

# PRODUCT SPECIFICATIONS FOR 305.5E2 CR

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## ENGINE

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<b>Net Power</b>	44.1 HP
<b>Engine Model</b>	Cat® C2.4
<b>Rated Net Power - 2,200 rpm - ISO 9249/EEC 80/1269</b>	44.1 HP
<b>Bore</b>	3.4 in
<b>Stroke</b>	4 in
<b>Displacement</b>	146 in <sup>3</sup>
<b>Gross Power - ISO 14396</b>	45.7 HP
<b>Emissions</b>	Meets U.S. EPA Tier 4 Final/EU Stage IIIA emission standards.

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## WEIGHTS\*

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<b>Operating Weight</b>	11958 lb
<b>Weight - Canopy, Standard Stick</b>	11503 lb
<b>Weight - Cab, Long Stick</b>	11958 lb
<b>Note</b>	*Weight includes counterweight, rubber tracks, bucket, operator, full fuel and auxiliary lines.
<b>Weight - Cab, Standard Stick</b>	11863 lb
<b>Weight - Canopy, Long Stick</b>	11596 lb

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## TRAVEL SYSTEM

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<b>Travel Speed - High</b>	2.8 mile/h
<b>Maximum Traction Force - High Speed</b>	6025 lb
<b>Travel Speed - Low</b>	1.7 mile/h

<b>Maximum Traction Force - Low Speed</b>	10746 lb
<b>Ground Pressure - Canopy</b>	4.5 psi
<b>Ground Pressure - Cab</b>	4.6 psi
<b>Gradeability - Maximum</b>	30°

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#### HYDRAULIC SYSTEM

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<b>Operating Pressure - Travel</b>	3553 psi
<b>Digging Force - Stick - Long</b>	5575 lb
<b>Operating Pressure - Swing</b>	3132 psi
<b>Operating Pressure - Equipment</b>	3553 psi
<b>Digging Force - Stick - Standard</b>	6500 lb
<b>Pump Flow at 2,400 rpm</b>	39.6 gal/min
<b>Auxiliary Circuit - Secondary (174 bar/2,524 psi)</b>	6.6 gal/min
<b>Auxiliary Circuit - Primary (186 bar/2,734 psi)</b>	21.1 gal/min
<b>Digging Force - Bucket</b>	11445 lb
<b>Type</b>	Load Sensing Hydraulics with Variable Displacement Piston Pump

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#### SWING SYSTEM

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<b>Machine Swing Speed</b>	10 r/min
<b>Boom Swing - Right</b>	50°
<b>Boom Swing - Left - Without Stop*</b>	80°
<b>Boom Swing - Left - With Stop*</b>	60°
<b>Note</b>	*Automatic swing brake, spring applied, hydraulic release.

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#### BLADE

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<b>Width</b>	78 in
<b>Height</b>	14.8 in
<b>Dig Depth</b>	21.9 in
<b>Lift Height</b>	15.9 in

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#### SERVICE REFILL CAPACITIES

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<b>Hydraulic Tank</b>	18 gal (US)
<b>Cooling System</b>	2.8 gal (US)
<b>Fuel Tank</b>	16.6 gal (US)
<b>Engine Oil</b>	2.5 gal (US)
<b>Hydraulic System</b>	20.6 gal (US)

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#### DIMENSIONS - LONG STICK

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<b>Dig Depth</b>	152 in
<b>Boom Swing - Right</b>	31 in
<b>O/A Shipping Length</b>	215 in
<b>Vertical Wall</b>	107 in
<b>O/A Shipping Height</b>	100 in
<b>Maximum Blade Depth</b>	22 in
<b>Maximum Dump Clearance</b>	161 in
<b>Maximum Reach - Ground Level</b>	237 in
<b>Maximum Blade Height</b>	16 in
<b>Tail Swing</b>	44 in
<b>Swing Bearing - Height</b>	24 in
<b>Maximum Dig Height</b>	220 in

<b>Boom Swing - Left</b>	27 in
<b>Track Belt/Shoe Width</b>	16 in
<b>Maximum Reach</b>	243 in
<b>O/A Track Width</b>	78 in
<b>Boom In Reach</b>	100 in
<b>O/A Undercarriage Length</b>	102 in
<b>Boom Height - Shipping Position</b>	85 in

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#### OPERATING SPECIFICATIONS

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<b>Stick Length - Long</b>	70 in
<b>Counterweight</b>	364.4 lb
<b>Stick Length - Standard</b>	55 in

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#### DIMENSIONS - STANDARD STICK

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<b>Boom In Reach</b>	94 in
<b>O/A Shipping Height</b>	100 in
<b>Dig Depth</b>	137 in
<b>Maximum Blade Depth</b>	22 in
<b>Track Belt/Shoe Width</b>	16 in
<b>O/A Undercarriage Length</b>	102 in
<b>Maximum Blade Height</b>	16 in
<b>O/A Shipping Length</b>	210 in
<b>Maximum Reach - Ground Level</b>	222 in
<b>Boom Swing - Right</b>	31 in
<b>Maximum Dig Height</b>	210 in
<b>Vertical Wall</b>	92 in

<b>Tail Swing</b>	44 in
<b>Boom Height - Shipping Position</b>	69 in
<b>Boom Swing - Left</b>	27 in
<b>O/A Track Width</b>	78 in
<b>Maximum Dump Clearance</b>	150 in
<b>Swing Bearing - Height</b>	24 in
<b>Maximum Reach</b>	228 in

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UNDERCARRIAGE

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<b>Number of Carrier Rollers</b>	1
<b>Track Roller Type</b>	Center Flange
<b>Number of Track Rollers</b>	4

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LIFT CAPACITIES AT GROUND LEVEL - LIFT POINT RADIUS: 3000 MM (9'8")

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<b>Blade Up - Front</b>	3417 lb
<b>Blade Up - Side</b>	2535 lb
<b>Blade Down - Side</b>	2844 lb
<b>Blade Down - Front</b>	5710 lb

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LIFT CAPACITIES AT GROUND LEVEL - LIFT POINT RADIUS: 4500 MM (14'9")

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<b>Blade Down - Front</b>	3042 lb
<b>Blade Up - Side</b>	1367 lb
<b>Blade Up - Front</b>	1808 lb
<b>Blade Down - Side</b>	1521 lb

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## CERTIFICATION - CAB AND CANOPY

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<b>Tip Over Protective Structure (TOPS)</b>	ISO 12117
<b>Top Guard</b>	ISO 10262 (Level I)
<b>Roll Over Protective Structure (ROPS)</b>	ISO 12117-2

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## CAB

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<b>Dynamic Operator Sound Pressure Level (ISO 6396:2008)</b>	81 dB(A)
<b>Note</b>	*European Union Directive "2000/14/EC"
<b>Exterior Sound Power Level - ISO 6395:2008*</b>	97 dB(A)

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## AIR CONDITIONING SYSTEM

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<b>Air Conditioning</b>	The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1 kg of refrigerant which has a CO2 equivalent of 1.4 metric tonnes.
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## 305.5E2 CR STANDARD EQUIPMENT

### ENGINE

Cat C2.4 diesel engine (meets U.S. EPA Tier 4 Final emission standards for North America and EU Stage IIIA/Tier 4 Interim emission standards for all other regions)

Automatic engine idle

Automatic engine shut-off

Automatic two speed travel

Diesel Particulate Filter (North America only)

Diesel Oxidation Catalyst (North America only)

Fuel and water separator

Power on demand

## HYDRAULIC SYSTEM

1-way and 2-way (combined function)

Accumulator

Automatic swing parking brake

Auxiliary hydraulic lines

Adjustable auxiliary relief

Auxiliary line quick disconnects

Cat interlock system: hydraulic lockout

Continuous auxiliary flow

Ecology drain

Hydraulic oil cooler

High definition hydraulics

Load sensing/flow sharing

## OPERATOR ENVIRONMENT

100% pilot control ergonomic joysticks

Adjustable armrests

COMPASS: complete, operation, maintenance, performance and security system  
Multiple languages

Cup holder

Hydraulic neutral lockout bar

Literature holder

Pattern changer (optional in Europe)

Site reference system: leveling

Tool storage area

Travel control pedals with hand levers

Washable floor mat

## UNDERCARRIAGE

Dozer blade with float function

Track, rubber belt, 400 mm (16 in) width

Tie down eyes on track frame

Towing eye on base frame

#### FRONT LINKAGE

200 degree bucket rotation

Certified lifting eye on bucket linkage (optional in Europe)

Front shovel capable

Thumb ready stick

#### ELECTRICAL

12 volt electrical system

60 ampere alternator

650 CCA maintenance free battery

Fuse box

Ignition key start/stop switch

Slow blow fuse

Warning horn

#### LIGHTS AND MIRRORS

Boom light with time delay capability

#### SAFETY AND SECURITY

Anti-theft system (COMPASS)

Caterpillar Corporate "One Key" System

Door locks

Lockable fuel cap

Retractable seat belt

Roll Over Protective Structure (ROPS) (ISO 12117-2)

Tip Over Protective Structure (TOPS) (ISO 12117)

Top guard – ISO 10262 (Level 1)



Travel alarm (optional in Europe)

## TECHNOLOGY

Product Link™

# 305.5E2 CR OPTIONAL EQUIPMENT

## ENGINE

Engine block heater

## HYDRAULIC SYSTEM

Quick coupler lines

Boom lowering check valve

Stick lowering check valve

Secondary auxiliary hydraulic lines

## OPERATOR ENVIRONMENT

### Cab:

Air conditioning

Heat

High back suspension seat

Interior light

Interlocking front window system

Radio

Windshield wiper

## UNDERCARRIAGE

Power angle blade

Track, double grouser (steel), 400 mm (16 in)

Track, double grouser (steel) with rubber pad, 400 mm (16 in)

## FRONT LINKAGE

Quick coupler: manual or hydraulic

Thumb

Buckets

Full range of performance matched work tools  
Auger, hammer, ripper

#### LIGHTS AND MIRRORS

Light, cab with time delay capability

Mirror, canopy right

Mirror, canopy left

Mirror, cab rear

#### SAFETY AND SECURITY

Battery disconnect

Beacon socket

Front wire mesh guard

Rearview camera

Vandal guard

#### OTHER ATTACHMENTS

Counterweight, extra