352
Hydraulic Excavator

Technical Specifications

Configurations and features may vary by region. Please consult your Cat® dealer for availability in your area.

Table of Contents

352 Hydraulic Excavator Specifications

Engine

Engine Model	C13B	
Net Power		
ISO 9249	330 kW	443 hp
ISO 9249 (DIN)	449 hp (metric)	
Engine Power		
ISO 14396	332 kW	445 hp
ISO 14396 (DIN)	451 hp (metric)	
Bore	130 mm	5 in
Stroke	157 mm	6 in
Displacement	12.5 L	763 in^3
Biodiesel capability	Up to B20(1)	

- Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
- Recommended for use up to 4500 m (14,760 ft) altitude with engine power derate above 2600 m (8,530 ft).
- Advertised power is tested per the specified standard in effect at the time of manufacture.
- Net power is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler, and alternator with engine speed at 1,700 rpm.

(1)Cat® diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with 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.

* *While Cat engines are compatible with these alternative fuels, some regions may not allow their use.*

** *Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.*

*** *Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).*

Swing Mechanism

Swing Speed	8.3 rpm	
Maximum Swing Torque	189 kN·m	139,000 lbf·ft

Weights

Operating Weight	48 500 kg	106,900 lb

- Long undercarriage, Reach boom, R3.35TB (10'6") stick, Heavy Duty Excavation (HDX) 1.90 m^3 (2.48 yd^3) bucket, 600 mm (28") double triple grouser shoes, 9.8 mt (21,605 lb) counterweight.

Operating Weight	51 600 kg	113,800 lb

- Long undercarriage, Reach boom, R3.35TB (10'6") stick, HDX 2.10 m^3 (2.75 yd^3) bucket, 600 mm (28") double grouser shoes, 9.8 mt (21,605 lb) counterweight.

Track

Standard Track Shoes Width	600 mm	24 in
Optional Track Shoes Width	750 mm	30 in
Number of Shoes (each side)	52	
Number of Track Rollers (each side)	9	
Number of Carrier Rollers (each side)	2 – Fixed Gauge Undercarriage 3– Variable Gauge Undercarriage	

Drive

Maximum Gradeability	35°/70%	
Maximum Travel Speed	4.5 km/h	2.8 mph
Maximum Drawbar Pull	351 kN	78,908 lbf

Hydraulic System

Main System – Maximum Flow (Implement)	779 L/min (389 × 2 pumps)	206 gal/min (103 × 2 pumps)
Maximum Pressure – Equipment – Implement	35 000 kPa	5,076 psi
Maximum Pressure – Equipment – Lift Mode	38 000 kPa	5,511 psi
Maximum Pressure – Travel	35 000 kPa	5,076 psi
Maximum Pressure – Swing	26 000 kPa	3,771 psi
Boom Cylinder – Bore	170 mm	7 in
Boom Cylinder – Stroke	1524 mm	60 in
Stick Cylinder – Bore	190 mm	7 in
Stick Cylinder – Stroke	1758 mm	69 in
TB Bucket Cylinder – Bore	160 mm	6 in
TB Bucket Cylinder – Stroke	1356 mm	53 in

Service Refill Capacities

Fuel Tank Capacity	715 L	188.9 gal
Cooling System	52 L	13.7 gal
Engine Oil (with filter)	40 L	10.6 gal
Swing Drive	10.5 L	2.8 gal
Final Drive (each)	9.5 L	2.5 gal
Hydraulic System (including tank)	550 L	145.3 gal
Hydraulic Tank (including suction pipe)	217 L	57.3 gal
Diesel Exhaust Fluid (DEF) Tank	80 L	21.1 gal

Standards

Brakes	ISO 10265:2008
Cab/ Operator Protective Guards (OPG) (optional)	ISO 10262:1998 Level II
Cab/Rollover Protective Structure (ROPS)	ISO 12117-2:2008

Sound Performance

ISO 6395:2008 (external)	108 dB(A)
ISO 6396:2008 (inside cab)	73 dB(A)

- External Sound – The spectator sound power level is measured according to the test procedures and conditions specified in ISO 6395:2008 for a Cat machine that is properly equipped and maintained. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Internal Sound – The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/ windows open) for extended periods or in noisy environment(s).

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.

– If equipped with R134a (Global Warming Potential = 1430), the system contains 1.0 kg (2.2 lb) of refrigerant which has a CO_2 equivalent of 1.430 metric tonnes (1.576 tons).

– If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 0.85 kg (1.87 lb) of refrigerant which has a CO_2 equivalent of 0.001 metric tonnes (0.001 tons).

Operating Weights and Ground Pressures

Base Machine Configurations	600 mm (24") Triple Grouser Shoes		600 mm (24") Double Grouser Shoes		750 mm (30") Triple Grouser Shoes	
	Weight	Ground Pressure	Weight	Ground Pressure	Weight	Ground Pressure
	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)	kg (lb)	kPa (psi)
Base Frame with Single Frange Track Rollers and Carrier Rollers for Fixed Gauge (FG) Long Undercarriage						
9.8 mt (21,605 lb) Counterweight						
Reach Boom + R3.35 m (11'0") TB Stick + 3.30 m³ (4.32 yd³) General Duty Capacity (GDC) Bucket	48 900 (107,700)	84.7 (12.3)	48 700 (107,400)	84.8 (12.3)	49 400 (109,400)	68.8 (10.0)
Base Frame with Double Frange Track Rollers and Carrier Rollers for Fixed Gauge Long Undercarriage						
9.8 mt (21,605 lb) Counterweight						
Reach Boom + R3.35 m (11'0") TB Stick + 3.30 m³ (4.32 yd³) GDC Bucket	48 900 (107,800)	84.8 (12.3)	49 000 (108,000)	84.9 (12.3)	49 600 (109,400)	68.9 (10.0)
Base Frame with Double Frange Track Rollers and Carrier Rollers for Variable Gauge (VG) Long Undercarriage						
9.8 mt (21,605 lb) Counterweight						
Reach Boom + R3.35 m (11'0") TB Stick + 2.50 m³ (3.27 yd³) Severe Duty (SD) Bucket	51 600 (113,700)	84.9 (12.3)	51 700 (113,900)	84.9 (12.3)	52 300 (115,300)	69.0 (10.0)

All operating weights include a 90% fuel tank with 75 kg (165 lb) operator.

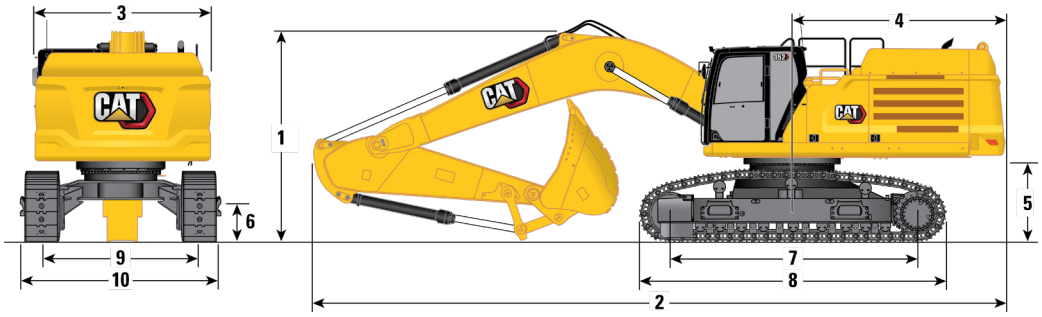
Major Component Weights

	kg	lb
Base Machine with 9.8 mt (21,605 lb) Counterweight, Standard Swing Frame, Base Frame with Single Frange Track Rollers and Carrier Rollers for Fixed Gauge Long Undercarriage	33 210	73,230
Base Machine with 9.8 mt (21,605 lb) Counterweight, Standard Swing Frame, Base Frame with Double Frange Track Rollers and Carrier Rollers for Fixed Gauge Long Undercarriage	33 250	73,310
Base Machine with 9.8 mt (21,605 lb) Counterweight, Standard Swing Frame, Base Frame with Double Frange Track Rollers and Carrier Rollers for Variable Gauge Long Undercarriage	36 010	79,380
Track Shoes:		
600 mm (24") Width, Thick, Triple Grouser Track Shoes for Fixed Gauge and Variable Gauge Long Undercarriage	5290	11,660
600 mm (24") Width, Thick, Double Grouser Track Shoes for Fixed Gauge and Variable Gauge Long Undercarriage	5400	11,900
750 mm (30") Width, Thick, Triple Grouser Track Shoes for Fixed Gauge and Variable Gauge Long Undercarriage	6040	13,320
Two Boom Cylinders	920	2,020
Weight of 90% Fuel Tank and 75 kg (165 lb) Operator	630	1,380
Counterweight:		
9.8 mt (21,605 lb) Counterweight	9800	21,610
Swing Frame:		
Standard Swing Frame	4290	9,450
Fixed Gauge (FG) and Variable Gauge (VG) Long Undercarriages:		
Base Frame with Single Frange Track Rollers and Carrier Rollers for Fixed Gauge Long Undercarriage	10 740	23,670
Base Frame with Double Frange Track Rollers and Carrier Rollers for Fixed Gauge Long Undercarriage	10 780	23,760
Base Frame with Single Frange Track Rollers and Carrier Rollers for Variable Gauge Long Undercarriage	13 230	29,170
Base Frame with Double Frange Track Rollers and Carrier Rollers for Variable Gauge Long Undercarriage	13 270	29,250
Boom (including lines, pins, stick cylinder):		
Reach Boom 6.9 m (22'8")	4520	9,960
Stick (including lines, pins, bucket cylinder, bucket linkage):		
Reach Stick R3.35TB (11'0")	2520	5,560
Buckets (without linkage):		
1.90 m^3 (2.48 yd^3) HDX for TB	2450	5,400
2.10 m^3 (2.75 yd^3) HDX for TB	2590	5,710
Quick Couplers (QC):		
CW Dedicated QC	770	1,690
Pin Grabber QC	1060	2,340

352 Hydraulic Excavator Specifications

Dimensions

All dimensions are approximate and may vary depending on bucket selection.

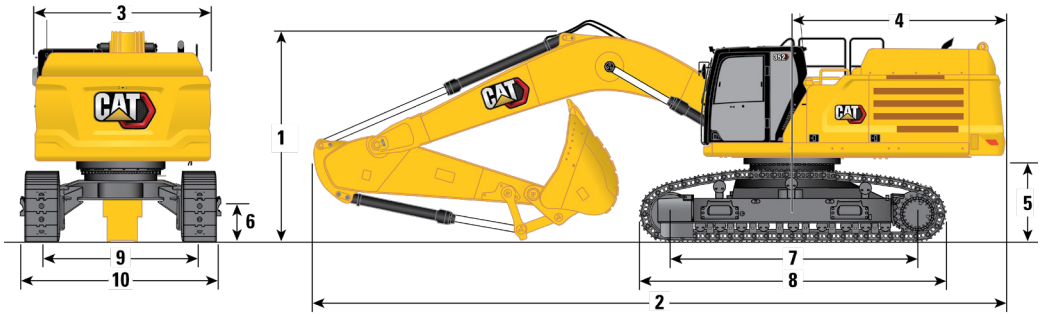


Boom Option	Reach Boom 6.9 m (22'8")			
Stick Option	**Reach Stick**			
	R3.35TB (11'0")			
Undercarriage Options	**Fixed Gauge**		**Variable Gauge**	
1 Machine Height:				
Cab Height	3230 mm	10'7"	3380 mm	11'1"
OPG Height	3370 mm	11'1"	3530 mm	11'7"
Guardrails/Handrails Height	3370 mm	11'1"	3530 mm	11'7"
With Boom/Stick/Bucket Installed	3670 mm	12'0"	3570 mm	11'9"
With Boom/Stick Installed	3580 mm	11'9"	3620 mm	11'11"
With Boom Installed	3090 mm	10'2"	3190 mm	10'6"
With Boom/Stick/Bucket Installed (with auxiliary lines)	3670 mm	12'0"	3600 mm	11'10"
With Boom/Stick Installed (with auxiliary lines)	3590 mm	11'9"	3640 mm	11'11"
With Boom Installed (with auxiliary lines)	3130 mm	10'3"	3230 mm	10'7"
2 Machine Length:				
With Boom/Stick/Bucket Installed	11 890 mm	39'0"	11 820 mm	38'9"
With Boom/Stick Installed	11 870 mm	38'11"	11 840 mm	38'10"
With Boom Installed	10 640 mm	34'11"	10 590 mm	34'9"
With Boom/Stick/Bucket Installed (with auxiliary lines)	11 890 mm	39'0"	11 820 mm	38'9"
With Boom/Stick Installed (with auxiliary lines)	11 870 mm	38'11"	11 840 mm	38'10"
With Boom Installed (with auxiliary lines)	10 640 mm	34'11"	10 590 mm	34'9"
3 Upperframe Width without Walkways	3020 mm	9'11"	3020 mm	9'11"
4 Tail Swing Radius	3760 mm	12'4"	3760 mm	12'4"
5 Counterweight Clearance				
FG Undercarriage (without shoe lug)	1280 mm	4'2"	—	—
VG Undercarriage (without shoe lug)	—	—	1435 mm	4'8"
6 Ground Clearance				
FG Undercarriage (without shoe lug)	475 mm	1'7"	—	—
VG Undercarriage (without shoe lug)	—	—	710 mm	2'4"
7 Length to Center of Rollers				
FG Undercarriage	4360 mm	14'4"	—	—
VG Undercarriage	—	—	4340 mm	14'3"
Bucket Type	GDC		SD	
Bucket Capacity	3.30 m^3	4.32 yd^3	2.50 m^3	3.27 yd^3
Bucket Tip Radius	1890 mm	6'2"	1912 mm	6'3"

(continued on next page)

Dimensions *(continued)*

All dimensions are approximate and may vary depending on bucket selection.

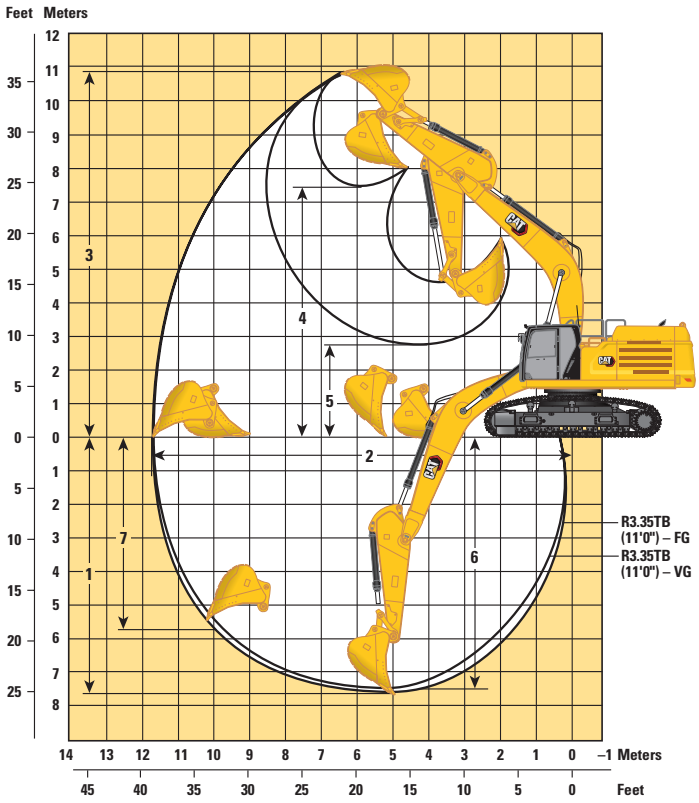


Boom Option	Reach Boom 6.9 m (22'8")	
Stick Option	**Reach Stick**	
	R3.35TB (11'0")	
Undercarriage Options		
8 Track Length		
FG Undercarriage with Triple Grouser Shoe	5370 mm	17'7"
9 Track Gauge		
Fixed Gauge Extended	2740 mm	9'0"
Variable Gauge Retracted	2390 mm	7'10"
Variable Gauge Extended	2890 mm	9'6"
10 Undercarriage Width (with steps): Fixed Gauge Undercarriage		
600 mm (24") Shoes	3530 mm	11'7"
750 mm (30") Shoes	3530 mm	11'7"
900 mm (35") Shoes	3640 mm	11'11"
Undercarriage Width (with steps): Variable Gauge Retracted		
600 mm (24") Shoes	3180 mm	10'5"
750 mm (30") Shoes	3180 mm	10'5"
900 mm (35") Shoes	3540 mm	11'7"
Track Width: Fixed Gauge Undercarriage		
600 mm (24") Shoes	3340 mm	10'11"
750 mm (30") Shoes	3490 mm	11'5"
900 mm (35") Shoes	3640 mm	11'11"
Track Width: Variable Gauge Undercarriage Retracted		
600 mm (24") Shoes	2990 mm	9'10"
750 mm (30") Shoes	3140 mm	10'4"
900 mm (35") Shoes	3540 mm	11'7"
Bucket Type	GDC	
Bucket Capacity	3.30 m^3	4.32 yd^3
Bucket Tip Radius	1890 mm	6'2"

352 Hydraulic Excavator Specifications

Working Ranges and Forces

All dimensions are approximate and may vary depending on bucket selection.



Boom Option	Reach Boom 6.9 m (22'8")			
Stick Option	Reach Stick			
	R3.35TB (11'0")			
Undercarriage Options	Fixed Gauge		Variable Gauge	
1 Maximum Digging Depth	7660 mm	25'2"	7530 mm	24'8"
2 Maximum Reach at Ground Line	11 730 mm	38'6"	11 730 mm	38'6"
3 Maximum Cutting Height	10 820 mm	35'6"	10 870 mm	35'8"
4 Maximum Loading Height	7430 mm	24'5"	7560 mm	24'10"
5 Minimum Loading Height	2750 mm	9'0"	2880 mm	9'5"
6 Maximum Depth Cut for 2440 mm (8'0") Level Bottom	7510 mm	24'8"	7380 mm	24'3"
7 Maximum Vertical Wall Digging Depth	5730 mm	18'10"	5150 mm	16'11"
Bucket Digging Force (ISO)	268 kN	60,200 lbf	264 kN	59,300 lbf
Stick Digging Force (ISO)	199 kN	44,700 lbf	200 kN	45,000 lbf
Bucket Type	GDC		SD	
Bucket Capacity	3.30 m^3	4.32 yd^3	2.50 m^3	3.27 yd^3
Bucket Tip Radius	1890 mm	6'2"	1912 mm	6'3"

(continued on next page)

Bucket Specifications and Compatibility

		Width		Capacity		Weight		Fill	Long Fixed Gauge Undercarriage	Long Variable Gauge Undercarriage
									9.8 mt (21,605 lb) Counterweight	
									Reach Boom 6.9 m (22'8")	
	Linkage	mm	in	m^3	yd^3	kg	lb	%	R3.35TB (11'0")	
Pin-On (No Quick Coupler)										
GDX	TB	1500	59	1.90	2.48	1857	4,094	100	●	●
	TB	1600	63	2.00	2.62	1904	4,197	100	●	●
HDX	TB	1550	61	1.90	2.48	2275	5,015	100	●	●
	TB	1700	67	2.10	2.75	2415	5,324	100	●	●
HD	TB	1650	66	2.41	3.15	2220	4,894	100	◉	●
SD	TB	1700	67	2.41	3.15	2496	5,502	90	●	●
	TB	1850	74	2.69	3.52	2696	5,943	90	◉	●
Maximum load with pin-on (payload + bucket)								kg	6910	7780
								lb	15,234	17,152
With Pin Grabber Coupler										
GDX	TB	1500	59	1.90	2.48	1857	4,094	100	●	●
	TB	1600	63	2.00	2.62	1904	4,197	100	◉	●
HDX	TB	1550	61	1.90	2.48	2275	5,015	100	◉	●
	TB	1700	67	2.10	2.75	2415	5,324	100	⊖	●
HD	TB	1650	66	2.41	3.15	2220	4,894	100	⊖	◉
SD	TB	1700	67	2.41	3.15	2496	5,502	90	⊖	◉
	TB	1850	74	2.69	3.52	2696	5,943	90	○	⊖
Maximum load with coupler (payload + bucket)								kg	5885	6755
								lb	12,975	14,893

The above loads are in compliance with hydraulic excavator standard EN 474-5:2022/AC:2022, they do not exceed 87% of hydraulic lifting capacity or 75% of tipping capacity with front linkage fully extended at ground line with bucket curled.

Capacity based on ISO 7451:2007.

Bucket weight with long tips.

Maximum Material Density:

- ● 2100 kg/m^3 (3,500 lb/yd^3)
- ◉ 1800 kg/m^3 (3,000 lb/yd^3)
- ⊖ 1500 kg/m^3 (2,500 lb/yd^3)
- ○ 1200 kg/m^3 (2,000 lb/yd^3)

Caterpillar recommends using appropriate work tools to maximize the value customers receive from our products. Use of work tools, including buckets, which are outside of Caterpillar's recommendations or specifications for weight, dimensions, flows, pressures, etc. may result in less-than-optimal performance, including but not limited to reductions in production, stability, reliability, and component durability. Improper use of a work tool resulting in sweeping, prying, twisting and/or catching of heavy loads will reduce the life of the boom and stick.

Typical Pass Match Guide

For maximum production and efficiency, we recommend that loading and hauling machines are matched to achieve optimal performance.

Configuration:*
Long undercarriage, Reach boom, R3.35TB (10'6") stick, Heavy Duty Excavation (HDX) 1.90 m³ (2.48 yd³) bucket, 600 mm (28") double triple grouser shoes, 9.8 mt (21,605 lb) counterweight.

Passes Required to Fill Trucks to Rated Capacity

Material Type	Material Density	Cat Articulated Trucks							Cat Off-Highway Trucks			
		725	730 EJ	730	735	740 GC	740 EJ	745	770G	772G	773E	773G
Earth	1600 kg/m³ (2,700 lb/yd³)	8	9	9	11	13	12	13	13	15	18	18
Limestone	1540 kg/m³ (2,600 lb/yd³)	9	11	10	12	14	14	16	15	18		

** The indicated pass match reflects the machine configuration, fill factor, and typical material density shown. Changes to machine configurations, fill factors, or material density as well as jobsite-specific factors may influence exact pass match recommendations for your application. Consult your Cat dealer for more information.*

Configuration:*
Long undercarriage, Reach boom, R3.35TB (10'6") stick, HDX 2.10 m³ (2.75 yd³) bucket, 600 mm (28") double grouser shoes, 9.8 mt (21,605 lb) counterweight.

Passes Required to Fill Trucks to Rated Capacity

Material Type	Material Density	Cat Articulated Trucks							Cat Off-Highway Trucks				
		725	730 EJ	730	735	740 GC	740 EJ	745	770G	772G	773E	773G	775G
Earth	1600 kg/m³ (2,700 lb/yd³)	7	8	8	10	11	11	12	11	14	17	16	19
Limestone	1540 kg/m³ (2,600 lb/yd³)	8	10	9	11	13	12	14	13	16	19	19	

** The indicated pass match reflects the machine configuration, fill factor, and typical material density shown. Changes to machine configurations, fill factors, or material density as well as jobsite-specific factors may influence exact pass match recommendations for your application. Consult your Cat dealer for more information.*

Attachments Offering Guide

Not all Attachments are available in all regions. Consult your Cat dealer for configurations available in your region.

✓ Match

† Allowed usage on machine less than 50%

PIN-ON ATTACHMENTS			
Undercarriage		**L**	**L-VG**
Counterweight		**9.8 mt (21,605 lb)**	
Boom Type		**Reach**	
Stick Length		**3.35 m (11'0")**	
Hydraulic Hammers	H160 S	✓	✓
	H180 S	✓	✓
	H190 S	✓	✓
Mobile Scrap and Demolition Shears	S3050 Flat Top	✓	✓
Rotary Cutters	RC50	✓	✓

CAT PIN GRABBER COUPLER ATTACHMENTS			
Undercarriage		**L**	**L-VG**
Counterweight		**9.8 mt (21,605 lb)**	
Boom Type		**Reach**	
Stick Length		**3.35 m (11'0")**	
Hydraulic Hammers	H160 S	✓	✓
	H180 S	✓†	✓†
Rotary Cutters	RC50	✓	✓

BOOM-MOUNT ATTACHMENTS			
Undercarriage		**L**	**L-VG**
Counterweight		**9.8 mt (21,605 lb)**	
Boom Type		**Reach**	
Mobile Scrap and Demolition Shears	S2090	✓	✓
	S3070 Flat Top	✓	✓
	S3090 Flat Top	✓	✓

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat® dealer for details.

	Standard	Optional
BOOMS, STICKS AND LINKAGES		
6.9 m (22'8") Reach boom	✓	
3.35 m (11') Reach stick	✓	
TB bucket linkage		✓
CAT® TECHNOLOGY		
Cat Equipment Management:		
– VisionLink™	✓[1]	
– Remote Flash	✓	
– Remote Troubleshoot	✓	
– Work tool recognition and tracking (PL161)	✓	
– Operator Coaching		✓[2]
Cat Grade:		
– Cat Grade with 2D	✓	
– Cat Grade with 2D with Attachment Ready Option (ARO)		✓
– Laser catcher		✓
– Cat Grade with 3D (single or dual Global Navigation Satellite System [GNSS])		✓
– Compatible with 3D grade systems from Trimble, Topcon, and Leica	✓	
– Cat Grade 3D Ready		✓
– Cat Grade Connectivity		✓[2]
Cat Assist:		
– Grade Assist	✓	
– Boom Assist	✓	
– Bucket Assist	✓	
– Swing Assist	✓	
– Lift Assist	✓	
Cat Payload:		
– On-the-go weighing	✓	
– Semiautomatic calibration	✓	
– Payload/cycle information	✓	
– VisionLink back office reporting		✓[2]
Cat Advanced Payload:		
– Daily totals		✓
– Custom lists		✓
– Smart weight target		✓
– E-ticket Integration		✓[2]
Other:		
Cat Tiltrotator (TRS) integration		✓

	Standard	Optional
ELECTRICAL SYSTEM		
Maintenance-free 1,000 CCA batteries (×4)	✓	
Centralized electrical disconnect switch	✓	
LED exterior chassis and boom lights	✓	
Premium surround working lights		✓
ENGINE		
115 Amp alternator	✓	
Cold start block heaters		✓
Three selectable modes: Power, Smart, Eco	✓	
Auto engine speed control	✓	
52° C (126° F) high-ambient cooling	✓	
Hydraulic reverse fan	✓	
–18° C (0° F) cold start capability	✓	
–32° C (–25° F) cold start capability		✓
Double element air filter with integrated pre-cleaner	✓	
Dual stage four micron main filter	✓	
Inlet air heater		✓
Engine oil sensor		✓
10 micron primary filter with water separator	✓	
Electric fuel priming pump	✓	
Secure start with PIN code	✓	
Remote disable	✓	
HYDRAULIC SYSTEM		
Boom and stick regeneration circuit	✓	
Electronic main control valve	✓	
Auto hydraulic oil warmup	✓	
Bio hydraulic oil capability	✓	
Reverse swing damping valve	✓	
Auto swing parking brake	✓	
High performance hydraulic return filter	✓	
Two speed travel	✓	
Combined two-way auxiliary circuit		✓
Medium-pressure auxiliary circuit		✓
Hydraulic efficiency monitoring		✓

[1]Provides core telematics data to manage health, maintenance insights, and condition monitoring. Other plans available for more comprehensive data reporting. Consult your Cat dealer for details.

[2]VisionLink subscription required. Consult your Cat dealer for details.

(continued on next page)

Standard and Optional Equipment *(continued)*

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional
SAFETY AND SECURITY		
Cat Command remote control		✓
2D E-Fence: – E-ceiling – E-floor – E-swing – E-wall – E-cab avoidance	✓	
Auto hammer stop	✓	
Caterpillar One Key security system	✓	
Lockable external tool/storage box	✓	
Lockable door, fuel, and hydraulic tank locks	✓	
Lockable fuel drain compartment	✓	
Service platform with anti-skid plate and recessed bolts	✓	
Right Hand (RH) handrail and handhold	✓	
Signaling/warning horn	✓	
Travel alarm		✓
Swing alarm		✓
Ground-level secondary engine shutoff switch	✓	
Lockable disconnect switch	✓	
Boom lowering check valve	✓	
Stick lowering check valve	✓	
Rear and right-hand-sideview cameras	✓	
360° visibility		✓
Inspection lighting		✓

	Standard	Optional
SERVICE AND MAINTENANCE		
Integrated vehicle health management system	✓	
Grouped engine oil and fuel filters	✓	
S·O·S℠ ports	✓	
UNDERCARRIAGE AND STRUCTURES		
Towing eye on base frame	✓	
Full-length track guiding guards		✓
Segmented three-piece track guiding guards		✓
Swivel guard	✓	
HD bottom guard	✓	
HD travel motor guards	✓	
HD rollers	✓	
Grease lubricated track	✓	
HD swing frame	✓	
HD swing bearing	✓	
9.4 mt (20,723 lb) removable counterweight		✓
9.8 mt (21,605 lb) counterweight		✓
600 mm (24") double grouser shoes		✓
600 mm (24") triple grouser track shoes		✓
750 mm (30") triple grouser track shoes		✓

352 Cab Options

Cab Options

	Deluxe	Premium (2P)	Premium (1P)
ROPS	○*	○*	○*
Operator Protective Guards (OPG)	○	○	○
High-resolution 203 mm (8") LCD touchscreen monitor	●	X	X
High-resolution 254 mm (10") LCD touchscreen monitor	○	●	●
Auto bi-level air conditioner	●	●	●
Jog dial and shortcut keys for monitor control	●	●	●
Keyless push-to-start engine control	●	●	●
Height-adjustable console	●	●	●
Tilt-up left-side console	●	●	●
Heated air-suspension Deluxe seat	●	X	X
Heated and ventilated air-suspension Premium seat	X	●	●
51 mm (2") seat belt	●	●	●
Monitor integrated Bluetooth® radio with USB/Auxiliary ports	●	●	●
12V DC outlets	●	●	●
Document storage	●	●	●
Overhead storage and rear storage with nets	●	●	●
Beverage holder	●	●	●
Cup holder	●	●	●
Openable two-piece front window	●	●	○
One piece front windshield	X	○	●
Rear window emergency exit	●	●	●
Radial wiper with washer	●	X	X
Parallel wiper	X	●	●
Openable polycarbonate skylight hatch	●	●	X
Laminated roof glass	X	X	●
LED dome light	●	●	●
Floor welcome light	●	●	●
Roof sunscreen	●	●	●
Roller front sunscreen	●	●	●
Roller rear sunscreen	○	●	●
Washable floor mat	●	●	●
Beacon ready	●	●	●
Cat Stick Steer	○	○	○
Auxiliary relay	○	○	○

● Standard

○ Optional

X Not available

* ROPS is available on machine configurations under 50 metric tons

Dealer Installed Kit and Attachments

Attachments may vary. Consult your Cat dealer for details.

CAB

- Radial lower wiper
- Left Hand (LH)/RH electrical pedal for tool control
- Horizontal slider joysticks
- Rain protector plus cab light cover
- 75 mm (3") retractable seat belt

ELECTRICAL

- Premium surround working lights

GUARDS

- Mesh guard full front
- Mesh guard lower half front
- Full protecting vandalism guard

SAFETY AND SECURITY

- Bluetooth receiver kit
- Bluetooth key fob
- Operator Protective Guards
- Cat Detect – People Detection
- Cat Command – Remote control kit

352 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 https://www.caterpillar.com/en/company/sustainability.

Engine

- The Cat® C13B engine meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) and are compatible* with 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.

* *While Cat engines are compatible with these alternative fuels, some regions may not allow their use.*

** *Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.*

*** *Engines with no aftertreatment devices are compatible with higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).*

Air Conditioning System

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas.

- If equipped with R134a (Global Warming Potential = 1430), the system contains 1.0 kg (2.2 lb) of refrigerant which has a CO_2 equivalent of 1.430 metric tonnes (1.576 tons).
- If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 0.85 kg (1.87 lb) of refrigerant which has a CO_2 equivalent of 0.001 metric tonnes (0.001 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

ISO 6395:2008 (external) – 108 dB(A)

ISO 6396:2008 (inside cab) – 73 dB(A)

- External Sound – The spectator sound power level is measured according to the test procedures and conditions specified in ISO 6395:2008 for a Cat machine that is properly equipped and maintained. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Internal Sound – The operator sound pressure level is measured according to the test procedures and conditions specified in ISO 6396:2008 for a cab offered by Caterpillar, when properly installed and maintained and tested with the door and windows closed. The measurements were conducted at 70% of the maximum engine cooling fan speed.
- Hearing protection may be needed when operating with an open operator station and cab (when not properly maintained for doors/windows open) for extended periods or in noisy environment(s).

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.
  - Smart mode matches machine power to digging requirements automatically
  - Eco mode supports reduced fuel consumption for light applications
  - Utilizing Cat technologies can help increase operating efficiencies.
  - Reduce fuel consumption with the high-efficiency hydraulic fan that cools the engine on demand
  - Extended service intervals help decrease maintenance costs

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
Steel	83.09%
Iron	8.97%
Nonferrous Metal	1.66%
Mixed Metal	0.04%
Mixed-Metal and Nonmetal	0.72%
Plastic	0.62%
Rubber	0.16%
Mixed Nonmetallic	0.13%
Fluid	2.97%
Other	1.64%
Uncategorized	0.00%
Total	100%

- 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 – 98%

オフロード法２０１４年
基準適合

国土交通省指定
低騒音型建設機械

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at **www.cat.com**

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

Based on the Labor, Safety and Health Laws in Japan, employer of small construction equipment are required to provide specific training for all operators on machines with ship weight less than 3 metric ton. For machines greater than 3 metric ton, operator needs to obtain operator license certification from a Government approved registered training school.

AEXQ4059-01 (12-2025)
Replaces: AEXQ4059-00
Build Number: 08D
(Japan)

CAT®