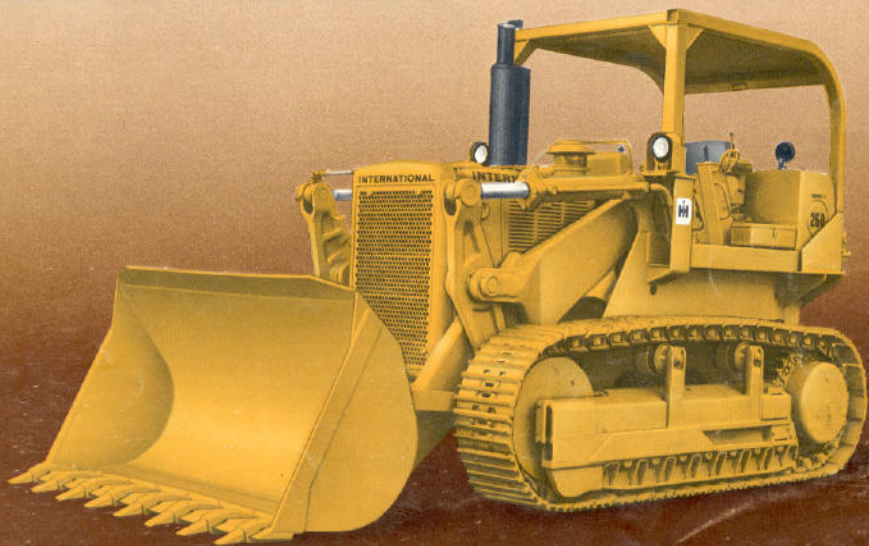


250C

**PAY loader
Specifications**



International®

250C Crawler Loader

- Exceptional high lift boom arms
- Undercarriage provides extra loader support
- Fast cycle times in any operation
- Powerful DVT-573B engine



ENGINE:

Make & Model	International DVT-573B
Type	4-cycle diesel, turbocharged, direct start, direct injection.
*Flywheel kW (horsepower) @ 2400	
rated rpm	142 (190)
RPM at maximum torque	1600
No. of cylinders	8
Displacement, litre (cu. in.)	9.39 (573)
Bore & Stroke, mm (in.)	114 x 114 (4.5 x 4.5)
Lubrication, full flow filtering	full pressure
Number of main bearings	5
Electrical system	24 volt
Air cleaner	exhaust aspirated, dry-type with safety element.

*Flywheel horsepower—output of standard engine complete with fan, air cleaner, alternator, water pump, lubricating oil pump and fuel pump under SAE standard temperature and barometric conditions of 99.2 kPa (29.38" Hg, and 29.4°C, at 85°F.). No deration required up to 3048m feet (10,000) altitude.

TRANSMISSION & TORQUE CONVERTER:

International countershaft-type power shift, hydraulically controlled and actuated. Single stage 330 mm (13 inch) torque converter drives to transmission through a double universal joint.

TRAVELING SPEED RANGE:

Gear Range	1st		2nd	
	km/h	(mph)	km/h	(mph)
Lo-Forward	0-3.59	(0-2.23)	0-6.69	(0-4.16)
Hi-Forward	0-4.60	(0-2.86)	0-8.50	(0-5.28)
Lo-Reverse	0-4.06	(0-2.52)	0-7.53	(0-4.68)
Hi-Reverse	0-5.20	(0-3.23)	0-9.53	(0-5.92)

STEERING:

Planetary type running in oil, controlled by foot pedal for each track, with hydraulic boosted assist. Center foot pedal applies decelerator and both multiple disc brakes for parking or down-hill speed control.

FINAL DRIVES:

Planetary final reduction distributes heaviest loads over triple number of teeth. Replaceable ring type sprockets, accessible without removing track frames.

TRACK FRAME:

One-piece welded steel construction mounted ahead of final drives and aligned by two rigid crossbars. Track rollers, top idlers and front idlers are Litespan lubricated.

No. of track rollers each side	7
No. of top idlers each side	2
Gauge width between track centers, m (in.)	1.93 (76)
Length of track on ground, m (in.)	2.72 (107)
Width of standard track shoe, mm (in.)	457 (18)
Width to outside of tracks, m (in.)	2.39 (94)
No. of track shoes each side	43
Area of ground contact, cm ² (sq. in.)	24851 (3852)
Height of triple grousers, from bottom face of overlapping flat shoes, mm (in.)	27.2 (1.07)
Track adjustment	full hydraulic
Ground clearance (bucket raised) mm (in.)	470 (18½)

CAPACITIES: (Approx.)

	Litre	(U.S. Gal)
Fuel tank	416	(110)
Cooling system	56.8	(15)
Engine lubrication, incl. filters	24.6	(6½)
Transmission & rear frame	151	(40)
Sprocket drive, each side	26.5	(7)

HYDRAULIC SYSTEM: (closed type)

Pump, gear type, torque converter mounted and engine driven, 300 l/min (79.4 gpm) @ 6.89 MPa (1000 psi) and 2010 rpm. Relief valve pressure setting 13.79 MPa (2000 psi). Control valve (Stacked valves and spool with individual control handles).

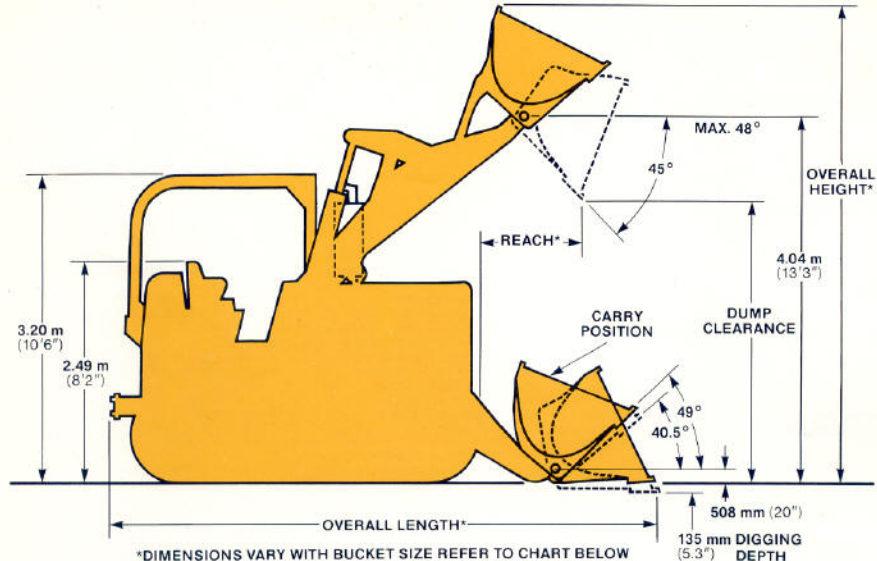
Lift control	Raise, hold, lower, float
Tilt control	Roll back, hold, dump
Rear control	Raise, hold, lower

Cylinders, double-acting type

Lift cylinders, Bore & Stroke, mm (in.)	165 x 898 (6.50 x 35.34)
Tilt cylinders, Bore & Stroke, mm (in.)	133 x 571 (5.25 x 22.50)

Time cycles, seconds:

Raise	7.29
Dump	1.14
Lower (Float)	3.05
Total	11.48



BUCKETS

	*General Purpose	*General Purpose	Multi-Purpose
Rated Capacity—m ³ (yd ³)	2.10 (2.75)	2.48 (3.25)	1.91 (2.5)
Struck Capacity—m ³ (yd ³)	1.72 (2.25)	2.10 (2.75)	1.53 (2.0)
Cutting Edge—Type	Straight	Straight	Straight
Width, m (in.)	2.44 (96)	2.44 (96)	2.44 (96)
Teeth Optional	8	8	8
Dump Clearance @ Full Lift and 45° discharge— m	3.28 (10'9")	3.18 (10'5")	3.12 (10'3")
Reach @ 45° discharge angle, 213 cm(7") clearance— m	1.75 (5'9")	1.83 (6'0")	1.78 (5'10")
Reach @ Full Lift and 45° discharge— m	1.17 (3'10")	1.27 (4'2")	1.22 (4'0")
Overall length— m	5.72 (18'9")	5.84 (19'2")	5.92 (19'5")
Overall height— m	5.38 (17'8")	5.49 (18'0")	6.25 (20'6")
Static Tipping load—kg (lb.)	14366 (31670)	14162 (31200)	•13293 (29305)
Digging or breakout force N (lb.)	169380 (38080)	146940 (33035)	143315 (32220)
Operating wt. with regular equip. kg (lb.)	20487 (45165)	20598 (45410)	21154 (46635)

Replaceable tips for all teeth

*Bolt-on shanks available

*Cwt. Recommended

All applicable dimensions per SAE J-732-C

Change in
Operating Weight

Increase in
Static Tipping Load

Counterweight	680 kg (1500 lb.)	1296 kg (2865) w/std. Bucket 2.10 m ³ (2.75 yd ³) 1290 kg (2785) w/ Multi-Purpose Bucket
Ripper	1666 kg (3674 lb.)	3622 kg (7985 lb.) w/std. Bucket 2.10 m ³ (2.75 yd ³) 3513 kg (7745 lb.) w/ Multi-Purpose Bucket

250C PAY loader

STANDARD EQUIPMENT:

Air cleaner, engine mounted, dry type with safety element and service indicator
Alternator, 35 amp.
Automatic kick-out and self leveling device
Batteries, four 6-volt
Bucket, 2 $\frac{3}{4}$ cu. yd
General Purpose
Canopy ROPS (SAE J395) with seat belt (SAE J386)
Canopy ROPS rear mounts
Canopy ROPS support structure
Controls, one lever, two spool valve

Decelerator
Fan, blower
Filters, oil, full flow with replaceable elements
Filters, oil, transmission fuel strainer
Guards—crankcase; finger; hose; hydraulic; integral rotatable instrument panel; radiator; sprocket; transmission
Hitch, retrieval
Hood side doors
Hourmeter
Muffler
Radiator, isolation mounted, armored core

Seat single, upholstered type with arm rests, adjustable
Starting, 24-volt direct electric
Steering, foot, planetary type, hydraulic power boosted
Tool box
Track adjusters, hydraulic
Track chain guides, integral
Track frames
Track shoes
Transmission, power shift
Water separator

OPTIONAL ATTACHMENTS:

Back-up alarm
Cab
Canopy rear screen
Counterweight
Engine enclosures
Front pull hook
Lights (2 front, 1 rear with guards)
Multi-purpose bucket

Radiator guard hinged door
Reversible pitch fan
Ripper
Sprocket drive seal guards
Track frame cover
Track roller and sprocket guards
Vandalism protection
Optional hydraulic valve arrangement

Specifications subject to change without notice. Illustrations may include optional equipment and accessories and may not include all standard equipment. PAY is a registered trademark of International Harvester Company designating a family of IH products.



PAYLINE GROUP