

PRODUCT SPECIFICATIONS FOR 323

ENGINE

Net Power - ISO 9249	128 kW
-----------------------------	--------

Engine Model	Cat C7.1e TA
---------------------	--------------

Engine Power - ISO 14396	129 kW
---------------------------------	--------

Bore	105 mm
-------------	--------

Stroke	135 mm
---------------	--------

Displacement	7.01 l
---------------------	--------

HYDRAULIC SYSTEM

Main System - Maximum Flow	429 l/min (113 gal/min)
-----------------------------------	-------------------------

Maximum Pressure - Equipment	35000 kPa
-------------------------------------	-----------

Maximum Pressure - Travel	34300 kPa
----------------------------------	-----------

Maximum Pressure - Swing	27500 kPa
---------------------------------	-----------

SWING MECHANISM

Swing Speed	11.25 r/min
--------------------	-------------

Maximum Swing Torque	82 kN·m
-----------------------------	---------

WEIGHTS

Operating Weight	25500 kg
-------------------------	----------

SERVICE REFILL CAPACITIES

Fuel Tank Capacity	345 l
Cooling System	25 l
Engine Oil	25 l
Swing Drive - Each	12 l
Final Drive - Each	5 l
Hydraulic System - Including Tank	234 l
Hydraulic Tank	115 l
DEF Tank	41 l

DIMENSIONS

Boom	Reach 5.7 m (18'8")
Stick	Reach 2.9 m (9'6")
Bucket	HD 1.19 m ³ (1.56 yd ³)
Shipping Height - Top of Cab	2960 mm
Handrail Height	2950 mm
Shipping Length	9530 mm
Tail Swing Radius	2830 mm
Counterweight Clearance	1050 mm
Ground Clearance	470 mm
Track Length	4450 mm
Length to Center of Rollers	3650 mm
Track Gauge	2380 mm
Transport Width	3170 mm

WORKING RANGES & FORCES

Maximum Digging Depth	6730 mm
Boom	Reach 5.7 m (18'8")
Stick	Reach 2.9 m (9'6")
Bucket	HD 1.19 m ³ (1.56 yd ³)
Maximum Reach at Ground Level	9870 mm
Maximum Cutting Height	9450 mm
Maximum Loading Height	6480 mm
Minimum Loading Height	2160 mm
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	6550 mm
Maximum Vertical Wall Digging Depth	5740 mm
Bucket Digging Force - ISO	1501 kN
Stick Digging Force - ISO	106 kN

323 STANDARD EQUIPMENT

NOTE

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

CAT TECHNOLOGY

Cat GRADE with 2D

Cat Assist (Boom Assist, Bucket Assist, Swing Assist, Grade Assist)

Auto Dig Boost

Cat Payload (Cat Payload, Static Weigh, Auto-Calibration)

2D E-fence

Cat Product Link™

ENGINE

Cat C7.1 electronically-controlled turbo-charged Tier 4 Final diesel engine

Meets U.S. EPA Tier 4 Final and EU Stage IV emissions standards.

Three selectable power modes

One-touch low idle with auto engine speed control

Auto engine idle shutdown

Recommended for use up to 4500 m altitude (14,764 ft) with engine power derate above 3000 m (9,842.5 ft).

46° C (115° F) high-ambient cooling capacity

Cold starting capability for - 32° C (- 25° F)

Double element air filter with integrated pre-cleaner

Electric fuel priming pump

Reversible electric cooling fans

Biodiesel capability up to B20

HYDRAULIC SYSTEM

Boom and stick regeneration circuits

Electronic main control valve

Auto warm up

Auto two-speed travel

Boom and stick drift reduction valve

Element type main hydraulic filter

Slider joysticks

Electronic main pump

Electric refueling pump (Europe only)

STANDARD DELUXE CAB

ROPS, standard sound suppression

High-resolution 8" (203 mm) 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, infinite with no tool

Air-adjustable seat suspension

Seat belt, retractable (51 mm [2 "] width)

Seat Heater

Tilt-up left side console

Bluetooth® integrated radio with USB ports

12V DC outlets

Document storage

Cup and bottle holders

Two-piece front window, openable

Upper Radial wiper with 70/30 w/washer

LED dome and lower interior lights

Roller front sunscreen

Beacon ready

Washable floor mat

Polycarbonate skylight hatch, openable

UNDERCARRIAGE AND STRUCTURES

Tiedown points on base frame

Segmented track guiding guards

Bottom guards

Travel motor guards

Grease lubricated track links

Swivel guard for demolition

Final drive with standard travel motor

5400 kg (11,900 lb) counterweight for demolition

HD swing frame for 5400 kg counterweight

HD swing bearing for 5400 kg counterweight

HD base frame with SD track rollers and standard carrier rollers for 5400 kg counterweight

600 mm (24 ") triple grouser track shoes

BOOM, STICKS AND LINKAGES

5.7 m (18'8") reach boom

2.9 m (9'6 ") stick

Bucket Linkage, B1-family w/ lifting Eye

ELECTRICAL

1000 CCA maintenance-free batteries (x2)

Centralized electrical disconnect switch

Programmable time-delay LED working lights

LED chassis light, left and right hand boom lights for reach, Cab lights-850 Lumens

SAFETY & SECURITY

Rearview camera and side right hand mirror

Neutral lever (lock out) for all controls

Anti-skid plate and countersunk bolts on service platform

Ground-level accessible secondary engine shutoff switch in cab

Bluetooth receiver

Right-hand handrail and hand hold

Travel alarm (US only)

SERVICE & MAINTENANCE

Sampling ports for Scheduled Oil Sampling (S·O·SSM)

Grouped location for engine oil and fuel filters

Ground-level 2nd dipstick for engine oil

323 OPTIONAL EQUIPMENT

NOTE

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

CAT TECHNOLOGY

Cat GRADE with Advanced 2D

Cat GRADE with 3D

ENGINE

52° C (125° F) high-ambient cooling capacity

HYDRAULIC SYSTEM

- Hammer return filter circuit
- Combined flow/high pressure aux circuit
- Medium pressure aux circuit
- Quick coupler circuit for Cat Pin Grabber
- Boom /Stick lowering check valves (BLCV/SLCV)
- Heavy lift configuration

UNDERCARRIAGE AND GUARDS

- HD bottom guard for demolition
- Swivel guard for demolition
- HD travel motor guards for demolition
- 4200 kg (9,260 lb) counterweight
- Semi-HD swing frame for 4200 kg counterweight
- Standard Swing bearing for 4200 kg counterweight
- Base frame with HD track rollers and standard carrier rollers for 4200 kg counterweight
- Track guiding guard, full length
- SD base frame w/ SD track rollers & SD carrier rollers

UNDERCARRIAGE AND STRUCTURES

- 600 mm (24") single grouser track shoes
- 700 mm (28 ") triple grouser HD track shoes
- 790 mm (31 ") triple grouser HD track shoes
- 900 mm (35") triple grouser HD track shoes

BOOM,STICKS & LINKAGES

- 5.7 m (18'8") HD reach boom +2.9 m (9'6") HD stick for demolition
- VA boom (2.8m (9'2") stub + 3.3m (10'10") fore) - Europe only
- Bucket linkage, B1-family with lifting eye
- Bucket linkage , B1-family without power link with Lifting Eye (Europe only)
- Power link kit R1-family with lifting Eye (Europe only)

Power windows, 27" Rainy Weathering Eye (Europe only)

ELECTRICAL SYSTEM

1000 CCA maintenance-free batteries (x4) for cold starting capability -32C°

LED chassis light, left and right hand boom lights ,cab lights w/ cover and rain protector - 850 lumens, for use with 360° visibility

LED chassis light, left and right hand boom lights for VAB, cab lights - 850 lumens (Europe only)

LED chassis light, left and right hand boom lights for VAB, cab lights w/ cover and rain protector - 850 lumens, for use with 360° visibility (Europe only)

Premium surround lighting package

SERVICE & MAINTENANCE

Preventative maintenance ready (Quick-Evac)

Radiator screen

SAFETY & SECURITY

360° visibility

Right hand side mirror (Europe only)

Rearview and right-hand-sideview camera

Cat Command remote control

PREMIUM CAB UPGRADES, STANDARD PLUS

ROPS, advanced sound suppression

High resolution 10" (254 mm) LCD touch screen monitor (only for use with 360° visibility).

High resolution 10" (254 mm) LCD touch screen monitor + additional monitor (only for use with 360° visibility and Cat Grade with Advanced 2D or Cat Grade with 3D).

Seat ventilator

Parallel wiper with lower parallel w/wisher

Roller rear sunscreen

Rain protector and cab light covers (only for use with 360° visibility).

BUCKET

HD buckets 1.19m³ (1.56yd³), 1.3m³ (1.71yd³), 1.38m³ (1.81 yd³)