

Product Specifications For 345 GC



Engine

Net Power - ISO 9249	258 kW
Engine Model	Cat C9.3
Engine Power - ISO 14396	259 kW
Bore	115 mm
Stroke	149 mm
Displacement	9.3 l

Hydraulic System

Main System - Maximum Flow	630 l/min (166 gal/min)
Maximum Pressure - Equipment	35000 kPa
Maximum Pressure - Travel	35000 kPa
Maximum Pressure - Swing	28000 kPa

Swing Mechanism

Swing Speed	8.27 r/min
Maximum Swing Torque	155 kN·m

Weights

Operating Weight	42200 kg
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Service Refill Capacities

Fuel Tank Capacity	600 l
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Cooling System	40 l
Engine Oil	32 l
Swing Drive	13.5 l
Final Drive - Each	8 l
Hydraulic System - Including Tank	423 l
Hydraulic Tank	186 l

Dimensions

Boom	Reach 6.9m (22.8'")
Stick	R2.9TB (9'6'")
Bucket	HD 2.41 m ³ (3.15 yd ³)
Shipping Height - Top of Cab	3230 mm
Handrail Height	3370 mm
Shipping Length	11600 mm
Tail Swing Radius	3530 mm
Counterweight Clearance	1300 mm
Ground Clearance	520 mm
Track Length	5030 mm
Track Length to Center of Rollers	4040 mm
Track Gauge	2740 mm

Transport Width

3340 mm

Working Ranges And Forces

Maximum Digging Depth	7200 mm
Boom	Reach 6.9m (22.8'")
Stick	R2.9TB (9'6'")
Bucket	HD 2.41 m ³ (3.15 yd ³)
Maximum Reach at Ground Level	11290 mm
Maximum Cutting Height	10540 mm
Maximum Loading Height	7210 mm
Minimum Loading Height	3130 mm
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	7040 mm
Maximum Vertical Wall Digging Depth	5390 mm
Bucket Digging Force - ISO	235 kN
Stick Digging Force - ISO	180 kN

345 GC Standard Equipment

NOTE

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

CAB

ROPS, standard sound suppression

High-resolution 203 mm (8") LCD touch screen monitor

Mechanically adjustable seat

ENGINE

Two selectable modes: Power, Smart
Auto engine speed control
Up to 3300 m (10,830 ft) altitude capability
52° C (126° F) high-ambient cooling capacity
-18° C (0° F) cold start capability
Double element air filter with integrated precleaner
Biodiesel capability up to B20

HYDRAULIC SYSTEM

Boom and stick regeneration circuit
Electronic main control valve
Auto hydraulic oil warm up
Reverse swing damping valve
Auto swing parking brake
High performance hydraulic return filter
Two speed travel
Bio hydraulic oil capability
Long undercarriage

UNDERCARRIAGE AND STRUCTURES

Towing eye on baseframe (ISO 15818 Compliant)
9 mt (19, 842 lb) counterweight

ELECTRICAL SYSTEM

Maintenance-free 1000 CCA batteries (x2)
Centralized electrical disconnect switch
LED chassis light, right and left hand boom lights, cab lights

CAT TECHNOLOGY

Cat Product Link
Auto hammer stop

SERVICE AND MAINTENANCE

Grouped location of engine oil & fuel filters
Scheduled Oil Sampling (S.O.S) sampling ports

SAFETY AND SECURITY

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 & recessed bolts
Right hand handrail & hand hold (ISO 2867 Compliant)
Signaling / warning horn
Standard visibility mirror package

Ground-level secondary engine shutoff switch

Rearview camera and right-hand-side mirror

345 GC Optional Equipment

NOTE

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

CAB

Cat Stick Steer

ENGINE

Cold start block heaters

-32° C (-25° F) cold start capability

HYDRAULIC SYSTEM

Fine swing

Combined two-way auxiliary-circuit

Combined two-way auxiliary-circuit with hammer return filter

UNDERCARRIAGE AND STRUCTURES

600mm (24") double grouser track shoes

600mm (24") HD triple grouser track shoes

600mm (24") triple grouser track shoes

700mm (28") triple grouser track shoes

BOOMS AND STICKS

6.55 (21'6") Mass boom

6.9m (22'8") Reach boom

2.55 (8'4") Mass stick

2.9m (9'6") Reach stick

2.9m (9'6") HD Reach stick

3.0m (9'10") Mass stick

3.35m (11') Reach stick

3.35m (11') HD Reach stick

SERVICE AND MAINTENANCE

Electric refueling pump with auto shutoff