

Product Specifications For 352 UHD



Weights

Operating Weight	64500 kg
Note (1)	Hydraulic Variable Gauge undercarriage, 28 m (91'10") UHD front, 600 mm (24") triple grouser shoes and 12 mt (26,455 lb) counterweight. No work tool.
Machine Weight - Retrofit Configuration	63000 kg
Note (3)	Hydraulic Variable Gauge undercarriage, Retrofit boom, R3.35TB (10'6") stick, HD 2.41 m ³ (3.15 yd ³) bucket, 600 mm (24") triple grouser shoes and 12 mt (26,455 lb) counterweight.
UHD in Cradle	11800 kg
Retrofit Boom in Cradle - R3.9 TB Stick	7630 kg
Retrofit Boom in Cradle - R3.35 TB Stick	7460 kg
Retrofit Boom in Cradle - R2.9 TB Stick	7150 kg

Working Ranges And Forces

Maximum Pin Height at Stick Nose	27.7 m
Maximum Weight at Stick Nose	3700 kg
Maximum Working Pin Height at Stick Nose - 1/2	22930 mm
Maximum Working Reach at Stick Nose - 1/2	13850 mm
Maximum Height at Stick Nose in Max Reach Position	16110 mm
Maximum Reach at Stick Nose	15770 mm

Note (1)

28 m (91' 10") UHD Front Over-the-Front

Engine

Engine Model	Cat C13B
Net Power - ISO 9249	330 kW
Net Power - ISO 9249 (DIN)	448.7 hp (metric)
Engine Power - ISO 14396	332 kW
Engine Power - ISO 14396 (DIN)	451.4 hp (metric)
Bore	130 mm
Stroke	157 mm
Displacement	12.5 l
Biodiesel Capability	Up to B20 ¹
Emissions	Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
Note (1)	Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system, and alternator with engine speed at 1,800 rpm. Advertised power is tested per the specified standard in effect at the time of manufacture.

Note (2)

¹Cat 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 Caterpillar 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).

Hydraulic System

Main System - Maximum Flow

779 l/min (206 gal/min)

Maximum Pressure - Equipment

35000 kPa

Maximum Pressure - Equipment - Lift Mode

38000 kPa

Maximum Pressure - Travel

35000 kPa

Maximum Pressure - Swing

26000 kPa

Swing Mechanism - UHD Fronts

Swing Speed

4.4 r/min

Swing Mechanism

Swing Speed

8.3 r/min

Maximum Swing Torque

189 kN·m

Service Refill Capacities

Fuel Tank Capacity

715 l

Cooling System

52 l

Engine Oil

40 l

Swing Drive - Each	10.5 l
Final Drive - Each	9.5 l
Hydraulic System - Including Tank	550 l
Hydraulic Tank	217 l
DEF Tank	80 l

Dimensions

Note (1)	28 m (91'10") UHD Front
Shipping Height - Top of Cab	3390 mm
Cab Height - With OPG	3590 mm
Shipping Length	18830 mm
Tail Swing Radius	3760 mm
Counterweight Clearance	1435 mm
Ground Clearance	510 mm
Track Length	5770 mm
Track Length to Center of Rollers	4770 mm
Working Gauge - Extended Position	3400 mm
Shipping Gauge - Retracted Position	2400 mm
Transport Width	3255 mm
Machine Length - without Front, with Counterweight	7770 mm

Machine Length - without Front and Counterweight	7600 mm
Track Width - Extended	4000 mm
Track Width - Retracted	3000 mm
Note (2)	600 mm (24") Track Shoes

Working Ranges And Forces - Retrofit Boom - Straight

Note 1	Straight - R3.35 m (11'0") Stick (Over-the-Front)
Bucket	GD 3.08 m³ (4.03 yd³)
Maximum Pin Height at Stick Nose	12.13 m
Maximum Weight at Stick Nose	5820 kg
Maximum Height at Stick Nose in Max Reach Position	2340 mm
Maximum Reach at Stick Nose	11130 mm
Maximum Digging Depth	5180 mm
Maximum Reach - Ground Level	12790 mm
Maximum Loading Height	10250 mm
Minimum Loading Height	4580 mm
Bucket Digging Force - ISO	268 kN
Stick Digging Force - ISO	199 kN

Working Ranges And Forces - Retrofit Boom - Bent

Note 1	Bent - R3.35TB m (11'0") Stick
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Bucket	GD 3.08 m ³ (4.03 yd ³)
Maximum Digging Depth	6670 mm
Maximum Reach - Ground Level	11880 mm
Maximum Cutting Height	10690 mm
Maximum Loading Height	7500 mm
Minimum Loading Height	3050 mm
Bucket Digging Force - ISO	268 kN
Stick Digging Force - ISO	199 kN

Air Conditioning System

Air Conditioning	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 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).
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352 UHD Standard Equipment

NOTE

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

CAB

Tilt-up demolition cab with P5A 10 mm laminated front and roof glass
 High-resolution 254 mm (10") LCD touchscreen monitor
 Heated and cooled seat with automatic adjustable suspension
 Bluetooth® integrated radio with USB, aux port and microphone
 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
 Cat Stick Steer

Tilt rocker switch
Sky wiper switch
LED interior lights
Roller front sunscreen
Fixed one-piece P5A skylight hatch
P5A fixed windshield

CAT TECHNOLOGY

VisionLink™
Remote Flash
Cat Payload

ELECTRICAL SYSTEM

Maintenance-free 1,000 CCA batteries
Centralized electrical disconnect switch
LED chassis lights - 1,800 lumens

ENGINE

Three selectable modes: Power, Smart, Eco
Auto engine speed control
Up to 4500 m (14,760 ft) altitude capability
Reversing fan
52° C (126° F) high-ambient cooling
-18° C (0° F) cold start capability
Double element air filter with integrated pre-cleaner

HYDRAULIC SYSTEM

Boom lowering check valve (BLCV) for UHD front (mandatory for Europe)
Stick lower check valve (SLCV) for UHD front (mandatory for Europe)
SmartBoom™ with BLCV and Overload Warning Device for UHD front (Europe only)
Boom and stick regeneration circuit
Electronic main control valve
Auto hydraulic oil warmup
Auto swing parking brake
High Performance hydraulic return filter
Two-speed travel
Bio hydraulic oil capability

SAFETY AND SECURITY

2D E-Fence (swing)
Auto hammer stop
Caterpillar One Key security system
Lockable external tool/storage box
Lockable door, fuel, and hydraulic tanks
Lockable fuel drain compartment
Lockable disconnect switch

Service platform with anti-skid plate and recessed bolts
Rear and right-hand side cameras
Operator Protective Guards (OPG)

SERVICE AND MAINTENANCE

Grouped location of engine oil and fuel filters
Scheduled Oil Sampling (S·O·SSM) ports
Integrated vehicle health management system

UNDERCARRIAGE AND STRUCTURES

Hydraulic Variable Gauge undercarriage
Full-length track guiding guards
HD travel motor guard
HD bottom guard

352 UHD Optional Equipment

NOTE

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

BOOMS AND STICKS

28 m (91'10") UHD front
9.1 m (29'10") Retrofit boom
2.9 m (9'6") Retrofit stick
3.35 m (11'0") Retrofit stick
3.9 m (12'10") Retrofit stick
Advanced tool control, UHD
Bucket linkage, TB family with lifting eye, Cat Grade
Bucket linkage, UHD dedicated, C family with lifting eye
Transport cradle for front

CAB

Roller rear sunscreen

CAT TECHNOLOGY

Cat Advanced Payload

ELECTRICAL SYSTEM

Premium surround lighting package

ENGINE

-32° C (-25° F) cold start capability
Cold start block heaters
Ether starting aid

SAFETY AND SECURITY

Swing alarm

Travel alarm (mandatory for North America)

360° visibility

Bluetooth® receiver

Inspection lighting

SERVICE AND MAINTENANCE

QuickEvac™ maintenance ready

Electric refueling pump with auto shutoff (Europe only)

UNDERCARRIAGE AND STRUCTURES

600 mm triple grouser track shoes

700 mm triple grouser track shoes

Fixed counterweight

Hydraulic counterweight removal