

PRODUCT SPECIFICATIONS FOR 304E2 CR

Net Power	30 kW
Engine Model	Cat C2.4
Note	The Cat C2.4 meets U.S. EPA Tier 4 Final emission standards for North America, EU Stage V emission standards for Europe and Tier 4 Interim emission standards for all other regions.
Net Power - 2,200 rpm - ISO 9249/EEC 80/1269	30 kW
Displacement	2.4 l
Stroke	102.4 mm
Bore	87 mm
Gross Power - ISO 14396	31.2 kW
Operating Weight	4080 kg
Weight - Canopy, Standard Stick	3925 kg
Weight - Canopy, Long Stick	3955 kg
Weight - Cab, Long Stick	4080 kg
Weight - Cab, Standard Stick	4050 kg
Maximum Traction Force - High Speed	16.9 kN
Maximum Traction Force - Low Speed	31 kN

Travel Speed - High	5.2 km/h
Travel Speed - Low	3.3 km/h
Ground Pressure - Canopy	28.1 kPa
Ground Pressure - Cab	29.5 kPa
Digging Force - Stick - Long	19.5 kN
Note	Flow and pressure are not combinable. Under load, as flow rises pressure goes down.
Digging Force - Stick - Standard	21.6 kN
Operating Pressure - Travel	245 bar
Operating Pressure - Equipment	245 bar
Operating Pressure - Swing	216 bar
Pump Flow at 2,200 rpm	100 l/min
Maximum Auxiliary Circuit - Secondary - Flow at Pump	25 l/min
Maximum Auxiliary Circuit - Primary - Flow at Pump	65 l/min
Maximum Auxiliary Circuit - Primary - Pressure at Pump	24500 kPa
Maximum Auxiliary Circuit - Secondary - Pressure at Pump	24500 kPa
Digging Force - Bucket	37.8 kN

Machine Swing Speed

10 r/min

Width

1950 mm

Height

325 mm

Dig Depth

470 mm

Lift Height

400 mm

Cooling System

5.5 l

Engine Oil

9.5 l

Hydraulic Tank

42.3 l

Fuel Tank

46 l

Hydraulic System

65 l

Dig Depth

3430 mm

Maximum Dig Height

5070 mm

Maximum Reach

5590 mm

Vertical Wall

2560 mm

O/A Shipping Height

2500 mm

Boom Swing - Right

735 mm

Maximum Blade Depth	470 mm
O/A Track Width	1950 mm
Maximum Dump Clearance	3690 mm
Swing Bearing - Height	565 mm
Boom Height - Shipping Position	1770 mm
Track Belt/Shoe Width	350 mm
O/A Shipping Length	4930 mm
Maximum Reach - Ground Level	5470 mm
O/A Undercarriage Length	2220 mm
Maximum Blade Height	400 mm
Tail Swing	975 mm
Boom Swing - Left	670 mm
Boom In Reach	2220 mm
Maximum Dig Height	4980 mm
Swing Bearing - Height	565 mm
Maximum Dump Clearance	3590 mm
Boom Swing - Left	670 mm
Boom In Reach	2110 mm

Maximum Blade Depth	470 mm
O/A Shipping Height	2500 mm
Maximum Reach	5350 mm
Vertical Wall	2420 mm
Maximum Reach - Ground Level	5220 mm
Track Belt/Shoe Width	350 mm
Maximum Blade Height	400 mm
O/A Track Width	1950 mm
Boom Height - Shipping Position	1480 mm
O/A Undercarriage Length	2220 mm
Dig Depth	3130 mm
Tail Swing	975 mm
O/A Shipping Length	4820 mm
Boom Swing - Right	735 mm
Stick Length - Long	1615 mm
Machine Overhang	0 mm
Stick Length - Standard	1315 mm
Blade Up - Side	820 kg

Blade Down - Side	910 kg
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Blade Up - Front	820 kg
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Blade Down - Front	1570 kg
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Dynamic Operator Sound Pressure Level (ISO 6396:2008)	81 dB(A)
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Exterior Sound Power Level - ISO 6395:2008*	96 dB(A)
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Blade Up - Front	430 kg
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Blade Down - Side	480 kg
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Blade Down - Front	860 kg
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Blade Up - Side	430 kg
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304E2 CR STANDARD EQUIPMENT

ENGINE

Cat C2.4 diesel engine (meets U.S. EPA Tier 4 Final emission standards for North America, EU Stage V emission standards for Europe and 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

100% pilot control of 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, 350 mm (14 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™

304E2 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

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Radio

Windshield wiper

UNDERCARRIAGE

Power angle blade

Track, double grouser (steel), 350 mm (14 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

