

Product Specifications For 440



Engine

Net Power - SAE J1349:2011	104 hp
Bore	4.13 in
Stroke	5 in
Displacement	268 in ³
Net Peak Power - 1,800 rpm - ISO 9249	73 hp
Ratings at 2,200 rpm - Gross Power SAE J1995	118 hp
Gross Power - SAE J1995:2014	74 hp
Net Peak Power Rating - ISO 9249 at 1,800 rpm	108 hp
Net Torque Rise - 1,200 rpm	88 %
Net Peak Power - 1,800 rpm - EEC 80/1269	73 hp
Net Power - 2,200 rpm - SAE J1349	68 hp
Gross Power - ISO 14396	74 hp
Rated Net Power - 2,200 rpm - EEC 80/1269	69 hp
Net Power Rating at 2,200 rpm - ISO 9249	104 hp
Engine Model	C4.4 ACERT 87 kW (116 hp) Electronic – Turbo Intercooled
Ratings at 2,200 rpm - Gross Power ISO 14396	116 hp
Net Peak Power - 1,800 rpm - SAE J1349	72 hp

Net Torque Rise - 1,400 rpm - SAE J1349	360 ft·lbf
Net Peak Power Rating - SAE J1349 at 2,100 rpm	108 hp
Rated Net Power - 2,200 rpm - ISO 9249	68 hp
Net Torque Rise - 1,400 rpm	44%
Power Rating Conditions - No De-Rating Required Up To	7500 ft
Net Power Rating at 2,200 rpm - SAE J1349	104 hp
Emissions	Engine meets U.S. EPA Tier 4 Final emission standards.
Net Peak Torque SAE J1349	307 ft·lbf
Note	No derating required up to 2286 m (7,500 ft).

Backhoe

Dig Depth - Standard	15.5 ft
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Weights

Operating Weight - Maximum	29321 lb
Cab - ROPS/FOPS	359 lb
Air Conditioning	101 lb
Operating Weight - Estimated*	21544 lb
MP Bucket (1.00 m3/1.31 yd3) - With Fold-Over Forks	2018 lb

Loader Bucket - 1.34 m³ (1.75 yd³) MP ED (Hook-On)	+160 kg (+353 lb)
Cab, ROPS/FOPS	+243 kg (+536 lb)
Loader Bucket - 1.34 m³ (1.75 yd³) MP HD (Pin-On)	+214 kg (+472 lb)
Extendible Stick	+301 kg (+664 lb)
MP Bucket (1.00 m³/1.31 yd³) - Without Fold-Over Forks	3622 lb
Loader Quick Coupler	+250 kg (+551 lb)
Front Counterweight - Counterweights - Option 1	255 lb
Note (2)	GP = General Purpose
Loader Bucket - 1.53 m³ (2.0 yd³) GP (Hook-On)	-73 kg (-162 lb)
Note (4)	HD = Heavy Duty
Front Counterweight - Counterweights - Option 2	530 lb
Operating Weight - Maximum - ROPS Capacity	29321 lb
Counterweight	1102 lb
Backhoe Quick Coupler	+87 kg (+192 lb)
Loader Bucket - 1.34 m³ (1.75 yd³) MP HD (Hook-On)	+85 kg (+187 lb)

Loader Bucket - 1.34 m³ (1.75 yd³) MP ED (Pin-On)	+290 kg (+639 lb)
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Note (1)	*Machine equipped with 340/80-18 front and 500/70-24 rear, AWD, OROPS, 1.34 m ³ (1.75 yd ³) general purpose bucket with bolt-on cutting edge, standard stick, 610 mm (24"") severe-duty backhoe bucket.
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Loader Bucket - 1.53 m³ (2.0 yd³) GP (Pin-On)	+80 kg (+176 lb)
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Loader Bucket - 1.34 m³ (1.75 yd³) GP (Hook-On)	−150 kg (−331 lb)
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Note (5)	ED = Extreme Duty
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Note (3)	MP = Multi Purpose
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Front Counterweight - Counterweights - Option 3	1015 lb
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Rear Counterweight	198 lb
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Hydraulic System

Pump Type	Variable Flow, Axial Piston
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System Pressure - Loader	3800 psi
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Pump Capacity at 2,200 rpm	58.1 gal/min
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System Pressure - Hitch/Box Scraper	2973 psi
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Type	Closed Center
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System Pressure - Backhoe	3800 psi
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Loader Bucket

Dig Depth - Standard	3 in
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Transmission

Autoshift Transmission - Reverse - 1st	3.7 mile/h
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Power Shuttle Transmission - Forward 3rd	13 mile/h
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Power Shuttle Transmission - Reverse 2nd	5.5 mile/h
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Autoshift Transmission - Forward - 6th	24.4 mile/h
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Power Shuttle Transmission - Reverse 4th	23 mile/h
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Autoshift Transmission - Reverse - 3rd	16.7 mile/h
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Power Shuttle Transmission - Forward 2nd	5.5 mile/h
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Note	Travel speeds of backhoe loader in two wheel drive at full throttle, when equipped with 500/70-24 rear tires.
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Autoshift Transmission - Forward - 1st	3.7 mile/h
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Autoshift Transmission - Forward - 3rd	7.7 mile/h
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Autoshift Transmission - Forward - 4th	12.2 mile/h
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Power Shuttle Transmission - Forward 4th	23 mile/h
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Power Shuttle Transmission - Reverse 1st	3.4 mile/h
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Autoshift Transmission - Forward - 2nd	5.9 mile/h
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Power Shuttle Transmission - Forward 1st	3.4 mile/h
Autoshift Transmission - Reverse - 2nd	7.7 mile/h
Autoshift Transmission - Forward - 5th	16.7 mile/h
Power Shuttle Transmission - Reverse 3rd	13 mile/h

Service Refill Capacities

Hydraulic System	23.8 gal (US)
Engine Oil - With Filter	2.3 gal (US)
Rear Axle - Planetaries	0.4 gal (US)
Cooling System with Cab Heater	6 gal (US)
Hydraulic System (Minimum)	31.7 gal (US)
Transmission - Power Shuttle - 2WD	4 gal (US)
Cooling System with Air Conditioning	4.4 gal (US)
Fuel Tank	42.3 gal (US)
Transmission (Autoshift) - AWD, Autoshift	4.8 gal (US)
Planetaries	0.2 gal (US)
Rear Axle	4.4 gal (US)
Transmission - Power Shuttle - 4WD	4 gal (US)

Front Axle (Center Housing)	2.9 gal (US)
Rear Axle (Center Housing)	4.4 gal (US)
Hydraulic Tank (Nominal)	14.3 gal (US)
Front Axle (4WD) - Planetaries	0.2 gal (US)
Diesel Exhaust Fluid (DEF)	5 gal (US)
Front Axle (4WD)	2.9 gal (US)
Note	Requires ultra-low sulfur fuel less than or equal to 15 ppm fuel sulfur
Hydraulic Tank	10.6 gal (US)

Steering

Rod Diameter	1.65 in
Stroke	9.29 in
Turning Circle (inner wheel not braked) - Outside Front Wheels	27.33 ft
Note	AWD cylinder, one (1) double-acting.
Bore	3.35 in
Turning Circle (inner wheel not braked) - Outside Widest Loader Bucket	37.75 ft
Power Steering	Hydrostatic HMU
Type	Front Wheel
Axle Oscillation	11°

Turning Circle - (inner wheel not braked) - Outside Front Wheels	26.8 ft
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Turning Circle - (inner wheel not braked) - Outside Widest Loader Bucket	36 ft
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Axle Ratings

Front Axle, AWD - Static	50565 lb
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Front Axle (4WD) - Dynamic	20233 lb
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Rear Axle - Static	50565 lb
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Rear Axle - Dynamic	20225 lb
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Front Axle, AWD - Dynamic	20225 lb
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Front Axle (4WD) - Static	50582 lb
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Tires

Standard Configuration of Front/Rear Tires	Front: 12.5 80/16.9; Rear: 16.9-24
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Counterweights - Front - Minimum Recommendations

Standard Stick - GP Loader Bucket - 4WD	255 lb
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Standard Stick - MP Loader Bucket - 4WD	no counterweight
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440 Standard Equipment

STANDARD EQUIPMENT

4572 mm (15 ft) center pivot excavator style backhoe

Adjustable auxiliary flow controls, loader and backhoe

Air cleaner

Alarm, back-up

Alternator, 150 amp

Audible system fault alarm

Automatic Engine Speed Control (AESC)

Autoshift transmission with six (6) forward and three (3) reverse gears and neutral safety switch

Backhoe Safety Manual

Battery Box, external, lockable

Battery disconnect switch
Battery, maintenance-free, 1,000 CCA
Boom transport lock
Brace, lift cylinder
Brake, SAHR secondary parking
Brakes, hydraulically boosted, oil disc, dual pedals, interlocking
Canopy, ROPS/FOPS
Cat cushion swing system
CD-ROM Parts Manual
Coat restraint
Coolant/antifreeze, extended life
Counterweight, bumper, 500 kg (1,102 lb)
Diagnostic port for engine, machine and gauge cluster Electronic Control Modules
Differential lock, loader joystick
Dome light (cab only)
Engine enclosure, sound suppression removal panels
Engine, Cat C4.4 ACERT (Direct Injection Turbocharged), meets Tier 4 Final/Stage IV emission standards, selective catalyst reduction, diesel oxidation catalyst (DOC)
Face seals, O-ring
Fan, suction and guard
Fast reversing shuttle, all gears
Fenders, rear
Filters, bowl and cartridge: fuel, hydraulic fluid
Filters, spin-on: engine oil, transmission oil, water separator
Flashing hazards/signal lights
Floor mat
Four Wheel Drive/Brake Mode Selector
Fuel tank, fully enclosed
Fully hinged front grill for cooling package cleaning access
Ground level fuel fill and DEF fill
High ambient cooling package
Hood lock, inside cab
Hydraulic hose, XT™
Hydraulic oil cooler
Hydraulic oil level sight gauge
Hydraulic valves, backhoe six (6) function
Hydraulic valves, loader three (3) function
Hydraulics, load sensing with variable displacement piston pump and flow sharing valve
Indicator lights: hydraulic implement lockout, hydraulic filter bypass, water in fuel, operator presence, remote dial throttle active, air filter blocked, engine warning, machine locked (if equipped), warning lamp emissions module malfunction, low battery/charging system warning, high hydraulic oil temperature; LCI warnings: engine oil pressure, service due, high coolant temperature, auto idle shutdown, high torque converter temperature
Instrument panel lights
Joystick controls: electrohydraulic controls with pattern changer valve
Key start/stop system
LCD operator screen
Lights, working (four [4] front, four [4] rear)

Loader joystick, self-leveling, return-to-dig, transmission disconnect switch, Forward/Neutral/Reverse Switch, MP Auxiliary roller
Loader, single tilt
Machine Security System integrated into LCD operator display
Mirror, rearview
One-touch low idle
Open circuit breather
Operations and Maintenance Manual
Pattern changer, in cab
Power receptacle, 12 volt, one (1) internal + one (1) USB, two (2) external
Product Link™
Radio ready (Cab)
Rubber impact strips on radiator guards
Seat belt, retractable, 51 mm (2 in)
Seat mounted controls
Seat, air suspension with armrest
Stabilizer pads, reversible
Stabilizers, electrohydraulic, auto-up function
Starting system, glow plugs
Steering knob
Steering, hydrostatic
Stop and tail lights
Storage compartment (Cab/Canopy), lockable
Storage tray, electronics and miscellaneous items
Swing transport lock
Throttle, hand and foot, electronic
Tilt steering wheel (Canopy), Tilt/telescoping (Cab)
Tire Valve Stem Protection
Tires
Torque converter
Transmission neutralizer switch
Transport tie-downs
Vandalism locks, four (4)
Vandalism protection, gauge cover (Canopy)
Warning horn, electric

440 Optional Equipment

OPTIONAL EQUIPMENT

Battery, additional, 1,000 CCA
Cab, deluxe with air conditioning
Cold weather fuel (-30° C/-22° F)
Cold weather package, including additional battery, engine block heater, radiator antifreeze, cold weather fuel (-30° C/-22° F) and mounting for an ether bottle
Fenders, front with integral steps
Guard, boom protection plate
Guard, stabilizer, rock
Guard, stabilizer, stab leg bottom

Hydraulic lines, combined function auxiliary

Hydraulic valves, loader quick coupler

Lights, LED work lights, wide and spot

Loader, Quick Coupler

Quick Coupler, backhoe, hydraulic, dual lock

Quick Coupler, backhoe, manual, dual lock

Quick Coupler, backhoe, pin lock

Radio and CD player, Bluetooth®

Ride Control

Rotating beacon, magnetic mount

Seat belt, 75 mm (3 in)

Seat, heated

Stick, extendible

Transmission, Autoshift with lock-up torque converter

Work Tool Attachments such as buckets, forks, material handling arms, augers, hammers, brooms, cold planers and vibratory plate compactors. See your Cat dealer for more information.