

# 530 A/II PAYloader

## Additional Attachments

Defroster for brake system	Steering system emergency
Fenders	Tachometer
Filter, watchdog	Tire inflating hose
Noise reduction kit A.V.V.	Tools - 25 items, in plastic bag
Noise reduction kit, french version	Valve, 3-spool
ROPS Cab	
Speedometer (will be specified acc. to combination charge)	

# 530 A PAYloader Series II



INTERNATIONAL HARVESTER

The company's policy is one of continuous improvement and development therefore specifications are subject to change without notice. Illustrations may include optional equipment and accessories and may not include all standard equipment.

# 530 A/II PAYloader

## Specifications



<b>Engine</b>	
Make and model	International DT-402
Type - 4 cycle diesel, turbocharged, direct start, direct injection.	
Intern. net output, kW (hp)	116 (158)
governed rpm	2500
Max. torque	
Nm (mkp)	554.3 (56.5)
rpm	1700
Bore and stroke	
mm	100 x 139.7
No. of cylinders	6
Displacement	
cm <sup>3</sup>	658.9
Compression ratio	16:1
Electrical system	24 V

<b>Torque Converter</b>	
Twin disc MS 235	
Stall ratio	2.72 to 1

<b>Transmission</b>	
Soft-shift, countershaft type, constant mesh.	
Full soft-shift allows range and directional changes at full engine rpm.	
Speeds	1st      2nd      3rd
Forward, km/h	0-7.5    0-13.5    0-31
Reverse, km/h	0-8      0-14.5    0-33

<b>Differentials</b>	
Power transfer.	

<b>Axles</b>	
Heavy-duty type with full-floating axle shafts and planetary final drive. Four wheel drive.	
Front axle fixed, rear axle oscillates a total of 24°.	
Vertical wheel travel of 51 cm (20 in).	

<b>Hydraulic Steering</b>	
Articulated frame. Full hydraulic power (with mechanical follow-up). Demand type providing reliable smooth flow steering at any engine speed.	
Articulation outside tires, right or left	
Turning radius outside tires	5.77 m

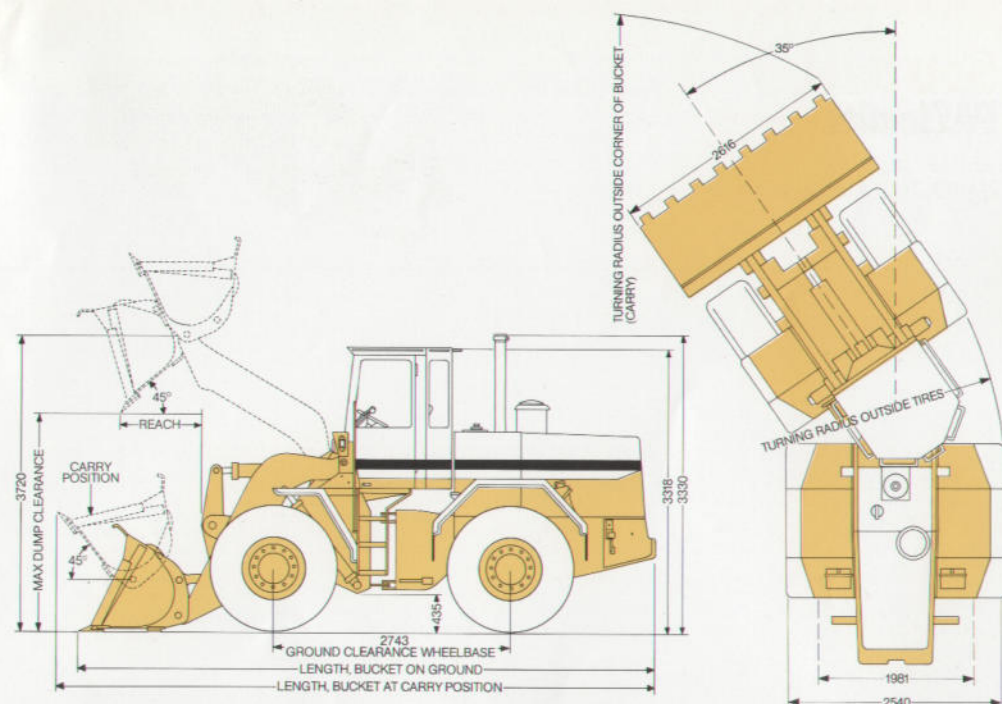
<b>Brakes</b>	
Service - four wheel, axle by axle, air-over-hydraulic.	
Operator's choice braking: left pedal neutralizes transmission and applies brakes, right pedal applies brakes only.	
Parking - mechanical type on drive shaft front axle.	

<b>Service Capacities (approx.)</b>	ltr.
Cooling system	47
Lube systems:	
Crankcase	15.5
Transmission	19
Differential and final drive, front	31
Differential and final drive, rear	31
Hydraulic system	102
Fuel tank	227

<b>Hydraulic System</b>	
Type: Closed with pressure control (1.75-2.1 bar) and vacuum relief.	
Raise boom in 6.0 sec. Lower boom in 3.5 sec.	
Reservoir: cylindrical type with 10 micron filters for full return flow filtering, suction screen, oil level dip stick and removable full diameter cover for quick servicing. Pump: dual, vane type, driven from accessory drive.	
Main hydraulic:	
output at rated speed	255.6 l/min.
Steering hydraulic:	
output at rated speed	64.3 l/min.
Valve: two-spool with relief valve.	
Relief valve pressure	190 kg cm <sup>2</sup>
Cylinders (double acting): hardened chrome plated piston rods.	
Boom - bore and stroke (2)	140 x 864 (5.5 x 34)
Bucket - bore and stroke (1)	165 x 493 (6.5 x 19.5)
Steering - bore and stroke (2)	76 x 413 (3 x 16.3)

<b>Hydraulic Controls</b>	
Boom circuit: automatic kickout adjustable from operator's desk from ground level to full lift height.	
Positions: raise, hold, down pressure and float.	
Bucket circuit: bucket indicator provides visual indication of bucket position.	
Positions: roll back, hold and dump.	

<b>Standard Equipment</b>	
Air cleaner: dual stage, dry type with service indicator.	
Alternator: 28-volt, 45 Amp. with voltage regulator.	
Bucket positioner: automatic.	
Control lever lockouts.	
Coolers; transmission-torque converter oil and engine oil.	
Differentials: torque proportioning.	
Draw clevis	
Instrumentation - air pressure gauge, engine coolant gauge and light, fuel gauge, hourmeter, T.C. oil temperature gauge and light, voltmeter, pilot lamps for - engine oil pressure, parking brake, low brake fluid level, low air pressure, alternator charge, main steering, air cleaner service, transmission and hydraulic oil filter service, flasher, bright light, service brake, Sight gauges: fluid level-engine coolant, hydraulic oil, brake fluid.	
Ladder: dual access to operator's compartment.	
Lifting eyes and tie-downs.	
Lighting system: 24-volt, working lights - two front (Halogen), two rear, two stop and tail, turn signal with hazard warning switch, Master electrical disconnect.	
Moisture ejectors: automatic.	
Seat: suspension type, full adjustable.	
Starting: 24-volt electric, 4.8 kW.	
Filters: engine oil cartridge type element transmission-torque converter and hydraulic oil with service indicator.	
Horn.	
Tires: 20.5-25, 12 PR (L-2), tubeless	
Vandalism Protection.	



**DIMENSIONS VARY WITH BUCKET SIZE-REFER TO CHART BELOW**

Bucket Type	General Purpose	General Purpose	General Purpose	Multi Purpose
Bucket Capacity, m <sup>3</sup>	1.9	2.3	2.7	1.9
Width, cm	261.6	261.6	261.6	264.2
Max. Mat'l. Weight per kg.m <sup>3</sup>	Excavating	1780	1483	1272
	Stockpile	2136	1780	1526
Static Tipping Load**	Straight kg	9172	9110	9017
	Full Turn	8246	8199	8115
Basic Operating Weight, kg**	12503	12590	12685	-
Dump Clearance, Max. Height and 45° Dump Angle, cm*	285.5	276.5	267.0	280.5
Reach at 7"Cut Edge Clearance and 45° Dump Angle, cm	149.0	151.0	156.0	-
Reach at Max. Height and 45° Dump Angle, cm*	97.0	106.0	115.5	-
Overall Length, Bucket on Ground, cm*	638.0	650.2	662.0	-
Overall Length, Bucket Carry, cm*	684.0	693.0	702.5	-
Turning Radius Outside Corner of Bucket, cm*	614.9	622.5	642.8	-
Lifting Capacity, N/kg	14709	14543	14329	-
Breakout Force, N/kg	17432	15670	14058	-

\* Increases or Decreases according to tire size - Refer to Machine Dimensions  
 \*\* Machine stability and weight can be increased for stockpile loading by adding larger tires, ballast or counterweights, proper selection of optional equipment for optimum machine performance is dependent upon material weight and operating conditions.