

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
Cooling System	40 l
Engine Oil	32 l
Swing Drive	18 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	11620 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 & FORCES

Maximum Digging Depth	7200 mm
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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	198 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

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.

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

3.05 (9'10") HD Mass stick

3.35m (11') Reach stick

3.35m (11') HD Reach stick

SERVICE AND MAINTENANCE

Electric refueling pump with auto shutoff