

CASE®

MODEL 530 LOADER- BACKHOE

52 horsepower gas or diesel
8-speed dual-range
shuttle transmission
2500-lb. self-leveling loader
14' backhoe

FEATURES

- Backhoe cuts deeper, reaches farther, loads into higher trucks. Independently controlled, wide-stance stabilizers provide firm footing and balance. 9 sizes and types of backhoe buckets to meet your needs.

- Smooth 180° swing with foot-operated controls... for more precise cutting, extra dig-and-dump cycles per hour. Swing is hydraulically operated thru patented linkage that holds boom firm and steady.

- Husky, alloy steel, box-section boom and dipper stick... have no welds at strain points. Hardened pins and replaceable bushings at points of greatest wear. Alloy steel buckets.

- Self-leveling loader lifts jumbo loads high... provides "float" action, extra breakaway and rollback, dumps clean with almost 9° clearance for fast dump-and-go. Choice of 4 buckets.

- Unit-welded, wrap-around loader main-frame won't spread or distort. One hydraulic system serves loader and backhoe... tractor-mounted hydraulic pump eliminates stresses, wear and leakage.

- Power steering helps you maneuver easily... shuttle transmission speeds forward-reverse shifting, lets you back-up 25% faster than forward in each gear.

- Case-O-Matic® torque converter drive doubles push-power... increases torque to match the load, instantly, automatically... without clutching, shifting, stalling. In combination with 8-speed Dual Range Shuttle Transmission, gives you choice of torque converter or direct drive to fit operating conditions.

- Powerful gasoline or diesel engine develops peak torque at $\frac{2}{3}$ rated rpm... Gear-lever operated safety starting.

Case-o-matic® Torque Converter Drive and Self-leveling Loader



DIGS DEEPER, LOADS HIGHER... MORE FOR YOUR MONEY

Here's a "matched" digging-loading combination that cuts more trench, loads more yards per day than competitive-make machines... yet is *lowest-priced in its class*. Case-built Backhoe digs 14' deep, reaches 16 $\frac{3}{4}$ ' from pivot, and can load a truck over 11' high. You make *more dig-and-dump cycles per hour because smooth 180° swing is foot-operated*, leaving hands free to maneuver bucket and dipper stick while swinging. The Case-built Loader — with choice of 4 sizes of buckets — *loads out bonus yardage on every "pass"*, maneuvers faster to make more round-trips. Extra leverage, teamed with big 21 gpm hydraulic pump, exerts 6000 lb. breakaway force... lifts 2500-lb. loads to clear 10'10 $\frac{5}{8}$ " height. The entire Model 530 unit — engineered, built, and powered by Case — is husky and strong to maintain high rate of production, *with minimum upkeep and repair expense*.

MANUFACTURED AND WARRANTED BY

J. I. CASE CO., RACINE, WISCONSIN, U.S.A.

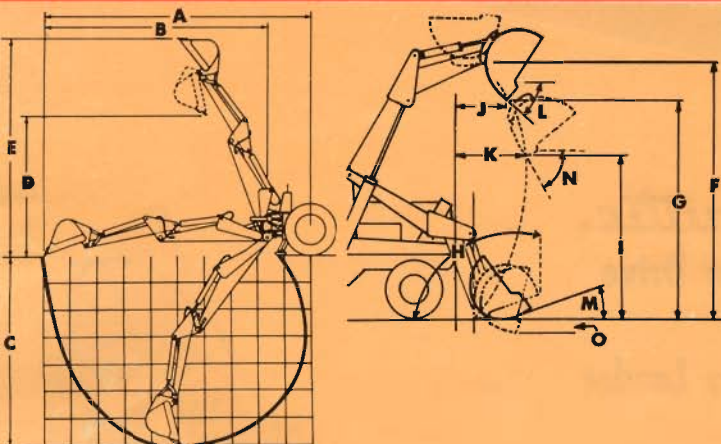
1st in quality for over 120 years



SPECIFICATIONS

MODEL 530 WHEEL LOADER-BACKHOE

with *Case-O-matic DRIVE*. and
Self-leveling Loader



A	B	C	D	E	F	G	H
20'0"	16'9"	14'0"	11'2"	16'4"	10'10 ⁵ / ₈ "	8'7"	84°
I	J	K	L	M	N	O	
7'	17 ¹ / ₂ "	27 ³ / ₄ "	45°	30°	66°	5 ¹ / ₂ "	

BACKHOE OPERATING DATA

Buckets available, width.....12", 18", 24", 30" and 36" digging;
12", 16" and 30" bellhole; 36" comb. b-h and grave
Swing arc, uninterrupted180°
Stabilizer spread, ground level10'0"
Vertical cut on max. grade of15°
Breakout capacity, max.13,000 lbs.
Lift capacity (boom and dipper stick extended)1350 lbs.

LOADER OPERATING DATA

	cu. ft.	cu. yd.
Buckets, SAE rated capacity.....	15	18
SAE struck capacity.....	12	14
width	63 ³ / ₈ "	73 ³ / ₈ "
Dump angle @ 7' and max. lift	66°	45°
Dump reach @ 45°, 7' and max. lift	27 ³ / ₄ "	and 17 ¹ / ₂ "
Lift capacity to full height	2500 lbs.	
Breakaway, maximum (to 12")	6000 lbs.	
Cycle: lift (full height)	5.1 sec.	
dump	2.7 sec.	
lower	3.3 sec.	

DIMENSIONS AND WEIGHT

Width, overall (travel pos. @ 66" rear wheel tread)81"
Height, overall, (travel pos.)10'6"
Height, tractor only58"
Length, overall (travel pos.)22'3"
Tread, front53"
rear (reversible discs)58" or 66"
Tires, front, std.7.50-16, 10 ply
rear14.9-24, 6 ply
Wheelbase75¹/₄"
Ground clearance12"
* Approx. working weight, gasoline9375 lbs.
diesel9450 lbs.

* Working weights include all standard equipment, fuel, oil etc., counterweighting buckets and operator.

ENGINE

	Gasoline	Diesel
Make and model	Case: G-159	G-188D
Fuel	Gasoline, reg.	Diesel No. 2
Horsepower†, maximum (gross) ..	52 @ 2100 rpm	52 @ 2100 rpm
net	47 @ 2100 rpm	47 @ 2100 rpm
Torque, maximum, lbs.-ft.	139 @ 1250 rpm	139 @ 1350 rpm
Cylinders, no. (valve-in-head) ...	4	4
Bore and stroke	3 ¹ / ₂ " x 4 ¹ / ₈ "	3 ¹³ / ₁₆ " x 4 ¹ / ₈ "

Displacement, cu. in.	159	188
Compression ratio	7.4 to 1	17.5 to 1
Starting	12-volt electric	12-volt electric
Air cleaner	Oil Bath	Oil Bath
Oil filter, full-flow type with ...	Renew. cart.	Renew. cart.
Governor	Mech. flyweight	Mech. flyweight
Cooling system, type	Pressurized, 4 lbs.	Pressurized, 4 lbs.
capacity	13 quarts	16.5 quarts
pump	Vane, perm. lubr. brng.	Vane, perm. lubr. brng.

† Sea level (calculated) max. hp (based on 60° F and 29.92" Hg.). Manufacturer's rating.

FUEL TANK, capacity22 gal.

TRANSMISSION

Sliding spur gear with Dual Range and synchronized shuttle shift.

TRAVEL SPEEDS in direct drive @ 2100 rpm:

	Low Range				Direct Range			
	1st	2nd	3rd	4th	1st	2nd	3rd	4th
Forward	1.9	2.8	3.7	12.9	3.1	4.5	5.9	20.8
Reverse	2.4	3.5	4.6	16.0	3.8	5.6	7.3	25.9

BRAKES, foot, double-disc, individual rear wheel,
lock-together for travel, parking lock6¹/₂" dia.

STEERING

Type, standardPower-assist
Turn radius, steered10'

HYDRAULIC SYSTEM

Backhoe cylinders, double-acting; chrome-plated rods:
Boom(1) 4" x 39¹/₄", 2" rod
Crowd(1) 4" x 32", 2" rod
Bucket(1) 3¹/₂" x 27¹/₄", 1³/₄" rod
Swing (2) 4" x 11", 1³/₄" rods
Stabilizers(2) 3¹/₂" x 16³/₈", 1¹/₄" rods

Loader cylinders, double-acting; chrome-plated rods:
Lift(2) 3" x 31¹/₂", 1¹/₂" rods
Bucket(2) 2¹/₂" x 23³/₈", 1¹/₂" rods

Cylinder design and packing: Easy-to-service with removable end-caps. Hardened and chrome-plated rods equipped with two-way triple-seal packing Phenolic guide rings, Teflon wiper rings and self-locking nuts.

Reservoir: Built into loader frame. 12 gal. capacity. Has full-flow oil filter with condition indicator.

Controls: Four-position double-spool valve with positive-hold "float" position; built-in relief; mounted for right-hand operation of loader. Heavy-duty 6-spool valve with individually replaceable spools and bodies provides precise operation of backhoe boom, crowd, bucket, and stabilizer cylinders. Foot pedals control backhoe swing with feathered action and cushioned stops. Primary relief setting at 1850 psi.

Pump: Tractor-mounted, direct drive with flexible coupling, gear-type, 21 gpm capacity @ 2100 rpm.

Hydraulic lines: Steel tubing with brazed fittings, and wire-braid high-pressure hose with swaged fittings.

Pump: Tractor-mounted, direct drive with flexible coupling, gear-type,
STANDARD EQUIPMENT: Gasoline engine, 12V starter, power steering, 8 speed shuttle transmission, Case-O-Matic torque converter drive, "All Traction Utility" tires, grille guard, upright muffler, rain cap, anti-freeze solution, oil filter, oil pressure gauge, heat indicator gauge, ammeter, fuel gauge, engine speed indicator, hour meter, speedometer, torque converter temp. gauge, clutch hyd. temp. gauge, foot throttle, comfortable weather-resistant easy ride seat, two headlights and combination rear flood and taillight, fenders, tool box, front counterweight, backhoe and self-leveling loader with controls (less buckets), complete hydraulics with oil filter condition indicator.

OPTIONAL TRACTOR EQUIPMENT: Diesel engine, bar type tread tires, wheel weights, PTO, horn, cigarette lighter, warning light.

OPTIONAL LOADER EQUIPMENT: Buckets (see operating data), bucket spill guards, digging teeth, pallet fork, log fork, dozer blade, crane boom.

OPTIONAL BACKHOE EQUIPMENT: Buckets (see operating data), street-cemetery pad for stabilizers.

IMPORTANT: J. I. Case Co. reserves the right to change these specifications without notice and without incurring any obligations relating to such changes.

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