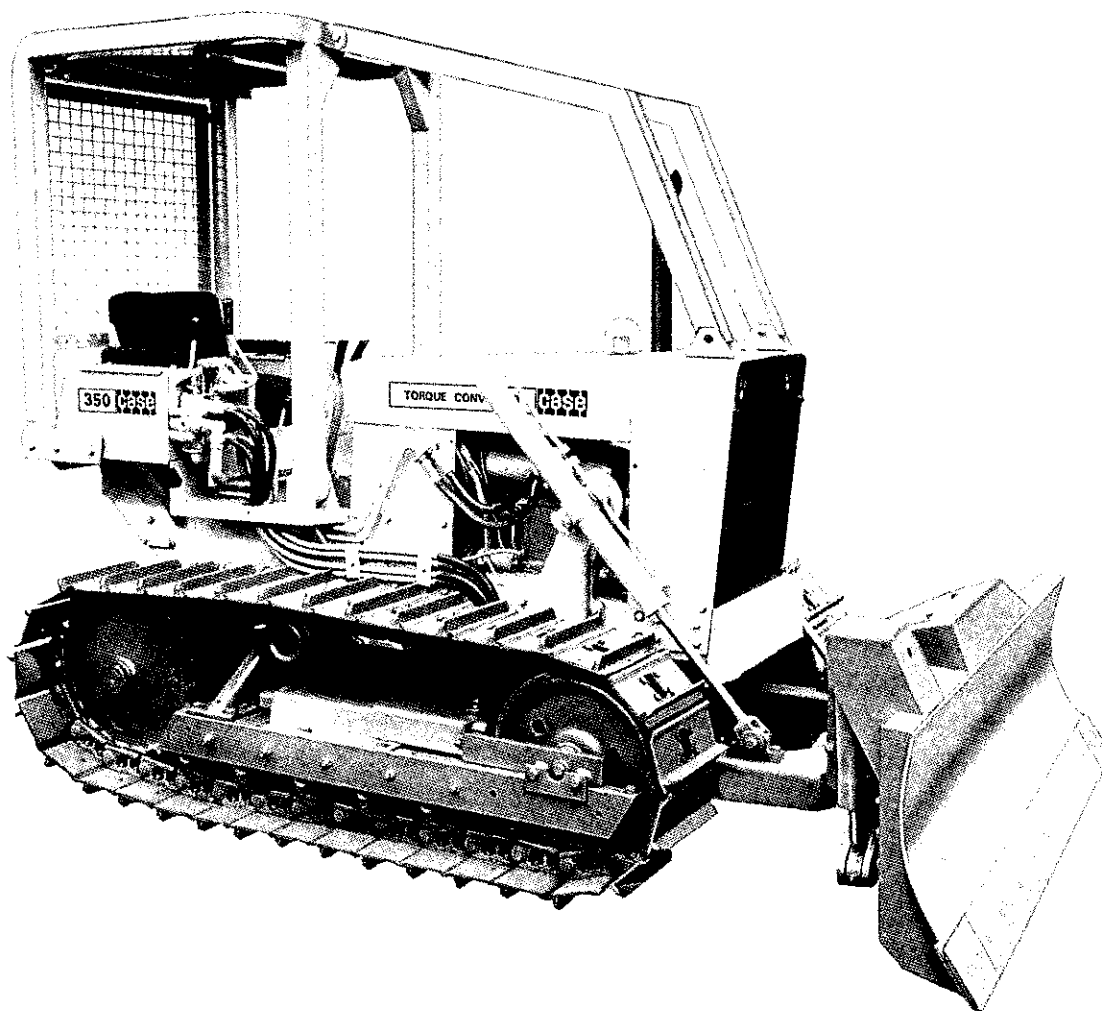




350 DOZERS



39 NET FLYWHEEL HORSEPOWER

Four-cylinder, 188 c.i.d. Case diesel engine

TORQUE CONVERTER

Increases push power and automatically adjusts to load demand

TRANSMISSION

Three speed transmission with power shuttle

POWER TURNS

Turn with power on both tracks for unmatched performance

SEALED TRACK

Extends pin and bushing life

THREE BLADE TYPES

Mechanical angle, hydraulic angle, or versatile hydraulic angle/tilt to match varying applications

Unit shown is equipped with non-standard items.
Manufactured by J I Case Company, Racine Wisconsin USA

J I Case
A Tenneco Company



350 SPECIFICATIONS

ENGINE

Case Model G188D, 4 cycle, naturally aspirated diesel. Open chamber design. Uses No. 2 diesel fuel. Five main bearings. Positive pressure oil lubrication with full flow filtering and internal cooling. Aluminum alloy pistons with full skirt, 3-ring design. 12-volt direct electric starting. Dry type, two-stage air cleaner with service indicator. Two-stage full flow replaceable element fuel filters.

Maximum rated horsepower

(1) Gross44 @ 2000 rpm

(2) SAE net39 @ 2000 rpm

Displacement188 cu. in. (3081 cm³)

Number cylinders4

Bore and stroke3¹³/₁₆" × 4¹/₈"
(97 mm × 105 mm)

Compression ratio17.5:1

Torque, maximum, lbs/ft (kg/m)

Sea level, 60° F133 @ 1300 rpm
(18,4 @ 1300 tr/min)

500' altitude, 85° F128 @ 1300 rpm
(17,7 @ 1300 tr/min)

(1) Manufacturer's rating of maximum engine horsepower at flywheel when equipped with oil and water pumps. Fuel set at maximum quantity for this application. Corrected to sea level — 29.92" (760 mm) Hg and 60° F (15° C) dry air.

(2) SAE net flywheel horsepower of engine as applied to this vehicle when fully equipped with operating accessories including oil and water pumps, alternator, air cleaner, fan and muffler. Corrected to 500' (152 m) altitude with .38" (9,6 mm) Hg vapor pressure 29.38" (746 mm) Hg observed barometer and 85° F (29° C) air (per SAE J816b).

TORQUE CONVERTER

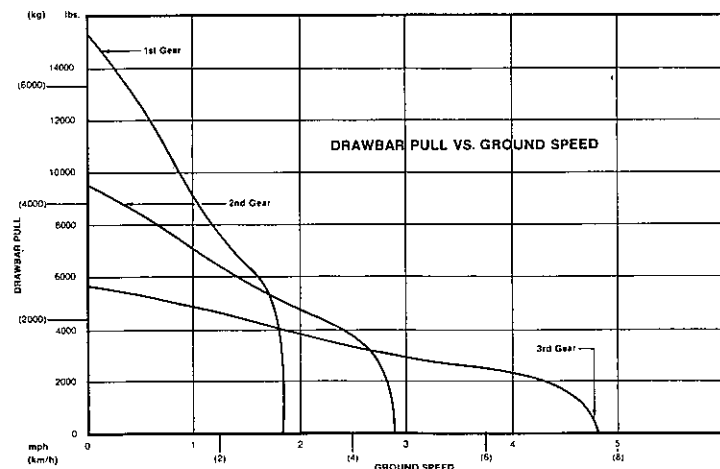
Single stage, hydrokinetic type, 11" (279 mm) diameter with 2.15:1 ratio.

TRANSMISSION

Sliding spur gear with power shuttle permitting directional changes. Three speeds forward three speeds reverse.

TRAVEL SPEEDS

	1st		2nd		3rd	
	mph	km/h	mph	km/h	mph	km/h
Forward	1.85	3,0	2.9	4,7	4.8	7,7
Reverse	1.65	2,7	2.6	4,2	4.3	6,9



Maximum drawbar pull depends on traction and weight of equipped tractor.

STEERING

Controlled planetary differential steering with power to both tracks while turning.

FINAL DRIVES

Spur and bull gear type, single reduction.

BRAKES

Hand operated control levers with parking locks. Foot operated brake pedal which applies brakes to both tracks.

UNDERCARRIAGE

Sealed track, hydraulic track adjusters. Solid front idler. Solid disc hunting tooth sprockets.

Track frameRigid

Track rollers (each side)5

Carrier rollers (each side)5

Track gauge48" (1219 mm)

Length of track on ground63" (1600 mm)

Shoes per track (each side)33

Track shoe widths12" (305 mm) 14" (356 mm)

Area, track on ground

12" shoes 1512 in² (9755 cm²)

14" shoes 1764 in² (11381 cm²)

PUMP AND CONTROL VALVE

Pump: Front-mounted, direct drive, gear-type 18 gpm @ 2000 rpm (68,1 lit/min @ 2000 tr/min)

Angle/Tilt only: Pump 14 gpm @ 2000 rpm (52,9 lit/min @ 2000 tr/min)

Control Valve: Single or two-lever control valve (depending on type of Dozer). Lift lever has positive - hold "float" position. System relief pressure - 1500 psi (105,4 kg/cm²)

Cylinders: Double acting with hardened, chrome plated rods.

Mech. Angle

Lift (2)2.5" dia. × 25.5" stroke × 1.25" rod
(63,5 mm dia. × 647,7 mm stroke × 31,8 mm rod).

Hyd. Angle

Lift (2)2.5" dia. × 25.5" stroke × 1.25" rod
(63,5 mm dia. × 647,7 mm stroke × 31,8 mm rod).

Angle (2)3.5" dia. × 9.625" stroke × 1.75" rod
(88,9 mm dia. × 244,5 mm stroke × 44,5 mm rod).

Hyd. Angle/Tilt

Lift (2)2.5" dia. × 25.5" stroke × 1.25" rod
(63,5 mm dia. × 647,7 mm stroke × 31,8 mm rod).

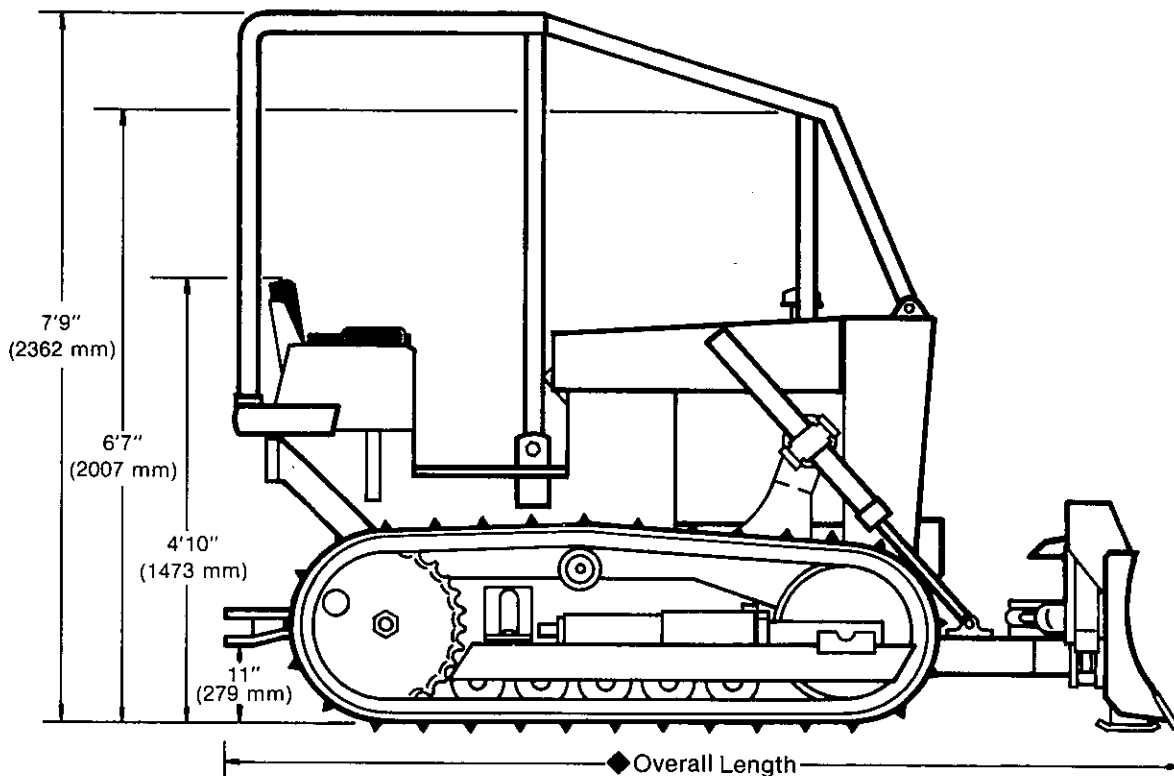
Angle (2)3" dia. × 8" stroke × 1.5" rod
(76,2 mm dia. × 203,2 mm stroke × 38,1 mm rod).

Tilt (1)2.5" dia. × 7.56" stroke × 1.25" rod
(63,5 mm dia. × 192 mm stroke × 31,8 mm rod).

SERVICE REFILL CAPACITIES

	U.S. Gals	Liters
Fuel tank	16	60,6
Engine crankcase (with filter)	1.5	5,7
Hydraulic system	.8	30,3
Transmission and final drives	2.25	8,5
Shuttle and torque converter	2.5	9,5
Cooling system	3.25	12,3

OPERATING DIMENSIONS



DOZER SPECIFICATIONS

Dozer Blade

	Hyd. Angle/Tilt
Width	80" (2032 mm)
Height	24" (610 mm)
Lift above ground	29" (737 mm)
Drop below ground	20" (514 mm)
Angle - (Both directions)	25°
Tilt (Either end)	11" (279 mm)

Pushbeam

and bits (replaceable)

Length	8" (203 mm)
Width	6" (152 mm)
Thickness	1/2" (13 mm)

Cutting edge (reversible)

Length	64" (1626 mm)
Width	6" (152 mm)
Thickness	1/2" (13 mm)

Tractor dozer dimensions

◆ Overall length	
(blade straight)	10'8" (3251 mm)
(blade angled)	11'4" (3454 mm)

Overall width

(blade straight)	80" (2032 mm)
(blade angled)	73" (1854 mm)

operating weight (approx.)	7850 lbs. (3561 kg)
With ROPS	8377 lbs. (3800 kg)

Hyd. Angle

92" (2337 mm)
25" (635 mm)
38 1/2" (978 mm)
9.5" (241 mm)
25°

Outside

12" (305 mm)
6" (152 mm)
1/2" (13 mm)
68" (1727 mm)
6" (152 mm)
1/2" (13 mm)

Mech. Angle

88" (2235 mm)
24" (610 mm)
31" (838 mm)
14" (292 mm)
25°

Outside

8" (203 mm)
6" (152 mm)
1/2" (13 mm)
72" (1829 mm)
6" (152 mm)
1/2" (13 mm)

10'11" (3327 mm)
13'4" (4064 mm)

9'9 1/2" (2984 mm)
11'10 1/2" (3619 mm)

92" (2337 mm)
84" (2134 mm)
8200 lbs. (3720 kg)
8727 lbs. (3959 kg)

88" (2235 mm)
80" (2032 mm)
8050 lbs. (3651 kg)
8577 lbs. (3891 kg)

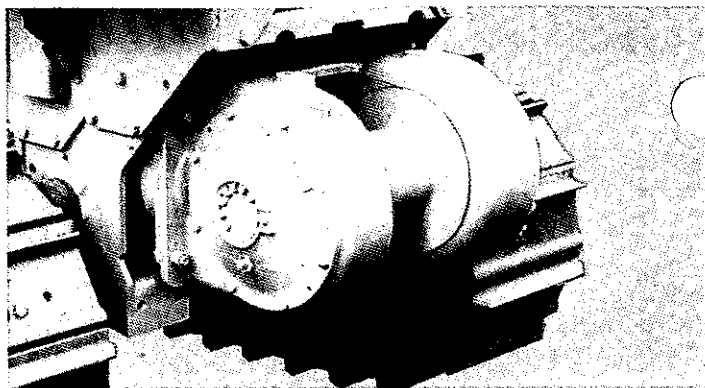
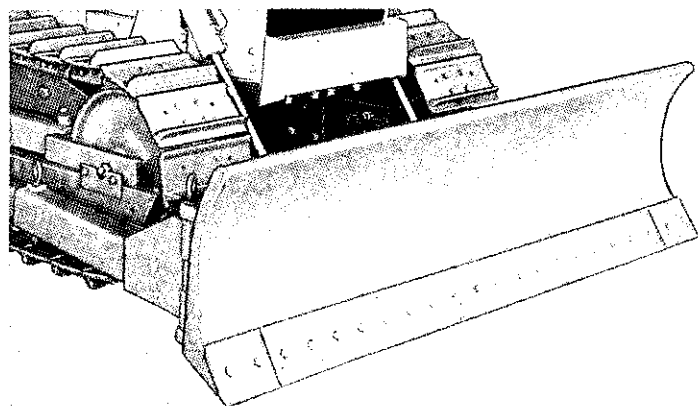
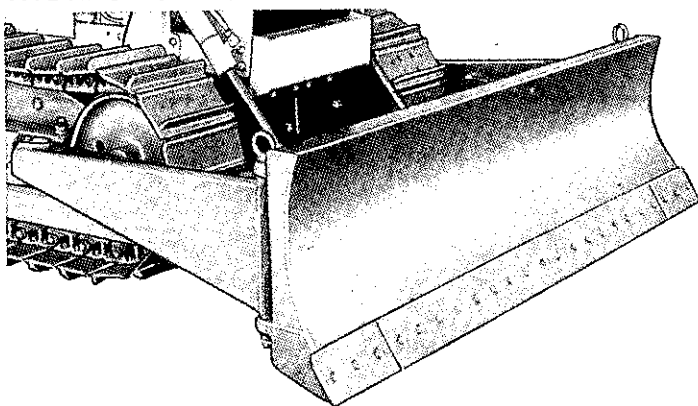
OPTIONAL EQUIPMENT

	Approximate add-on weight	
	lbs.	kg.
Backhoe, 12½'	3200	1452
Drawbar, swinging	67	30,4
Grille, heavy duty	35	15,9
Hitch, three point	450	204
Hook, front pull	10	4,5
Lockup kit	22	10
Muffler, spark arresting	5	2,3
Noise suppression kit	74	33,6
Power take-off	175	79,4
Ripper, counter weights	1110	504
Ripper, five tooth	840	381
Rock guards	260	118
Roll-Over Protective Structure	446	202
ROPS, front sweeps	81	36,7
Side shields, engine	38	17,2
Track rollers, sealed	120	54,4
Transmission guard, bottom	70	31,8
Winch	500	227
Winch, fairlead (three roller)	90	41
Fourth roller	11	5

STANDARD EQUIPMENT

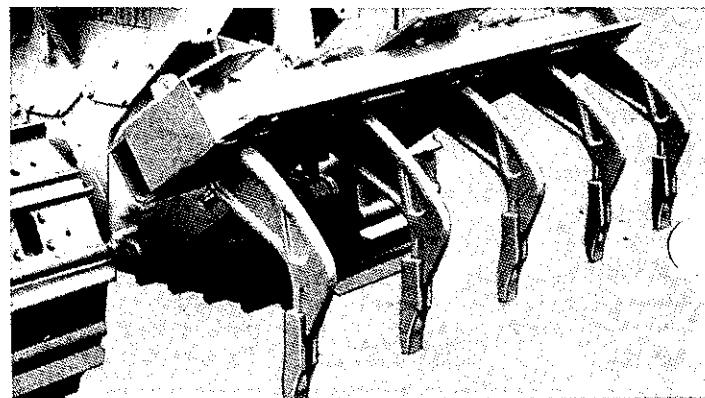
Dry air cleaner with service indicator. Alternator and voltage regulator. Suction fan. Key switch. Neutral safety start mechanism. Sealed track. Hydraulic track adjusters. Crankcase guard. Radiator guard. Engine preheater. Lights, 2 front and 1 rear. Hourmeter. Instrument panel gauges. ROPS canopy mounting brackets.

HYDRAULIC ANGLE BLADE



WINCH

Type	Gearmatic Model 9
Winch drive	Mechanical
Control	Hydraulic
Cable drum capacity	½" (12,7 mm) 153' (46,6 m)
Drum rotation	Overwind
Drum diameter	6" (152 mm)
Rated line pull	16,000 lbs. (7258 kg)



RIPPER

Type	Five Tooth
Overall width	60" (1524 mm)
Maximum penetration	13.5" (344 mm)
Ground clearance (at carry)	11" (279 mm)
Number of shanks (max)	5
Shank spacing	13.5" (343 mm)

NOTE: All specifications are stated in accordance with IEMC or SAE standards where applicable.

IMPORTANT

J I Case Company reserves the right to change these specifications without notice and without incurring any obligation relating to such changes.

Sold and serviced by: