

PRODUCT SPECIFICATIONS FOR 307.5

ENGINE

Net Power	41.7 kW
Engine Model	Cat C2.4 Turbo
Displacement	2.43 l
Gross Power - ISO 14396	43.2 kW
Rated Net Power - 2,400 rpm - ISO 9249/EEC 80/1269	41.7 kW
Bore	87 mm
Stroke	102 mm

WEIGHTS

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

DIMENSIONS - LONG STICK

Dig Depth	4649 mm
Cab Height	2534 mm
Maximum Blade Height	363 mm

Track Belt/Shoe Width	450 mm
Maximum Dump Clearance	5710 mm
O/A Undercarriage Length	2760 mm
O/A Track Width	2200 mm
Transport Height	2656 mm
Vertical Wall	4120 mm
Width over Upper House	2250 mm
Boom In Reach	2250 mm
Stick Length	2208 mm
Tail Swing with Counterweight	1995 mm
Maximum Reach	6805 mm
Ground Clearance	370 mm
Swing Bearing - Height	756 mm
O/A Shipping Length	6257 mm
Tail Swing without Counterweight	1800 mm
Maximum Dig Height	7758 mm
Maximum Blade Depth	414 mm
Maximum Reach - Ground Level	6671 mm

BLADE

Height	431 mm
Width	2280 mm

HYDRAULIC SYSTEM

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

TRAVEL SYSTEM

Maximum Traction Force - Low Speed	62.4 kN
Maximum Traction Force - High Speed	26.1 kN
Travel Speed - High	5 km/h
Ground Pressure - Maximum Weight	35.7 kPa
Travel Speed - Low	3.1 km/h
Gradeability - Maximum	30 degrees
Ground Pressure - Minimum Weight	32.7 kPa

DIMENSIONS - STANDARD STICK

Tail Swing with Counterweight	1995 mm
Vertical Wall	3604 mm
Transport Height	2558 mm

Tail Swing without Counterweight	1800 mm
Stick Length	1665 mm
Boom In Reach	1681 mm
Track Belt/Shoe Width	450 mm
Ground Clearance	370 mm
O/A Track Width	2200 mm
Maximum Reach - Ground Level	6152 mm
O/A Undercarriage Length	2760 mm
Width over Upper House	2250 mm
Maximum Reach	6297 mm
Swing Bearing - Height	756 mm
Maximum Blade Height	363 mm
Maximum Blade Depth	414 mm
Dig Depth	4107 mm
O/A Shipping Length	6144 mm
Maximum Dump Clearance	5293 mm
Cab Height	2534 mm
Maximum Dig Height	7341 mm

WEIGHT INCREASE FROM MINIMUM CONFIGURATION

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

SERVICE REFILL CAPACITIES

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

SOUND

Operator Sound Pressure (ISO 6396:2008)	72 dB(A)
Average Exterior Sound Pressure (ISO 6395:2008)	98 dB(A)
Note	European Union Directive “2000/14/EC”

SWING SYSTEM

Machine Swing Speed	10 r/min
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CERTIFICATION - CAB

Roll Over Protective Structure (ROPS)	ISO 12117-2:2008
Top Guard	ISO 10262:1998 (Level II)
Tip Over Protective Structure (TOPS)	ISO 12117:1997

307.5 STANDARD EQUIPMENT

ENGINE

Automatic Swing Brake

Cat C2.4 Diesel Engine (U.S. EPA Tier 4 Final/EU Stage V) – Electronic Engine, Turbo, Diesel Particulate Filter (DPF)

Automatic Engine Shutdown

Fuel Water Separator with Indicator

Radial Seal – Double Element Air Filter

Automatic Engine Idle

Automatic Two Speed Travel

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

HYDRAULICS

Power On Demand

Smart Tech Electronic Pump

HYDO Advanced Hydraulic Oil

Load Sensing/Flow Sharing Hydraulics

Hydraulic Temperature Monitoring

Certified Accumulator

Variable Displacement Piston Pump

OPERATOR ENVIRONMENT

LED Interior Light

TOPS – ISO 12117:1997

Sealed and Pressurized Cab

Molded Footrests

Cat Key with Passcode Option

12V Power Socket

Control Pattern Changer

Color LCD Monitor

Coolant Temperature Gauges

Maintenance

Adjustments

Security

Multiple

Reentry

Switch

Display

Stick Steer Mode

Adjustable Wrist Rests

Travel Pedals and Hand Levers

Top Guard – ISO 10262:1998 (Level II)

ROPS – ISO 12117-2:2008

Literature Holder

Radio – Bluetooth®, USB, Auxiliary, Microphone

Skylight

Assisted Front Window Overhead Storage

Travel Cruise Control

Fabric, High Back, Suspension Seat

Operator Sound Pressure 72 dB(A) ISO 6396

Retractable Seat Belt (75 mm/3 in)

Removable, Washable Floor Mat

Integrated Lower Front Window

Coat Hook

HVAC with Automatic Temperature Control

Mounting Bosses for Top and Front Guards

Cup Holder

Rear Window Emergency Exit

Hydraulic Lockout Controls

UNDERCARRIAGE

Dozer Blade

Dozer Float

Bolt-on, Reversible Wear Edge

Hydraulic Track Adjusters

Tie Down Eyes on Track Frame

Greased and Lubricated Track

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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 OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT

Air Suspension Heated Seat

Rain Visor

ELECTRICAL

Rotating Beacon

Rearview Camera

OTHER

Bucket Linkage with Lift Eye

Track Guides

Wide Steel Tracks (600 mm/23.6 in)

Attachments including Buckets, Augers and Hammers

2nd Auxiliary Hydraulic Lines with Case Drain

Steel Track with Rubber Pads

Boom and Stick Hose Burst Check Valves

Water Jacket Heater

Refueling Pump

Cab Guarding