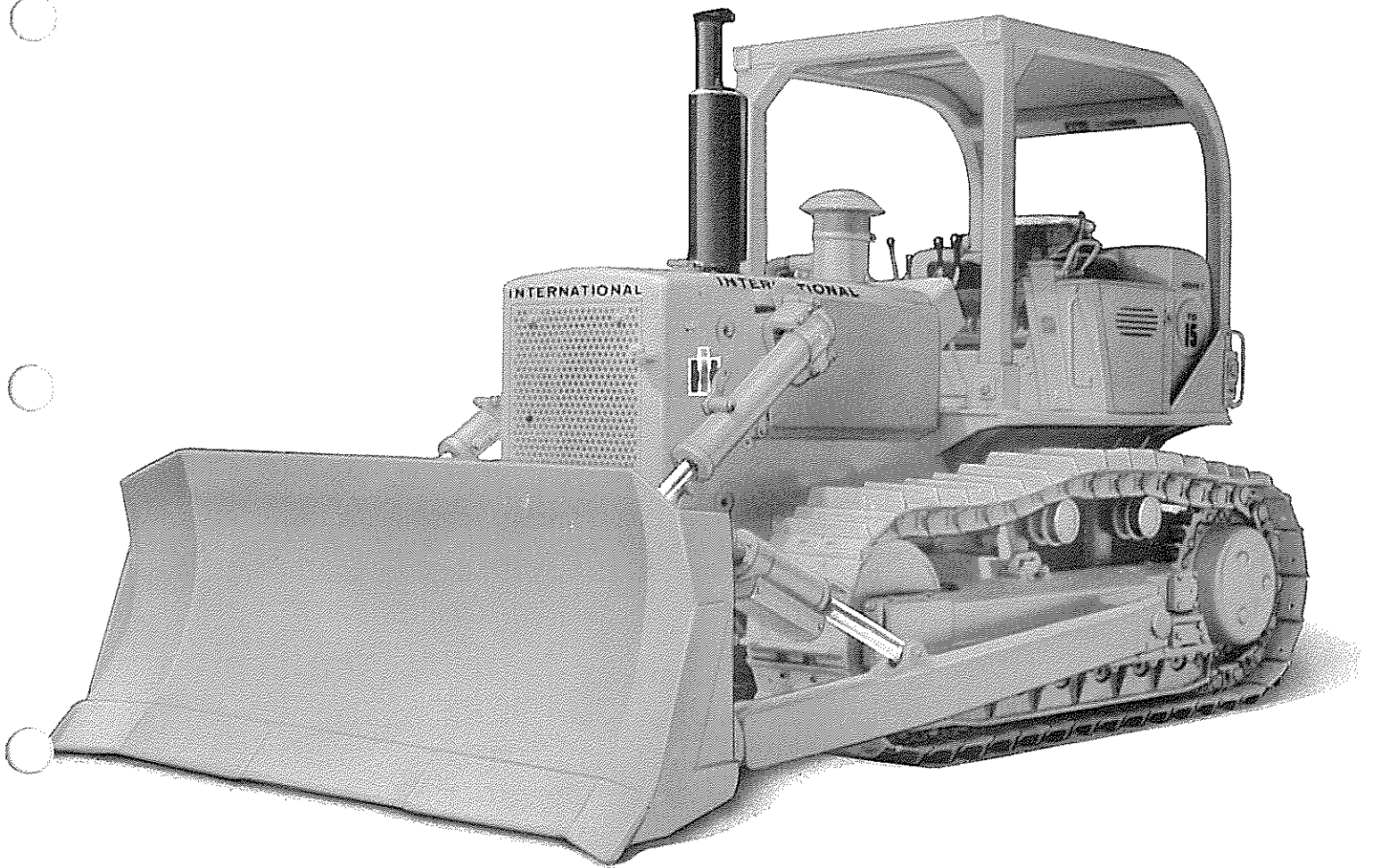


TD-15C

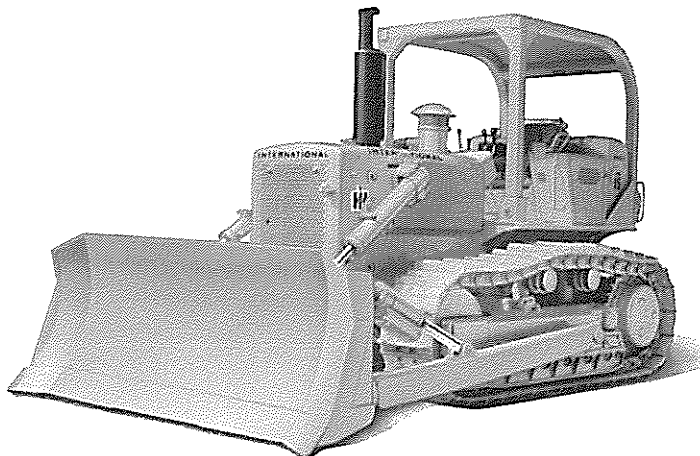
Crawler dozer Specifications



International

TD-15C Crawler dozer

- Lifetime sealed rollers and idlers
- Component arrangement for greater stability
- Ample ground clearance
- Wear-reducing, high strength components



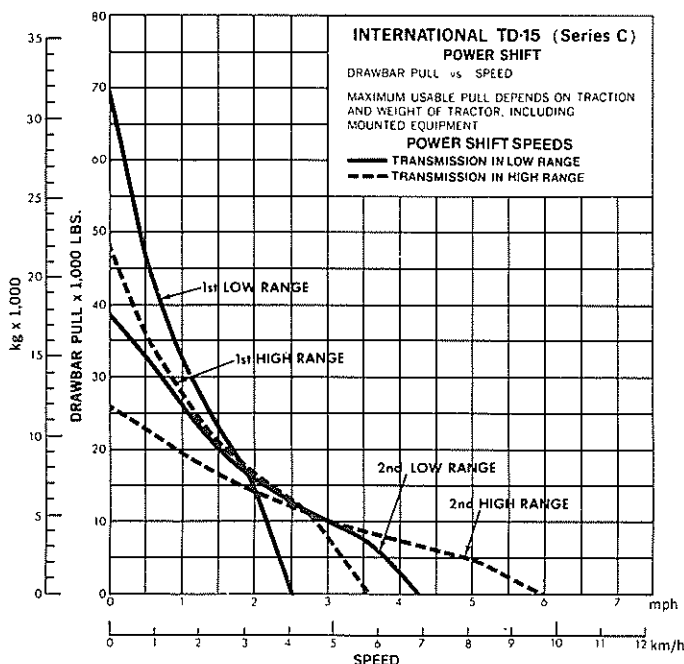
ENGINE:

Make & Model.....International DT-466 B
 Type.....4-cycle diesel, turbocharged,
 direct start, direct injection
 *Net flywheel kW (horsepower) @ 2500
 rated rpm104(140)
 RPM at maximum torque.....1600
 No. of cylinders.....6
 Displacement, litre (cu. in.).....7.63 (466)
 Bore & Stroke,
 mm (in.).....109 x 136 (4.30 x 5.35)
 Lubrication, full flow
 filtering.....Full pressure
 Number of main bearings.....7
 Electrical system.....24 volt
 Air cleaner.....exhaust aspirated, dry type
 with safety element

*Net 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 (85° F.)). No deration required up to 3048 m (10,000 feet) altitude.

TRANSMISSION & TORQUE CONVERTER:

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



TRAVEL SPEED RANGE

Gear Range	1st		2nd	
	km/h	(mph)	km/h	(mph)
Lo-Forward ...	0-4.0	(0-2.5)	0-6.9	(0-4.3)
Hi-Forward ...	0-5.8	(0-3.6)	0-9.6	(0-6.0)
Lo-Reverse ...	0-4.6	(0-2.9)	0-8.0	(0-5.0)
Hi-Reverse ...	0-6.7	(0-4.2)	0-11.2	(0-7.0)

STEERING:

Single stage planetary and multiple disc brakes for feathered or pivot turns; controlled by hand lever for each track, with hydraulic boosted assist. Single foot pedal applies both track brakes for parking or down-hill speed control.

FINAL DRIVES:

Double-reduction provides desired gear reduction at the working end of the power train. Ring-type sprocket... distributes wear evenly over track bushings letting every tooth ride free one-half of the time to reduce wear... replaceable without removing track frame.

TRACK FRAME:

All-welded heavy channel section.
 Number of track rollers each side.....6
 Number of top idlers each side.....2
 Front idlers (drum type) bearings.....Tapered roller
 All rollers and idlers.....Lifespan lubricated

TRACKS:

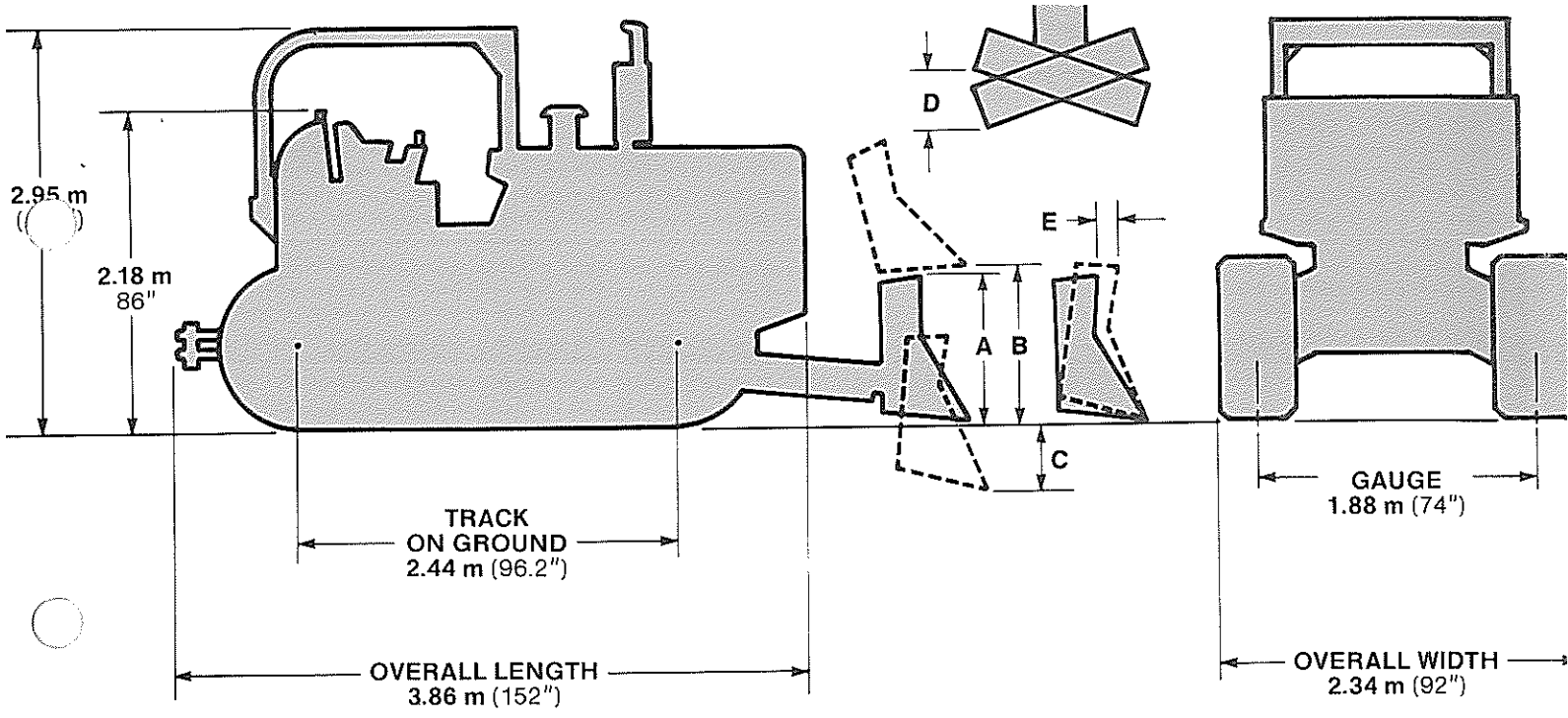
Track shoe width, standard, mm (in.).....457 (18)
 Number of track shoes each side.....39
 Ground contact area with std. 457 mm (18-inch)
 shoes, cm² (in²).....22 343(3463)
 Height of grouser, mm (in)66 (2.6)
 Track adjustment.....Full hydraulic
 Ground clearance from bottom face of shoe,
 mm (in).....438 (17.24)
 Rigid drawbar—approx. height from ground to
 center line of 89 mm (3.5") clevis,
 mm (in).....507 x 380 (19.95 or 14.95)

CAPACITIES: (Approx.)

	Litre (U.S. Gal.)	
Fuel tank.....	302.80	(80)
Cooling system.....	41.64	(11)
Engine lubrication, incl. filters.....	17.03	(4½)
Transmission & rear frame.....	132.48	(35)
Sprocket drive, each side.....	20.82	(5½)

WEIGHT: (Approx. kg (lb))

Shipping with regular equipment (includes ROPS, Dozer and Hydraulic control system)...14 297 (31,520)



BLADE:

Type Blade (Hydraulic)
Model

Max. Usable Track Shoe Width

For max. track oscillation, mm (in).....

Blade Dimensions: m (in)

Length, over regular end bits.....

Height, struts centered "A"

Max. Lift, struts centered

Straight..... "B"

Angled..... "B"

Max. Drop below ground level..... "C"

Max. manual tilt adjustment..... "D"

Blade angle, either side.....

Max. pitch adjustment..... "E"

Semi "U" Bulldozer
15D-2

Bullgrader
15G-2

559 (22)

559 (22)

3.15 (124.0)

3.83 (150.7)

1.14 (45.0)

0.92 (36.4)

0.91 (35.9)

0.95 (37.5)

—

1.12 (43.9)

0.41 (16.3)

0.40 (15.6)

0.65 (25.5)

0.30 (12.0)

—

25°

10°

—

MOLDBOARD:

Material.....

Construction.....

High-strength manganese alloy abrasion-resistant steel
Full Closed Back Boxed Frames

Cutting Edge: Reversible, heat-treated high carbon
steel, mm (in).....

Length.....

Width.....

Thickness.....

2454 (96.6)

3043 (119.8)

203 (8.0)

203 (8.0)

19 (0.75)

19 (0.75)

End Bits: (2) (Regular) heat-treated high carbon
steel, mm (in).....

Length.....

Width.....

Thickness.....

Formed

Rolled

424 (16.7)

389 (15.3)

236 (9.3)

203 (8.0)

19 (0.75)

19 (0.75)

End Bits: (2) (Optional) cast alloy steel, mm (in)

Length.....

Width.....

417 (16.4)

429 (16.9)

236 (9.3)

236 (9.3)

Blade Lift Speed: (at rated engine rpm)

m/s (F/s) average.....

0.49 (1.6)

1.64 (0.50)

Overall Dimensions: Tractor with blade mounted, m (in)

Length, blade straight.....

Length, blade angled.....

Width, blade straight.....

Width, blade angled.....

Width over trunnions.....

Width of "C" frame.....

5.02 (197.7)

5.19 (204.3)

—

6.02 (236.9)

3.15 (124.0)

3.83 (150.75)

—

3.47 (136.62)

2.73 (107.62)

2.73 (107.62)

—

2.83 (111.6)

Net Weight: (Without Control Unit) Approx. kg (lb).....

2073 (4570)

2241 (4940)

TD-15C

Crawler dozer

HYDRAULIC TILT

	Standard Semi "U"	Optional or Standard
For use with.....	Bulldozers	Bullgrader
Type Control Unit.....	Hydraulic	Hydraulic
PCU Model required.....	1540	1540
Hydraulic Tilt Cylinder.....	1	2
Maximum Tilt: mm (in).....	—	305 (12.0)
Semi "U" Bulldozer,		
Mechanical strut open		—
mm (in)	648 (25.5)	
Mechanical strut		
centered mm (in)	356 (14.03)	—
Hydraulic Oil Cap., litre (gal.)	7.57 (2.0)	15.14 (4)
Shipping Weight,		
approx. kg (lb)	109 (240)	295 (540)

STANDARD EQUIPMENT:

Air cleaner	Filters, transmission oil
Alternator, 50 amp	Fuel strainer
Brakes, foot, hydraulic	Guards—crankcase,
boosted	finger, integral rotatable
Bulldozer, 15C D-2 Semi	instrument panel;
"U" blade, hydraulic	sprocket; transmission;
operated (hydraulic	radiator, hydraulic
cylinders only	Hitch, retrieval
mounted)	Hourmeter
Canopy ROPS (SAE	Muffler
J395) with seat belt	Radiator, isolation
(SAE J386)	mounted
Canopy ROPS rear	Seat, single, upholstered
mounts	type with arm rests,
Canopy ROPS support	adjustable
structure	Steering, planetary type,
Decelerator	hydraulic
Fan, blower	Track chain guides,
Filters, oil full flow with	integral
replaceable elements	

HYDRAULIC CONTROL SYSTEM

PCU Model.....	1540
For use with.....	Semi "U" Bulldozer or Bullgrader
Oil capacity, litre (gal).....	83.27 (22)
Pump capacity, gpm (l/min) at	
6.89 MPa (1000 psi) @ 1988 rpm.....	225.99 (59.7)
Pump type.....	Gear
Relief valve pressure setting, MPa (psi).....	12.76 (1850)
Cylinder, double-acting, bore and	
stroke, mm (in).....	114 x 660 (4.5 x 26)

OPTIONAL ATTACHMENTS:

Alarm, back-up	Fan, reversible pitch (not
Canopy ROPS front	for use w/radiator core
sweeps	guard)
w/ROPS canopy in	Hook, front pull
woods operation	Lights, with guards, 2
Canopy ROPS rear	front, 1 rear
screen	Radiator, armored core or
Drawbars, fixed or	woods core
swinging	Tool box
Engine enclosures—	Tools, 17 items in metal
perforated hood,	box
perforated side doors	Vandalism protection
and hood	

Specifications subject to change without notice. Illustrations may include optional equipment and accessories and may not include all standard equipment.



PAYLINE GROUP

An Operating Group of International Harvester