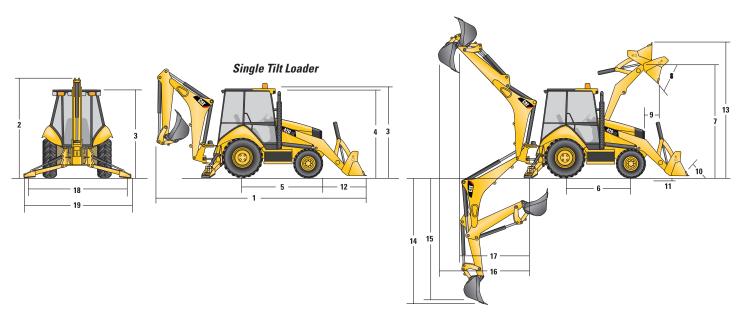
Туре	Closed Center					
Pump Type	Variable-flow, Axial Pisto					
Pump Capacity @ 2,200 rpm	187 L/min	49.4 gal/min				
System Pressure						
Backhoe	25 000 kPa	3,626 psi				
Loader	25 000 kPa	3,626 psi				

## Steering

<u> </u>					
Туре	Front Wheel Steering				
Power Steering	Hydrostatic				
One Double-Acting Cylinder					
Bore	65 mm	2.6 in			
Stroke	106 mm	4.2 in			
Rod Diameter	40 mm	1.6 in			
Axle Oscillation	11°				
Turning Circle – (inner wheel not braked)					
Outside front wheels	8.205 m	26'11"			
Outside widest loader bucket	10.745 m	35'3"			

## **Service Refill Capacities**

Service neitii Gapacities		
Cooling System with Air Conditioning	18.0 L	4.8 gal
Fuel Tank	160.0 L	42.3 gal
Engine Oil with Filter	9.0 L	2.4 gal
Diesel Exhaust Fluid (DEF)	19.0 L	5.0 gal
Transmission – Power shuttle		
AWD	18.0 L	4.8 gal
Transmission – Power Shift		
AWD	19.0 L	5.0 gal
Rear Axle	16.0 L	4.2 gal
Planetaries	1.7 L	0.4 gal
Front Axle (AWD)	11.0 L	2.9 gal
Planetaries	0.7 L	0.2 gal
Hydraulic System	95.0 L	25.1 gal
Hydraulic Tank	42.0 L	11.1 gal



<sup>\*\*</sup>Limited by engine speed to 40 km/h (25 mph).

## **Dimensions**

Machine configuration: standard stick hoe, OROPS canopy, AWD power shift transmission, 0.96 m³ (1.25 yd³) GP loader bucket, 610 mm (24 in) standard duty hoe bucket, 340/80-18 and rear 500/70-24 tires, 240 kg (530 lb) counterweight, 80 kg (176 lb) operator, full fuel tank.

		Single Tilt Loader with Pin-On Buckets											
			6 m <sup>3</sup>		m <sup>3</sup>								7 m <sup>3</sup>
		(1.25 )	/d³) GP	(1.31)	/d³) GP	(1.40 y	d³) GP	(1.50)	/d³) GP	(1.31 y	d³) MP	(1.40 y	d³) MP
1	Overall Length (loader on ground) – S-Stick – mm (ft/in)	7132	(23'5")	7087	(23'3")	7153	(23'6")	7153	(23'6")	7060	(23'2")	7060	(23'2")
	Overall Length (loader on ground) — E-Stick — mm (ft/in)	7138	(23'5")	7093	(23'3")	7158	(23'6")	7158	(23'6")	7066	(23'2")	7066	(23'2")
	Overall Transport Length – S-Stick – mm (ft/in)	7163	(23'6")	7130	(23'5")	7201	(23'7")	7201	(23'7")	7131	(23'5")	7131	(23'5")
	Overall Transport Length – E-Stick – mm (ft/in)	7190	(23'7")	7135	(23'5")	7206	(23'8")	7206	(23'8")	7136	(23'5")	7136	(23'5")
2	Overall Transport Height – Standard Stick – mm (ft/in)	3645	(12'0")	3645	(12'0")	3645	(12'0")	3645	(12'0")	3645	(12'0")	3645	(12'0")
	Overall Transport Height – Extendible Stick – mm (ft/in)	3665	(12'0")	3665	(12'0")	3665	(12'0")	3665	(12'0")	3665	(12'0")	3665	(12'0")
	Overall Width – mm (ft/in)	2248	(7'5")	2248	(7'5")	2248	(7'5")	2248	(7'5")	2248	(7'5")	2248	(7'5")
3	Height to Top of Cab/Canopy – mm (ft/in)	2815	(9'3")	2815	(9'3")	2815	(9'3")	2815	(9'3")	2815	(9'3")	2815	(9'3")
4	Height to Top of Exhaust Stack – mm (ft/in)	2720	(8'11")	2720	(8'11")	2720	(8'11")	2720	(8'11")	2720	(8'11")	2720	(8'11")
	Height to Loader Hinge Pin (transport) – mm (ft/in)	378	(1'3")	378	(1'3")	422	(1'5")	422	(1'5")	420	(1'5")	420	(1'5")
	Ground Clearance (Left Hand [LH] step) – mm (ft/in)	316	(1'0")	316	(1'0")	316	(1'0")	316	(1'0")	316	(1'0")	316	(1'0")
	Ground Clearance (AWD guard) – mm (ft/in)	312	(1'0")	312	(1'0")	312	(1'0")	312	(1'0")	312	(1'0")	312	(1'0")
	Ground Clearance (485 kg/1,070 lb counterweight) – mm (ft/in)	289	(0'11")	289	(0'11")	289	(0'11")	289	(0'11")	289	(0'11")	289	(0'11")
5	Rear Axle Centerline to Front Grill – mm (ft/in)	2706	(8'11")	2706	(8'11")	2706	(8'11")	2706	(8'11")	2706	(8'11")	2706	(8'11")
	Front Wheel Tread Gauge – mm (ft/in)	1895	(6'3")	1895	(6'3")	1895	(6'3")	1895	(6'3")	1895	(6'3")	1895	(6'3")
	Rear Wheel Tread Gauge – mm (ft/in)	1728	(5'8")	1728	(5'8")	1728	(5'8")	1728	(5'8")	1728	(5'8")	1728	(5'8")
6	Wheelbase – mm (ft/in)	2200	(7'3")	2200	(7'3")	2200	(7'3")	2200	(7'3")	2200	(7'3")	2200	(7'3")

		Single Tilt Loader with Quick Coupler									
		0.96 m <sup>3</sup> 1.0 m <sup>3</sup>					5 m³	1.0 m <sup>3</sup>		1.0	7 m <sup>3</sup>
		(1.25	yd³) GP	(1.31	(1.31 yd³) GP		yd³) GP	(1.31 yd³) MP		(1.40 yd³) MP	
1	Overall Length (loader on ground) – S-Stick – mm (ft/in)	7314	(24'0")	7269	(23'10")	7311	(24'0")	7221	(23'8")	7221	(23'8")
	Overall Length (loader on ground) – E-Stick – mm (ft/in)	7319	(24'0")	7275	(23'10")	7316	(24'0")	7226	(23'9")	7226	(23'9")
	Overall Transport Length — S-Stick — mm (ft/in)	7290	(23'11")	7257	(23'10")	7288	(23'11")	7219	(23'8")	7219	(23'8")
	Overall Transport Length – E-Stick – mm (ft/in)	7296	(23'11")	7262	(23'10")	7294	(23'11")	7224	(23'8")	7224	(23'8")
2	Overall Transport Height – Standard Stick – mm (ft/in)	3645	(12'0")	3645	(12'0")	3645	(12'0")	3645	(12'0")	3645	(12'0")
	Overall Transport Height – Extendible Stick – mm (ft/in)	3665	(12'0")	3665	(12'0")	3665	(12'0")	3665	(12'0")	3665	(12'0")
	Overall Width – mm (ft/in)	2248	(7'5")	2248	(7'5")	2248	(7'5")	2248	(7'5")	2248	(7'5")
3	Height to Top of Cab/Canopy – mm (ft/in)	2815	(9'3")	2815	(9'3")	2815	(9'3")	2815	(9'3")	2815	(9'3")
4	Height to Top of Exhaust Stack – mm (ft/in)	2720	(8'11")	2720	(8'11")	2720	(8'11")	2720	(8'11")	2720	(8'11")
	Height to Loader Hinge Pin (transport) – mm (ft/in)	345	(1'2")	346	(1'2")	346	(1'2")	344	(1'2")	344	(1'2")
	Ground Clearance (LH step) – mm (ft/in)	316	(1'0")	316	(1'0")	316	(1'0")	316	(1'0")	316	(1'0")
	Ground Clearance (AWD guard) – mm (ft/in)	312	(1'0")	312	(1'0")	312	(1'0")	312	(1'0")	312	(1'0")
	Ground Clearance (485 kg/1,070 lb counterweight) – mm (ft/in)	289	(0'11")	289	(0'11")	289	(0'11")	289	(0'11")	289	(0'11")
5	Rear Axle Centerline to Front Grill – mm (ft/in)	2706	(8'11")	2706	(8'11")	2706	(8'11")	2706	(8'11")	2706	(8'11")
	Front Wheel Tread Gauge – mm (ft/in)	1895	(6'3")	1895	(6'3")	1895	(6'3")	1895	(6'3")	1895	(6'3")
	Rear Wheel Tread Gauge – mm (ft/in)	1728	(5'8")	1728	(5'8")	1728	(5'8")	1728	(5'8")	1728	(5'8")
6	Wheelbase – mm (ft/in)	2200	(7'3")	2200	(7'3")	2200	(7'3")	2200	(7'3")	2200	(7'3")

## **Dimensions**

Machine configuration: standard stick hoe, OROPS canopy, AWD power shift transmission, 0.96 m³ (1.25 yd³) GP loader bucket, 610 mm (24 in) standard duty hoe bucket, 340/80-18 and rear 500/70-24 tires, 240 kg (530 lb) counterweight, 80 kg (176 lb) operator, full fuel tank.

## **Loader Bucket Dimensions and Performance**

		Single Tilt Loader with Pin-On Buckets											
			6 m³		m <sup>3</sup>		7 m <sup>3</sup> 1.15 m <sup>3</sup>			1.0 m <sup>3</sup>		1.07 m <sup>3</sup>	
		(1.25 y	/d³) GP	(1.31 )	/d³) GP	(1.40 y	/d³) GP	(1.50 y	rd³) GP	(1.31 y	d³) MP	(1.40 y	d³) MP
	Capacity (SAE rated) – m³ (yd³)	0.96	(1.26)	1.00	(1.31)	1.07	(1.40)	1.15	(1.50)	1.00	(1.31)	1.07	(1.40)
	Overall Bucket Width – mm (in)	2262	(89)	2406	(95)	2262	(89)	2406	(95)	2279	(90)	2425	(95)
	Lift Capacity at Maximum Height – kg (lb)	3280	(7,230)	3286	(7,245)	3213	(7,084)	3192	(7,038)	3059	(6,745)	3047	(6,717)
	Lift Breakout Force – N (lbf)	50 179	(11,280)	50 941	(11,452)	49 644	(11,160)	49 467	(11,120)	49 114	(11,041)	49 017	(11,019)
	Tilt Breakout Force – N (lbf)	49 891	(11,216)	53 037	(11,923)	50 945	(11,452)	50 834	(11,428)	56 242	(12,643)	56 166	(12,626)
	Tipping Load at Breakout Point – kg (lb)	6663	(14,689)	6821	(15,038)	6562	(14,467)	6545	(14,430)	6699	(14,769)	6690	(14,748)
7	Maximum Hinge Pin Height – mm (ft/in)	3488	(11'5")	3488	(11'5")	3488	(11'5")	3488	(11'5")	3488	(11'5")	3488	(11'5")
8	Dump Angle at Full Height – degrees	4	4°	4	4°	4	4°	4	4°	4	4°	4	4°
	Dump Height at Maximum Angle – mm (ft/in)	2758	(9'1")	2790	(9'2")	2736	(9'0")	2736	(9'0")	2803	(9'2")	2803	(9'2")
9	Dump Reach at Maximum Angle – mm (ft/in)	807	(2'8")	774	(2'6")	773	(2'6")	773	(2'6")	722	(2'4")	722	(2'4")
10	Maximum Bucket Rollback at Ground Level – degrees	3	6°	3	6°	3	7°	3	7°	3	7°	3	7°
11	Digging Depth – mm (ft/in)	70	(0'3")	70	(0'3")	110	(0'4")	110	(0'4")	97	(0'4")	97	(0'4")
	Maximum Grading Angle – degrees	11	3°	11	4°	11	14°	11	4°	11	6°	11	6°
	Width of Dozer Cutting Edge – mm (ft/in)	N	/A	N	/A	N	/A	N	/A	2262	(7'5")	2406	(7'11")
12	Grill to Bucket Cutting Edge, Carry Position – mm (ft/in)	1480	(4'10")	1447	(4'9")	1518	(5'0")	1517	(5'0")	1447	(4'9")	1447	(4'9")
13	Maximum Operating Height – mm (ft/in)	4356	(14'3")	4354	(14'3")	4366	(14'4")	4397	(14'5")	4378	(14'4")	4407	(14'6")
	Jaw Opening Maximum – mm (ft/in)	N	/A	N	/A	N	/A	N	/A	843	(2'9")	843	(2'9")
	Bucket Jaw Clamping Force – N (lbf)	N	/A	N	/A	N	/A	N	/A	40 160	(9,028)	40 261	(9,051)
	Weight (does not include teeth or forks) – kg (lb)	451	(994)	462	(1,019)	473	(1,043)	493	(1,087)	745	(1,642)	774	(1,706)

		Single Tilt Loader with Quick Coupler									
			6 m³		) m <sup>3</sup>	1.15 m <sup>3</sup>		1.0 m <sup>3</sup>			7 m³
		(1.25 yd³) GP		(1.31 y	(1.31 yd³) GP		(1.50 yd <sup>3</sup> ) GP		(1.31 yd³) MP		/d³) MP
	Capacity (SAE rated) — m³ (yd³)	0.96	(1.26)	1.00	(1.31)	1.15	(1.50)	1.00	(1.31)	1.07	(1.40)
	Overall Bucket Width – mm (in)	2262	(89)	2406	(95)	2406	(95)	2279	(90)	2425	(95)
	Lift Capacity at Maximum Height – kg (lb)	3361	(7410)	3364	(7416)	3328	(7336)	3245	(7153)	3207	(7069)
	Lift Breakout Force – N (lbf)	51 954	(11,679)	52 665	(11,839)	51 662	(11,614)	51 690	(11,620)	51 431	(11,562)
	Tilt Breakout Force – N (lbf)	51 516	(11,581)	54 168	(12,177)	51 227	(11,516)	55 471	(12,470)	55 300	(12,431)
	Tipping Load at Breakout Point – kg (lb)	5883	(12,971)	6007	(13,243)	5858	(12,915)	5982	(13,187)	5957	(13,132)
7	Maximum Hinge Pin Height – mm (ft/in)	3488	(11'5")	3488	(11'5")	3488	(11'5")	3488	(11'5")	3488	(11'5")
8	Dump Angle at Full Height – degrees	4	4°	44°		44°		44°		44°	
	Dump Height at Maximum Angle – mm (ft/in)	2623	(8'7")	2654	(8'9")	2625	(8'7")	2690	(8'10")	2690	(8'10")
9	Dump Reach at Maximum Angle – mm (ft/in)	887	(2'11")	855	(2'10")	886	(2'11")	832	(2'9")	832	(2'9")
10	Maximum Bucket Rollback at Ground Level – degrees	3	7°	3	7°	37°		37°		37°	
11	Digging Depth – mm (ft/in)	111	(0'4")	111	(0'4")	110	(0'4")	101	(0'4")	101	(0'4")
	Maximum Grading Angle – degrees	10	)9°	11	10°	10	)9°	11	l1°	11	11°
	Width of Dozer Cutting Edge – mm (ft/in)	N	/A	N	/A	N	/A	2262	(7'5")	2406	(7'11")
12	Grill to Bucket Cutting Edge, Carry Position – mm (ft/in)	1607	(5'3")	1573	(5'2")	1605	(5'3")	1535	(5'0")	1535	(5'0")
13	Maximum Operating Height – mm (ft/in)	4439	(14'7")	4406	(14'5")	4484	(14'9")	4476	(14'8")	4531	(14'10")
	Jaw Opening Maximum – mm (ft/in)	N	/A	N	/A	N/A		843	(2'9")	843	(2'9")
	Bucket Jaw Clamping Force – N (lbf)	N	/A	N/A		N/A		40 185	(9,034)	40 286	(9,056)
	Weight (does not include teeth or forks) – kg (lb)	447	(985)	457	(1,008)	481	(1,060)	724	(1,596)	753	(1,660)

## **Dimensions**

Machine configuration: standard stick hoe, OROPS canopy, AWD power shift transmission, 0.96 m³ (1.25 yd³) GP loader bucket, 610 mm (24 in) standard duty hoe bucket, 340/80-18 and rear 500/70-24 tires, 240 kg (530 lb) counterweight, 80 kg (176 lb) operator, full fuel tank.

## **Backhoe Dimensions and Performance**

	Standa	rd Stick	E-Stick F	Retracted	E-Stick l	Extended
14 Digging Depth, SAE (max.) – mm (ft/in)	4278	(14'0")	4319	(14'2")	5372	(17'7")
15 Digging Depth, 2440 mm (8 ft) Flat Bottom – mm (ft/in)	3900	(12'10")	3944	(12'11")	5074	(16'8")
Digging Depth, 610 mm (2 ft) Flat Bottom – mm (ft/in)	4240	(13'11")	4280	(14'1")	5335	(17'6")
Reach from Rear Axle Centerline at Ground Line – mm (ft/in)	6690	(21'11")	6726	(22'1")	7731	(25'4")
Reach from Swing Pivot at Ground Line – mm (ft/in)	5600	(18'4")	5636	(18'6")	6641	(21'9")
Maximum Operating Height – mm (ft/in)	5598	(18'4")	5622	(18'5")	6364	(20'11")
Loading Height – mm (ft/in)	3709	(12'2")	3666	(12'0")	4237	(13'11")
17 Loading Reach – mm (ft/in)	1845	(6'1")	1932	(6'4")	2850	(9'4")
Swing Arc	18	30°	18	0°	18	80°
Bucket Rotation	20	)5°	20	4°	20	)4°
18 Stabilizer Spread, Operating Position (center) – mm (ft/in)	3310	(10'10")	3310	(10'10")	3310	(10'10")
Stabilizer Spread, Operating Position (outside) – mm (ft/in)	3770	(12'4")	3770	(12'4")	3770	(12'4")
Stabilizer Spread, Transport Position – mm (ft/in)	2322	(7'7")	2322	(7'7")	2322	(7'7")
Bucket Dig Force – N (lbf)	64 193	(14,431)	63 292	(14,229)	63 292	(14,229)
Stick Dig Force — N (lbf)	43 529	(9,786)	43 395	(9,756)	31 684	(7,123)

**Dimensions with Forks/Material Handling Arm** 

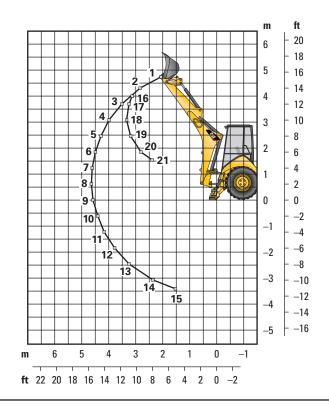
Fork Tine Length	1070 n	nm (3'6")	1220 n	nm (4'0")	1370 m	m (4'10")
Operating Load (SAE J1197) – kg (lb)	2295	(5,060)	2221	(4,897)	2135	(4,708)
SAE Load Center – mm (in)	535	(1'9")	610	(2'0")	685	(2'3")
Operating Load (CEN 474-4) – kg (lb)	2352	(5,186)	2337	(5,151)	2320	(5,115)
CEN Load Center – mm (ft/in)	500	(1'8")	500	(1'8")	500	(1'8")
Overall Length (A) (forks on ground) – mm (ft/in)	7648	(25'1")	7798	(25'7")	7948	(26'1")
Reach at Ground (from grill to heel of fork) – mm (ft/in)	939	(3'1")	939	(3'1")	938	(3'1")
Maximum Reach (from grill to heel of fork) – mm (ft/in)	1524	(5'0")	1524	(5'0")	1524	(5'0")
Fork Height at Maximum Reach – mm (ft/in)	1619	(5'4")	1619	(5'4")	1619	(5'4")
Reach at Maximum Height (from grill to heel of fork) – mm (ft/in)	749	(2'5")	749	(2'5")	749	(2'5")
Maximum Fork Height – mm (ft/in)	3418	(11'3")	3418	(11'3")	3418	(11'3")
Maximum Fork Depth (below ground level) – mm (ft/in)	-38	(-1'11")	-38	(-1'10")	-39	(-1'10")

Material Handling Arm Position	Retra	acted	Mid-P	osition	Exte	nded
Operating Load (SAE J1197 and CEN 474-4) – kg (lb)*	1524	(3,360)	1030	(2,271)	758	(1,671)
Overall Length, Maximum – mm (ft/in)	8904	(29'3")	9904	(32'6")	10 902	(35'9")
Reach at Maximum Depth (from machine nose) – mm (ft/in)	544	(1'9")	550	(1'10")	557	(1'10")
Maximum Depth – mm (ft/in)	2618	(8'7")	3618	(11'10")	4616	(15'2")
Maximum Reach (from machine nose) – mm (ft/in)	3221	(10'7")	4221	(13'10")	5219	(17'1")
Height at Maximum Reach – mm (ft/in)	1118	(3'8")	1124	(3'8")	1130	(3'8")
Reach at Maximum Height (from machine nose) — mm (ft/in)	1783	(5'10")	2473	(8'1")	3161	(10'4")
Maximum Height – mm (ft/in)	4445	(14'7")	5169	(16'11")	5891	(19'4")

<sup>\*</sup>These numbers are hydraulically limited.

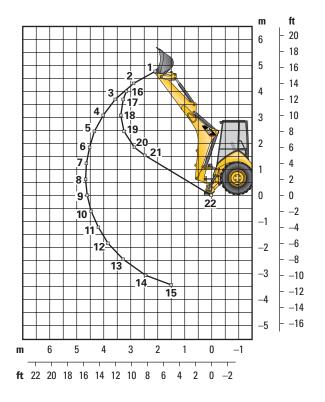
## **Backhoe Lift Capacity**

Cat 420 XE Standard Stick								
Boom Lifting	kg	lb						
1	1842	4,060						
2	2009	4,429						
3	2008	4,427						
4	1951	4,301						
5	1880	4,145						
6	1808	3,986						
7	1739	3,833						
8	1673	3,689						
9	1613	3,556						
10	1558	3,435						
11	1509	3,327						
12	1468	3,237						
13	1441	3,176						
14	1455	3,208						
15	1590	3,506						
Stick Lifting								
16	2170	4,785						
17	2642	5,823						
18	2933	6,465						
19	3069	6,767						
20	3626	7,994						
21	4441	9,790						



#### Cat 420 XE Extendible Stick - Retracted

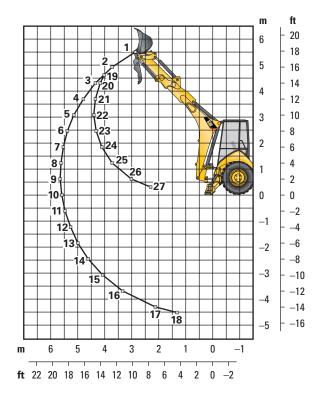
Boom Lifting	kg	lb
1	1658	3,656
2	1814	3,999
3	1806	3,982
4	1748	3,853
5	1677	3,696
6	1604	3,536
7	1534	3,382
8	1468	3,236
9	1407	3,101
10	1350	2,976
11	1299	2,864
12	1255	2,766
13	1221	2,692
14	1219	2,687
15	1333	2,938
Stick Lifting		
16	2019	4,451
17	2467	5,438
18	2729	6,016
19	2854	6,292
20	3359	7,405
21	4057	8,944
22	0	0



Lift capacities are over-end values calculated according to SAE J31. Values are 87% of the maximum lift force available. Machine equipped with AWD, OROPS,  $0.96\,\mathrm{m}^3$  (1.25 yd³) general purpose bucket and and 240 kg (530 lb) counterweight. Extendible stick includes 460 kg (1,015 lb) counterweight.

## **Backhoe Lift Capacity**

1       984       2,169         2       1191       2,625         3       1216       2,681         4       1119       2,467         5       1065       2,347         6       1039       2,290         7       1036       2,283         8       1052       2,320         9       1090       2,403         10       1105       2,436         11       1079       2,379         12       1056       2,328         13       1037       2,287         14       1026       2,261         15       1027       2,263         16       1058       2,332         17       1243       2,740         18       1694       3,734	Cat 420 XE Extendible Stick – Extended							
2       1191       2,625         3       1216       2,681         4       1119       2,467         5       1065       2,347         6       1039       2,290         7       1036       2,283         8       1052       2,320         9       1090       2,403         10       1105       2,436         11       1079       2,379         12       1056       2,328         13       1037       2,287         14       1026       2,261         15       1027       2,263         16       1058       2,332         17       1243       2,740         18       1694       3,734         Stick Lifting         19       928       2,046         20       1159       2,555         21       1485       3,273         22       1715       3,782         23       1912       4,216         24       2052       4,525         25       2343       5,165         26       3105       6,845	Boom Lifting	kg	lb					
3       1216       2,681         4       1119       2,467         5       1065       2,347         6       1039       2,290         7       1036       2,283         8       1052       2,320         9       1090       2,403         10       1105       2,436         11       1079       2,379         12       1056       2,328         13       1037       2,287         14       1026       2,261         15       1027       2,263         16       1058       2,332         17       1243       2,740         18       1694       3,734         Stick Lifting         19       928       2,046         20       1159       2,555         21       1485       3,273         22       1715       3,782         23       1912       4,216         24       2052       4,525         25       2343       5,165         26       3105       6,845	1	984	2,169					
4       1119       2,467         5       1065       2,347         6       1039       2,290         7       1036       2,283         8       1052       2,320         9       1090       2,403         10       1105       2,436         11       1079       2,379         12       1056       2,328         13       1037       2,287         14       1026       2,261         15       1027       2,263         16       1058       2,332         17       1243       2,740         18       1694       3,734         Stick Lifting         19       928       2,046         20       1159       2,555         21       1485       3,273         22       1715       3,782         23       1912       4,216         24       2052       4,525         25       2343       5,165         26       3105       6,845	2	1191	2,625					
5       1065       2,347         6       1039       2,290         7       1036       2,283         8       1052       2,320         9       1090       2,403         10       1105       2,436         11       1079       2,379         12       1056       2,328         13       1037       2,287         14       1026       2,261         15       1027       2,263         16       1058       2,332         17       1243       2,740         18       1694       3,734         Stick Lifting         19       928       2,046         20       1159       2,555         21       1485       3,273         22       1715       3,782         23       1912       4,216         24       2052       4,525         25       2343       5,165         26       3105       6,845	3	1216	2,681					
6       1039       2,290         7       1036       2,283         8       1052       2,320         9       1090       2,403         10       1105       2,436         11       1079       2,379         12       1056       2,328         13       1037       2,287         14       1026       2,261         15       1027       2,263         16       1058       2,332         17       1243       2,740         18       1694       3,734         Stick Lifting         19       928       2,046         20       1159       2,555         21       1485       3,273         22       1715       3,782         23       1912       4,216         24       2052       4,525         25       2343       5,165         26       3105       6,845	4	1119	2,467					
7       1036       2,283         8       1052       2,320         9       1090       2,403         10       1105       2,436         11       1079       2,379         12       1056       2,328         13       1037       2,287         14       1026       2,261         15       1027       2,263         16       1058       2,332         17       1243       2,740         18       1694       3,734         Stick Lifting         19       928       2,046         20       1159       2,555         21       1485       3,273         22       1715       3,782         23       1912       4,216         24       2052       4,525         25       2343       5,165         26       3105       6,845	5	1065	2,347					
8       1052       2,320         9       1090       2,403         10       1105       2,436         11       1079       2,379         12       1056       2,328         13       1037       2,287         14       1026       2,261         15       1027       2,263         16       1058       2,332         17       1243       2,740         18       1694       3,734         Stick Lifting         19       928       2,046         20       1159       2,555         21       1485       3,273         22       1715       3,782         23       1912       4,216         24       2052       4,525         25       2343       5,165         26       3105       6,845	6	1039	2,290					
9 1090 2,403 10 1105 2,436 11 1079 2,379 12 1056 2,328 13 1037 2,287 14 1026 2,261 15 1027 2,263 16 1058 2,332 17 1243 2,740 18 1694 3,734  Stick Lifting 19 928 2,046 20 1159 2,555 21 1485 3,273 22 1715 3,782 23 1912 4,216 24 2052 4,525 25 2343 5,165 26 3105 6,845	7	1036	2,283					
10 1105 2,436 11 1079 2,379 12 1056 2,328 13 1037 2,287 14 1026 2,261 15 1027 2,263 16 1058 2,332 17 1243 2,740 18 1694 3,734  Stick Lifting 19 928 2,046 20 1159 2,555 21 1485 3,273 22 1715 3,782 23 1912 4,216 24 2052 4,525 25 2343 5,165 26 3105 6,845	8	1052	2,320					
11       1079       2,379         12       1056       2,328         13       1037       2,287         14       1026       2,261         15       1027       2,263         16       1058       2,332         17       1243       2,740         18       1694       3,734         Stick Lifting         19       928       2,046         20       1159       2,555         21       1485       3,273         22       1715       3,782         23       1912       4,216         24       2052       4,525         25       2343       5,165         26       3105       6,845	9	1090	2,403					
12 1056 2,328 13 1037 2,287 14 1026 2,261 15 1027 2,263 16 1058 2,332 17 1243 2,740 18 1694 3,734  Stick Lifting 19 928 2,046 20 1159 2,555 21 1485 3,273 22 1715 3,782 23 1912 4,216 24 2052 4,525 25 2343 5,165 26 3105 6,845	10	1105	2,436					
13     1037     2,287       14     1026     2,261       15     1027     2,263       16     1058     2,332       17     1243     2,740       18     1694     3,734       Stick Lifting       19     928     2,046       20     1159     2,555       21     1485     3,273       22     1715     3,782       23     1912     4,216       24     2052     4,525       25     2343     5,165       26     3105     6,845	11	1079	2,379					
14 1026 2,261 15 1027 2,263 16 1058 2,332 17 1243 2,740 18 1694 3,734  Stick Lifting  19 928 2,046 20 1159 2,555 21 1485 3,273 22 1715 3,782 23 1912 4,216 24 2052 4,525 25 2343 5,165 26 3105 6,845	12	1056	2,328					
15     1027     2,263       16     1058     2,332       17     1243     2,740       18     1694     3,734       Stick Lifting       19     928     2,046       20     1159     2,555       21     1485     3,273       22     1715     3,782       23     1912     4,216       24     2052     4,525       25     2343     5,165       26     3105     6,845	13	1037	2,287					
16 1058 2,332 17 1243 2,740 18 1694 3,734  Stick Lifting  19 928 2,046 20 1159 2,555 21 1485 3,273 22 1715 3,782 23 1912 4,216 24 2052 4,525 25 2343 5,165 26 3105 6,845	14	1026	2,261					
17     1243     2,740       18     1694     3,734       Stick Lifting       19     928     2,046       20     1159     2,555       21     1485     3,273       22     1715     3,782       23     1912     4,216       24     2052     4,525       25     2343     5,165       26     3105     6,845	15	1027	2,263					
18     1694     3,734       Stick Lifting       19     928     2,046       20     1159     2,555       21     1485     3,273       22     1715     3,782       23     1912     4,216       24     2052     4,525       25     2343     5,165       26     3105     6,845	16	1058	2,332					
Stick Lifting       19     928     2,046       20     1159     2,555       21     1485     3,273       22     1715     3,782       23     1912     4,216       24     2052     4,525       25     2343     5,165       26     3105     6,845	17	1243	2,740					
19     928     2,046       20     1159     2,555       21     1485     3,273       22     1715     3,782       23     1912     4,216       24     2052     4,525       25     2343     5,165       26     3105     6,845	18	1694	3,734					
20     1159     2,555       21     1485     3,273       22     1715     3,782       23     1912     4,216       24     2052     4,525       25     2343     5,165       26     3105     6,845	Stick Lifting							
21     1485     3,273       22     1715     3,782       23     1912     4,216       24     2052     4,525       25     2343     5,165       26     3105     6,845	19	928	2,046					
22     1715     3,782       23     1912     4,216       24     2052     4,525       25     2343     5,165       26     3105     6,845	20	1159	2,555					
23     1912     4,216       24     2052     4,525       25     2343     5,165       26     3105     6,845	21	1485	3,273					
24     2052     4,525       25     2343     5,165       26     3105     6,845	22	1715	3,782					
25       2343       5,165         26       3105       6,845	23	1912	4,216					
<b>26</b> 3105 6,845	24	2052	4,525					
	25	2343	5,165					
<b>27</b> 4455 9,821	26	3105	6,845					
	27	4455	9,821					



Lift capacities are over-end values calculated according to SAE J31. Values are 87% of the maximum lift force available. Machine equipped with AWD, OROPS, 0.96 m³ (1.25 yd³) general purpose bucket and 240 kg (530 lb) counterweight. Extendible stick includes 460 kg (1,015 lb) counterweight.

## **Counterweights** (Minimum Counterweight Recommendations)

Standard Stick	Pin-On	Bucket	Loader QC	
Loader Bucket	kg	lb	kg	lb
GP	240	530	0	0
MP	0	0	0	0
Forks	N/A	N/A	0	0
Material Handling Arm	N/Δ	N/Δ	0	n

Extendible Stick	Pin-On	Bucket	Loader QC	
Loader Bucket	kg	lb	kg	lb
GP	460	1,015	240	530
MP	240	530	0	0
Forks	N/A	N/A	240	530
Material Handling Arm	N/A	N/A	240	530

## Backhoe Buckets (With weld on adapters and pin-on teeth)

Si	tandard	Duty					
Width		Rated Capacity Weight		ight	No. of		
	mm	in	L	ft³	kg	lb	Teeth
	305	12	80	2.8	111	245	3
	457	18	120	4.2	122	268	4
	610	24	180	6.4	141	311	5
	762	30	230	8.1	157	345	5
	914	36	290	10.2	176	388	6

Rock						
Wie	dth	Rated Capacity		Weight		No. of
mm	in	L	ft³	kg	lb	Teeth
305	12	70	2.5	127	279	3
457	18	130	4.6	146	322	4
610	24	200	7.1	174	384	5
762	30	270	9.5	197	434	5
914	36	330	11.7	224	493	6

<b>Heavy Dut</b>	у					
Wie	Width		apacity	We	ight	No. of
mm	in	L	ft³	kg	lb	Teeth
305	12	80	2.8	121	266	3
406	16	110	3.9	128	282	3
457	18	120	4.2	135	299	4
610	24	180	6.4	160	353	5
762	30	230	8.1	177	391	5
914	36	290	10.2	201	443	6

Coral									
Width		Rated C	Rated Capacity		Weight				
mm	in	L	ft³	kg	lb	Teeth			
305	12	60	2.1	134	295	4			
457	18	100	3.5	155	341	6			
610	24	140	4.9	182	402	8			
762	30	190	6.7	210	463	10			

Soil Excavation							
Width		Rated Capacity		Weight		No. of	
mm	in	L	ft³	kg	lb	Teeth	
457	18	180	6.4	155	341	4	
610	24	240	8.5	182	402	5	
762	30	320	11.3	206	454	5	
914	36	380	13.4	233	513	6	

## **420 XE Environmental Declaration**

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit <a href="https://www.caterpillar.com/en/company/sustainability">https://www.caterpillar.com/en/company/sustainability</a>.

#### **Engine**

- The Cat® C3.6 engine meets U.S. EPA Tier 4 Final and EU Stage V emission standards.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels up to:
  - ✓ 20% biodiesel FAME (fatty acid methyl ester)
  - √ 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

## **Air Conditioning System**

• The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.6 kg (3.5 lb) of refrigerant which has a  $CO_2$  equivalent of 2.3 metric tonnes (2.5 tons).

#### **Paint**

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
- Barium < 0.01%
- Cadmium < 0.01%
- Chromium < 0.01%
- Lead < 0.01%

#### **Sound Performance**

Operator Sound Pressure Level (ISO 6396:2008) – 76 dB(A)\*

Exterior Sound Power Level (ISO 6395:2008) - 101 dB(A)

\*Measurements were conducted with properly installed and maintained cab doors and windows closed.

#### **Oils and Fluids**

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDO™ Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

## **Features and Technology**

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary.
   Consult your Cat dealer for details.
  - Save fuel and reduce your greenhouse gas emissions with efficiency features such as operator control modes selectable through the display and with fuel management modes.
  - Extended maintenance intervals not only reduce downtime but decrease the amount of fluid and filters that are replaced over the life of the machine.
- Auto Idle helps reduce unnecessary fuel burn and greenhouse gas emissions by allowing the engine to automatically go into idle mode when the machine is not working.

## Recycling

 The materials included in machines are categorized as below with approximate weight percentage. Because of variations of product configurations, the following values in the table may vary.

Material Type	Weight Percentage 60.51% 16.77%		
Steel			
Iron			
Nonferrous Metal	3.29%		
Mixed Metal	0.63%		
Mixed-Metal and Nonmetal	1.03%		
Plastic	2.13%		
Rubber	3.01%		
Mixed Nonmetallic	0.03%		
Fluid	4.17%		
Other	6.33%		
Uncategorized	2.10%		
Total	100.00%		

 A machine with higher recyclability rate will ensure more efficient usage of valuable natural resources and enhance End-of-Life value of the product. According to ISO 16714:2008 (Earthmoving machinery – Recyclability and recoverability – Terminology and calculation method), recyclability rate is defined as percentage by mass (mass fraction in percent) of the new machine potentially able to be recycled, reused, or both.

All parts in the bill of material are first evaluated by component type based on a list of components defined by the ISO 16714:2008 and Japan CEMA (Construction Equipment Manufacturers Association) standards. Remaining parts are further evaluated for recyclability based on material type.

Because of variations of product configurations, the following value in the table may vary.

Recyclability - 92%

#### STANDARD EQUIPMENT

- Adjustable auxiliary controls, backhoe loader
- Air cleaner
- Alarm, back-up
- Audible system fault alarm
- Automatic Engine Speed Control (AESC)
- Battery, maintenance-free, 850 CCA
- Battery disconnect switch
- Boom transport lock
- Brace, lift cylinder
- Brake, parking, Spring Applied Hydraulically Released (SAHR)
- Brakes, hydraulically boosted, oil disc, dual pedals, interlocking
- Bucket level indicator
- Canopy, ROPS/FOPS
- Cat cushion swing system
- Coat restraint
- Coolant/antifreeze, extended life
- Dome light (cab only)
- Diagnostic port for engine, machine and gauge cluster Electronic Control Modules
- Differential lock, loader joystick
- Drink holders, two
- Engine, Cat C3.6 (Direct Injection Turbocharged), meets Tier 4 Final/Stage V emission standards, Selective Catalytic Reduction, Diesel Oxidation Catalyst (DOC)
- Engine enclosure, sound suppression, removable side panels
- Face seals, 0-ring
- Fan, suction and guard
- Fast reversing shuttle, all gears
- Fenders, rear
- Filters, spin-on: fuel, engine oil, transmission oil, water separator
- Filters, bowl and cartridge: hydraulic fluid
- Flashing hazards/signal lights
- Floor mat
- Four wheel drive

- Four wheel drive shaft guard
- Fuel tank, fully enclosed
- Fully hinged front grill for cooling package cleaning access
- Gauge cluster: coolant temperature, fuel level, torque converter temperature, DEF level
- Ground level fuel fill and DEF fill
- Halogen lights, working (2 front, 2 rear)
- High ambient cooling package
- Hood lock, inside cab
- Hydraulic Lock Out, loader, backhoe, auxiliary hydraulics
- Hydraulic hose, XT™
- Hydraulic oil cooler
- Hydraulic oil level sight gauge
- Hydraulic valves, loader 2 function
- Hydraulic valves, backhoe 4 function
- Hydraulics, load sensing with variable displacement piston pump
- Indicator lights: wait to start, water in fuel, engine warning, warning lamp, emissions module malfunction, low battery/ charging system warning, high hydraulic oil temperature: LCD warnings: engine oil pressure, machine locked, service due, air filter blocked, high coolant temperature, auto idle shutdown, high torque converter temperature, hydraulic filter bypass
- Instrument panel lights
- Key start/stop system
- LCD operator display with soft key controls: engine speed, hour meter, gear/direction, battery voltage, hydraulic oil temperature, torque converter temperature, coolant temperature, trip totals (fuel and hours), lifetime totals (fuel and hours), operator settings (units, brightness, programmable hoe auxiliary flow), service mode diagnostics, maintenance intervals, Electronic Control Module (ECM)/system info
- Loader, Electro Hydraulic (EH) Parallel Lift

- Loader, Programmable Kick Out
- Loader, Programmable Return To Dig
- Loader, single tilt
- Mirror, interior, rearview
- One-touch low idle
- Open circuit breather
- Pattern changer, in cab
- Power receptacle, 12 volt, 2 internal, 1 external
- Power receptacle, 5 volt USB, 1 internal
- Power steering, hydrostatic
- Product Link<sup>™</sup>, satellite, network manager
- Product Link, cellular, network manager
- Seat belt, retractable, 51 mm (2 in)
- Seat mounted joystick controls: backhoe and loader, EH operated, excavator style with pattern changer
- Socket, two roof
- Stabilizers, EH Control, Auto-UP
- Stabilizer shoes, street
- Steering knob
- Seat, air suspension, vinyl cover, with armrest
- Starting system, glow plugs
- Steering column, tilting, telescopic
- Storage compartment, lockable
- Storage trav
- Stop and tail lights
- Swing transport lock
- Tires
- Toolbox, external, lockable
- Torque converter
- Throttle, hand and foot, electronic
- Transmission, 4 speed, powershift
- Transmission neutralizer switch
- Transport tie-downs
- Vandalism locks, four
- Warning horn, electric

#### **OPTIONAL EQUIPMENT**

- Auxiliary hydraulics, loader, adjustable flow
- Auxiliary hydraulics, rear, adjustable flow
- Battery, additional, 850 CCA
- Cab. deluxe
- Cold weather fuel (-30° C/-22° F)
- Cold weather package, including additional battery, engine block heater, radiator antifreeze, cold weather fuel (-30° C/-22° F) and mounting for an ether bottle
- Counterweights, 115 kg (255 lb), 240 kg (530 lb) or 460 kg (1,015 lb)
- Fenders, front with integral steps
- Guard, boom protection plate
- Guard, stabilizer, rock
- Hydraulic valves, loader with auxiliary roller thumb control (3rd valve for MP or Quick Coupler)
- Hydraulic valves, backhoe (5th and 6th function)

- Hydraulic lines, combined function auxiliary
- LED lights, working (2 front, 2 rear)
- Quick Coupler, hydraulic, dual lock
- Quick Coupler, manual, dual lock
- Quick Coupler, manual, pin lock
- Radio and CD player, Bluetooth®
- Ride Control
- Rotating beacon, magnetic mount
- Seat, air suspension, fabric with armrest
- Seat, air suspension, fabric with armrest, heated
- Seat belt, retractable, 75 mm (3 in)
- Security system, Bluetooth
- Security system, operator display
- Side mirrors, cab, external
- Single Tilt Loader Coupler, Integrated Tool Carrier (IT) Interface

- Stabilizer pads, reversible
- Stick, extendible
- Touch screen LCD Display: engine speed, hour meter, gear/direction, battery voltage, hydraulic oil temperature, torque converter temperature, coolant temperature, trip totals (fuel and hours), lifetime totals (fuel and hours), operator settings (units, brightness, programmable hoe auxiliary flow), service mode diagnostics, maintenance intervals, ECM/system info
- Transmission, AutoShift with lock-up torque converter, 6 speed
- Vandalism protection, gauge cover
- Work Tool Attachments such as buckets, forks, material handling arms, augers, hammers, brooms, cold planers and vibratory plate compactors. See your Cat dealer for more information.

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