

Product Specifications For 307.5 - Tier 3



Engine

Net Power	34.9 kW
Displacement	2.43 l
Stroke	102 mm
Gross Power - SAE J1995:2014	36.5 kW
Rated Net Power - 2,400 rpm - China Nonroad Stage III, Brazil MAR-1, Equivalent to EU Stage IIIA - ISO 9249/EEC 80/1269	34.9 kW
Bore	87 mm
Engine Model	Cat C2.4 Turbo

Weights

Operating Weight	8233 kg
Maximum Operating Weight with Cab**	8233 kg
Note (1)	*Minimum Weight is based on steel tracks, no counterweight, operator, full fuel tank, standard stick, blade and no bucket.
Note (2)	**Maximum Weight is based on steel tracks with rubber pads, counterweight, operator, full fuel tank, long stick, blade and no bucket.
Minimum Operating Weight with Cab*	7532 kg

Dimensions - Long Stick

Dig Depth	4649 mm
Maximum Dump Clearance	5710 mm

Swing Bearing - Height	756 mm
O/A Undercarriage Length	2760 mm
Boom In Reach	2250 mm
Maximum Reach	6805 mm
Tail Swing with Counterweight	1995 mm
Track Belt/Shoe Width	450 mm
Cab Height	2534 mm
Transport Height	2656 mm
Maximum Reach - Ground Level	6671 mm
O/A Track Width	2200 mm
Stick Length	2208 mm
Maximum Dig Height	7758 mm
Maximum Blade Depth	414 mm
Ground Clearance	370 mm
O/A Shipping Length	6257 mm
Width over Upper House	2250 mm
Vertical Wall	4120 mm
Maximum Blade Height	363 mm
Tail Swing without Counterweight	1800 mm

Blade

Height	431 mm
Width	2280 mm

Hydraulic System

Digging Force - Stick - Standard	37.8 kN
Auxiliary Circuit - Primary - Pressure	285 bar
Operating Pressure - Swing	250 bar
Operating Pressure - Equipment	285 bar
Digging Force - Stick - Long	33.7 kN
Pump Flow at 2,400 rpm	167 L/min
Auxiliary Circuit - Primary - Flow	131 L/min
Operating Pressure - Travel	285 bar
Auxiliary Circuit - Secondary - Flow	33 L/min
Digging Force - Bucket	54.6 kN
Type	Load Sensing Hydraulics with Variable Displacement Piston Pump
Auxiliary Circuit - Secondary - Pressure	285 bar

Travel System

Maximum Traction Force - High Speed	26.1 kN
Gradeability - Maximum	30 degrees
Ground Pressure - Minimum Weight	32.7 kPa

Ground Pressure - Maximum Weight	35.7 kPa
Maximum Traction Force - Low Speed	62.4 kN
Travel Speed - Low	3.1 km/h
Travel Speed - High	5 km/h

Weight Increase From Minimum Configuration

Long Stick	82 kg
Counterweight	250 kg
Steel Tracks with Pads	285 kg

Dimensions - Standard Stick

Boom In Reach	1681 mm
O/A Track Width	2200 mm
Dig Depth	4107 mm
Ground Clearance	370 mm
Cab Height	2534 mm
Tail Swing without Counterweight	1800 mm
Maximum Blade Depth	414 mm
Width over Upper House	2250 mm
Track Belt/Shoe Width	450 mm
Maximum Dig Height	7341 mm
Tail Swing with Counterweight	1995 mm

Swing Bearing - Height	756 mm
Maximum Reach	6297 mm
Maximum Reach - Ground Level	6152 mm
Maximum Dump Clearance	5293 mm
Maximum Blade Height	363 mm
O/A Undercarriage Length	2760 mm
O/A Shipping Length	6144 mm
Stick Length	1665 mm
Transport Height	2558 mm
Vertical Wall	3604 mm

Service Refill Capacities

Engine Oil	9.5 l
Hydraulic Tank	53 l
Hydraulic System	104 l
Fuel Tank	145 l
Cooling System	10 l

Sound

Average Exterior Sound Pressure (ISO 6395:2008)	98 dB(A)
Operator Sound Pressure (ISO 6396:2008)	72 dB(A)

Swing System

Machine Swing Speed

10 r/min

Certification - Cab

Top Guard

ISO 10262:1998 (Level II)

Roll Over Protective Structure (ROPS)

ISO 12117-2:2008

Tip Over Protective Structure (TOPS)

ISO 12117:1997

307.5 - Tier 3 Standard Equipment

ENGINE

Automatic Two Speed Travel

Automatic Engine Shutdown

Radial Seal – Double Element Air Filter

Cat C2.4 Diesel Engine (China Nonroad Stage III, Brazil MAR-1, Equivalent to EU Stage IIIA – Electrical Governor and Turbo)

Automatic Engine Idle

Fuel Water Separator with Indicator

Automatic Swing Brake

Extended Life Coolant, -37° C (-35° F)

HYDRAULICS

Certified Accumulator

Power On Demand

Load Sensing/Flow Sharing Hydraulics

Smart Tech Electronic Pump

Variable Displacement Piston Pump

HYDO Advanced Hydraulic Oil

Hydraulic Temperature Monitoring

OPERATOR ENVIRONMENT

Removable, Washable Floor Mat

Assisted Front Window Overhead Storage

Hydraulic Lockout Controls

12V Power Socket

Adjustable Wrist Rests

Coat Hook

Top Guard – ISO 10262:1998 (Level II)

Mounting Bosses for Top and Front Guards

Travel Cruise Control

Molded Footrests

Retractable Seat Belt (75 mm/3 in)

Operator Sound Pressure 72 dB(A) ISO 6396

Sealed and Pressurized Cab

Color LCD Monitor

- Fuel Level and Coolant Temperature Gauges

- Maintenance and Machine Monitoring

- Performance and Machine Adjustments

- Numeric Security Code

- Multiple Languages

- Camera Ready

- Hour Meter with Wake Up Switch

- Jog Dial Control Interface

ROPS – ISO 12117-2:2008

Control Pattern Changer

Cup Holder

LED Interior Light

TOPS – ISO 12117:1997

Cat Key with Passcode Option

Stick Steer Mode

Radio – Bluetooth®, USB, Auxiliary, Microphone

Fabric, High Back, Suspension Seat

Skylight

Travel Pedals and Hand Levers

HVAC with Automatic Temperature Control

Integrated Lower Front Window

Rear Window Emergency Exit

Literature Holder

UNDERCARRIAGE

Tie Down Eyes on Track Frame

Greased and Lubricated Track

Hydraulic Track Adjusters

Dozer Blade

Dozer Float

Bolt-on, Reversible Wear Edge

Steel Tracks (450 mm/17.7 in wide)

BOOM, STICK AND LINKAGES

One Piece Boom (3700 mm/145.7 in)

Standard Stick (1665 mm/65.6 in) or Long Stick (2200 mm/86.6 in)

Front Shovel Capable (Pin-On/Manual Coupler/Hydraulic Coupler – not available in all regions)

Thumb Ready (not available in all regions)

Certified Lifting Eye (not available in all regions)

ELECTRICAL

12 Volt Electrical System

60 Ampere Alternator

900 CCA Maintenance Free Battery

Battery Disconnect
Ignition Key Stop Switch
Signaling/Warning Horn
Product Link™ Elite Lite (regulations apply)
Travel Alarm

307.5 - Tier 3 Optional Equipment

OPERATOR ENVIRONMENT

Rain Visor
Air Suspension Heated Seat

ELECTRICAL

Rotating Beacon
Rearview Camera

OTHER

Bucket Linkage with Lift Eye
Boom and Stick Hose Burst Check Valves
2nd Auxiliary Hydraulic Lines with Case Drain
Steel Track with Rubber Pads
Wide Steel Tracks (600 mm/23.6 in)
Attachments including Buckets, Augers and Hammers
Track Guides
Water Jacket Heater
Refueling Pump
Cab Guarding