

# 5020/5030

The Diesel Force



Better  
by Design  
 ALLIS-CHALMERS

# 3 Work-Sized Models— With Job-Matched Speeds and Power.

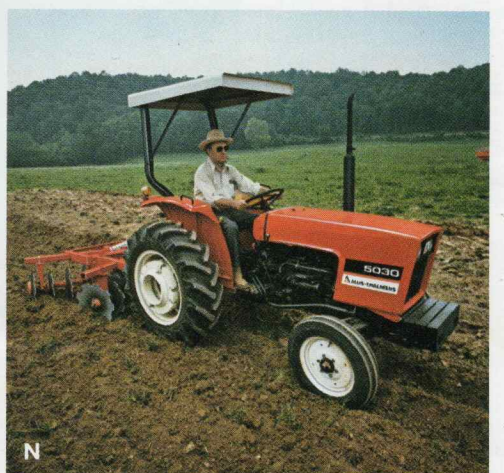
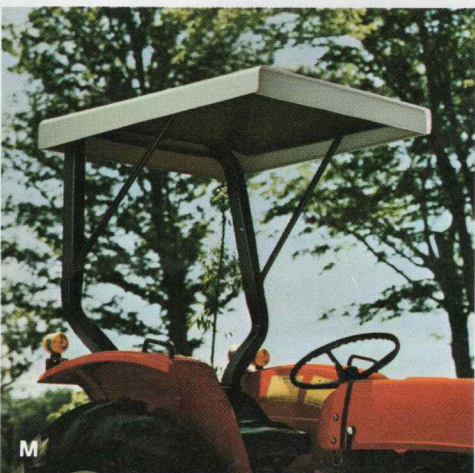
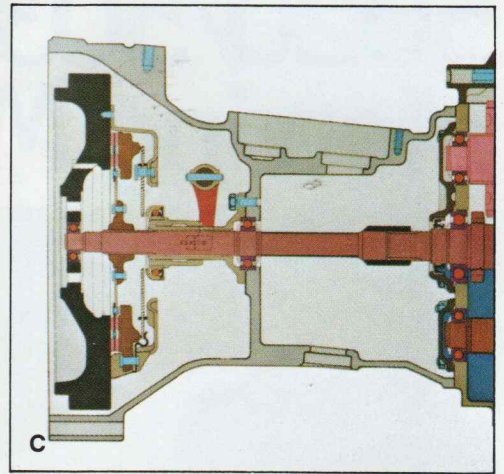
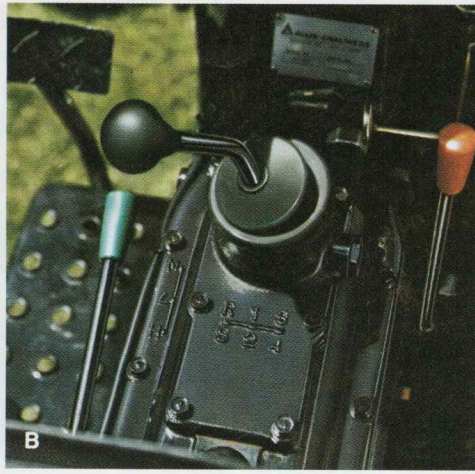
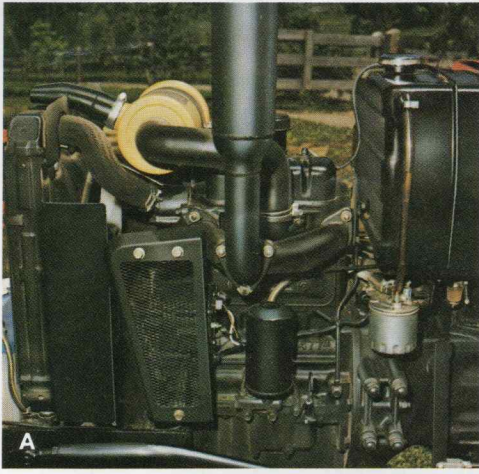


These 5020/5030 tractors let you work your way through tough assignments on the farm, in the feed lot, around golf courses, landscaping, large estates and institutional acreage. And they top off their jack-of-all-trades versatility with a **two-year power train warranty** that strengthens the promise of steady, day after day output.

These husky little tractors pull one and two bottom plows with ease, handle a 20-blade disc harrow, a 48-inch bucket on the front end loader, cut a giant swath with a 5-foot rotary mower, pull a 66-inch box scraper. Twelve forward speeds and three reverse from three speed ranges bring all of this implement versatility down to practical use. And an easy-handling hydraulic system for position control over 3-point hitch attachments.

It's all yours at an easy-to-take price: quiet, responsive, eager power plus the implement selection and application to suit your job requirements and purposes—and world-famous Allis-Chalmers quality design concepts for years of reliable operation.





**A.** Job-matched power! It comes from 77.1 and 90.1 cubic inch powerhouses—21.79 PTO horsepower\* in the 5020 and 26.42 PTO horsepower\* in the 5030. Two cylinders; easy-to-service dry type air cleaner. Safety start switches mean transmission must be in Start position and PTO disengaged before engine will start.

**B.** Precision-cut gears and rugged power-matched components. . . 12 forward speeds plus three reverse to make your time in the field most productive. Two power take-off points available—front and rear. Efficient design reduces power losses, boosts fuel economy.

**C.** Big 8.5" diameter clutch means quick response, positive control, long service life with low maintenance.

**D.** Using a combination of main and range transmissions providing 12 forward and three reverse speed selections to match each load demand—with strength and durability to spare. Gear box uses constant mesh sliding gear design with spur gears.

**E.** Category 1 3-point hitch features implement

position control, sway chains and adjustable drawbar. An adjustable lift link lets you tilt or cross-level implements simply by turning a lever.

**F.** Simplified maintenance and service is offered by flip-up hood, giving you full access to engine compartment. Makes it easy to check battery, cooling fluid level, fill crankcase.

**G.** Hydraulic position control lets you preset up and down positions of mounted implements, for constant control. Flow control valve under the seat permits rate of lowering to be controlled directly by the operator.

**H.** Differential lock helps you through soft spots by locking both rear wheels together when foot pedal is depressed—both wheels pull together to walk you out of trouble spots.

**I.** Four front axle widths on the 5030—40.9, 44.3, 47.7 and 51.1—provide the ideal match-up to rear wheel settings.

**J.** Adjustable Rear Wheel Rims. . . 5020 (on Agricultural tires) . . . 37 inches minimum with the wheel dished in; 47.7 inches with the wheel dished out. 5030 (on Agricultural tires)—40.9 inches

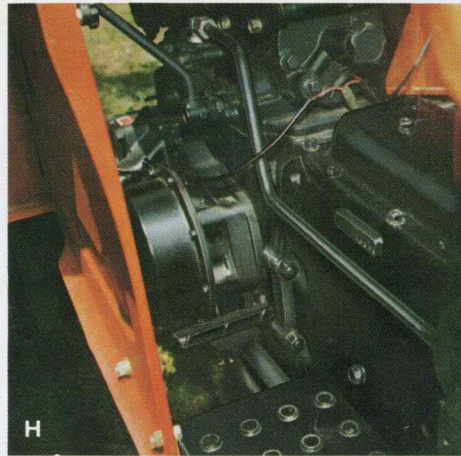
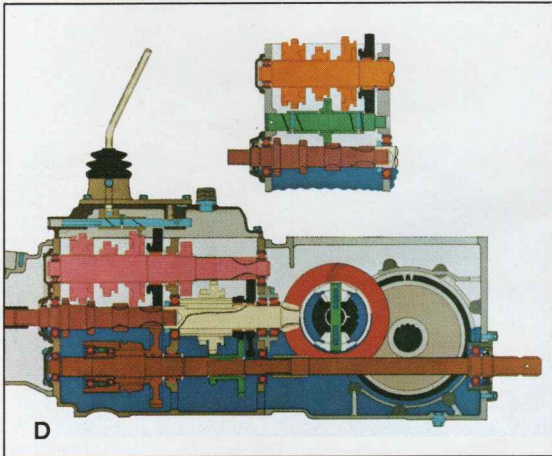
minimum, 62.5 maximum. Gives you the right wheel spread for peak pulling power on open field work or to match varying row crop widths.

**K.** Transmission-driven PTO with overrunning clutch generates 540 RPM at 2326 engine RPM. It isn't live until you engage the shift lever and then the clutch.

**L.** Comfort-cushioned seat is suspended—soaks up bumps and jars for operator comfort. Adjusts fore and aft for most convenient positioning.

**M.** You can choose roll-over protection for the 5020/5030 tractors with or without a canopy. Seat belts are standard equipment with the ROPS frame. Rear fender-mounted flashers are ready to issue their slow-moving vehicle alert.

**N.** Front Weights—75 pound front frame weights are available to balance the load added by 3-point hitch attachments. Bolt-on style for easy, secure attachment. **Rear Wheel Weights** add 125 pounds for dig-in traction that pulls you through with deep-running implements in tow.



## Features You'd Expect On Tractors Twice Their Size!



# 5020/5030 Willing Workers.



**5020 2WD**... features a 21.79 PTO hp\* (25 engine hp\*\*), 2-cylinder engine with 77.1 cu. in. displacement, easy-to-service dry type air cleaner. Twelve forward speeds and 3 reverse from three speed ranges provide a forward speed range from 0.2 to 8.6 mph. The right combination of speed and power for every task.

With its capabilities for handling lots of small jobs in a big way, the Allis-Chalmers 5020 2-wheel drive tractor proves itself in a variety of different roles—on large estates, golf courses, municipal and institutional grounds, feed lots, small farms, and more. Its 2-cylinder, 77.1 cu. in. engine provides power and then some for pulling a moldboard plow through tough ground. With easy-to-add attachments it manhandles a wide range of other demanding jobs with speed and efficiency, and quick-responding controls put you in full charge.

**5030**... packs a 90.1 cu. in. engine that provides 26.42 PTO horsepower\* (31 engine hp\*\*) for powering 12 forward speeds and 3 reverse, giving you the right combination of speed and power for every task. Quick-responding, convenient controls put—and keep—you in full charge. Speeds range from 0.3 to 13 mph.

Plenty of power to tackle man-sized jobs on farms, estates, municipal and institutional grounds, golf courses, nurseries and landscaping projects. The maneuverability and ease of control to get them done quickly and efficiently. The versatility to put all that eager power to work with a wide range of easy-to-use attachments, every season of the year. The ruggedness that spells reliable service year after year. All these, the 5030 delivers—in full measure!

**5020 4WD**... features a 21 PTO hp\* (25 engine hp\*\*), 2-cylinder engine with 71.1 cu. in. displacement, easy-to-service dry type air cleaner. Twelve forward speeds and 3 reverse from three



speed ranges provide a forward speed range from 0.3 to 11.2 mph.

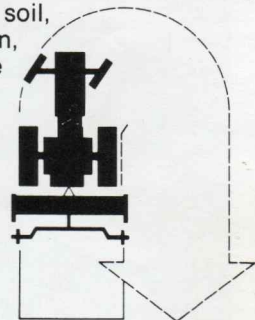
Combining a big appetite for work with the maneuverability and power of 4-wheel drive, the new Allis-Chalmers 5020 4-wheel drive tractor proves itself on a variety of different tasks. Its 2-cylinder 77 cu. in. engine delivers power and then some for pulling a moldboard plow through tough ground. Easy-to-add attachments manhandle season after season of demanding jobs with quick-responding controls.

**Greater Traction**... matches the stay-on-the-pull stamina of a larger tractor. Plowing or hauling, you get power that stays down to its work.

**More stability**... with all four wheels working, the 5020 stays on the pull, delivers more uniform pull-power to each wheel, reduces slippage and fuel waste.

The combination of 5020 4-wheel drive and Quick Attach Loader makes an outstanding performance-matched team for handling all sorts of material—sand, gravel, top soil, hard packed dirt or deep snow. In addition, the combination of 4-wheel drive with the the big 72" hydraulic angle dozer or 60" 2-stage snow thrower gives superior traction for fast, efficient job-handling.

**Easier to work the slopes**... with its 4-wheel climbing power, the 5020 works the rises and slopes easier, smoother... delivers big power through the low spots and the slippery areas.



\*See specifications—page 10.  
\*\*See specifications—page 10.

• 5020 4WD unique short turning radius—only 107" (2718 mm) with brake—plus 4-wheel drive pulling power.

# 5020/5030 Mowing Masters.



Ask your Allis-Chalmers dealer about Allis-Chalmers brand and approved companion implements.

Turn circles 'round a park! 5020 maneuverability and ease of control lets you trim close to trees, fences, landscaping, gets you in and out of close quarters easily. With 60" center mounted Rotary Mower—up front hook-up allows mower deck to tilt with front axle—up and down, side to side—for non-scalp action.

For suburban cutting, rear mounted 60" Rotary Mower delivers a park-like appearance.



Trim acres of time off a big course! Pulling a gang of mowers, the 5020/5030 tractors can rove the hills of any golf course and leave them smoothly trimmed.



# 5020/5030 Farm Hands.



1 or 2 bottom moldboard plows.

If you need a reliable, medium-duty farm tractor that can do 'most any chores that need doing, look no farther than the 5020/5030 units! These are versatile machines that rise to the challenge. Rugged machines that won't choke up under tough, man-sized jobs, offer proved capabilities for handling lots of small jobs in a big way.



Two-Row Cultivator.



Disk Harrow attachment.



Build a fine seedbed in a hurry—with a rotary tiller. Unit is hydraulically raised or lowered, easy to lift over rocks.

# 5020/5030 Versatility!

Designed to make the most of the 5020/5030 combination of power, speeds and ease of control, these tractor-matched attachments mean big savings in time and effort every season of the year!

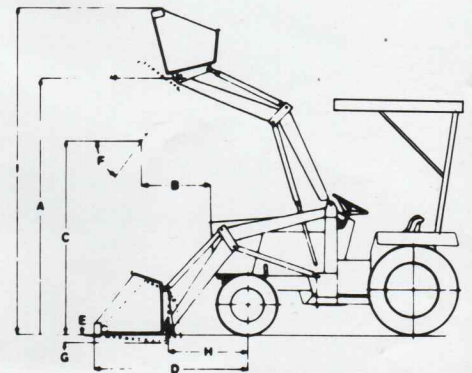


From landscaping to clean up chores this hard-working, heavy-duty front end loader has 48" wide material bucket with separate hydraulic controls for lift and tilt. Wrap-around frame distributes loads to front and rear axles. Quick attach/detach feature means less than five minutes to add or remove loader boom.

## Specifications

	5020-2-WD*	5030
(A) Height to bucket hinge pin (max.)	7'11" (2.4 m)	8'1" (2.5 m)
(B) Reach @ maximum height, bucket dumped	18" (457 mm)	18" (457 mm)
(C) Clearance, bucket dumped	6'5" (2.0 m)	6'7" (2.0 m)
(D) Reach, bucket on ground	4'0" (1.2 m)	4'0" (1.2 m)
(E) Bucket rollback	14 degrees	14 degrees
(F) Maximum dumping angle	45 degrees	45 degrees
(G) Digging depth	3.25" (83 mm)	2" (51 mm)
(H) Reach from axle to bucket hinge pin	28" (711 mm)	28" (711 mm)
(I) Overall maximum height, raised	9'9 1/2" (3.0 m)	9'11 1/2" (3.0 m)
Lift capacity	720 lbs. (327 kg)	720 lbs. (327 kg)
Hydraulic system	1350 PSI (9308 kPa)	1350 PSI (9328 kPa)
48" bucket capacity	6.7 cu. ft. (0.19 m <sup>3</sup> )	6.7 cu. ft. (0.19 m <sup>3</sup> )
Carrying capacity at height of 3 ft.	960 lbs. (435 kg)	960 lbs. (435 kg)
Maximum breakout force	920 lbs. (417 kg)	920 lbs. (417 kg)
<b>Cycle time (seconds)</b>		
Lift to full height from ground level	5.2	5.2
Lower from full height to ground level	4.0	4.0
Dump bucket from rollback position	4.3	4.3
Rollback bucket from dump position	4.1	4.1
Engine RPM	2300	2300
Above specifications based on tire size:		
Standard tires:		
Front	4.00-12 F2	5.00-15 F2
Rear	9.5-24 R1	12.4-24 R1

\*5020 4WD Loader specs similar to 5020 2WD





60" Snow Thrower puts the 5020/5030 tractors to work in the winter. Two-stage design with fluted spiral auger, 18" diameter impeller, adjustable skid shoes and hydraulic lift—plus manually controlled discharge chute with adjustable deflector. Clears snow quickly, cleanly—and puts it where you want it!



Box Scraper makes short work of leveling, grading, backfilling and scarifying. 66" wide. End width is 24", end depth 18½". Cutting edge is ½"×6"×66". Replaceable scarifying teeth are standard.



Scraper and grader blades come in 72" cutting widths... blade height is 13½" with a cutting edge of ½"×6"×72". Blade can be angled 60°, 75° or 90° to direction of travel; heavy-duty blade angles 45°, 60°, 75° or 90° and has tilt adjustment. Reversible cutting edgers on both blades.



Powerful 5020/5030 tractors handle even tough dozing jobs. Front blade is heavy steel, angles right or left 0° to 30°, and clears a 72" width straight ahead. Maximum digging depth is 2". Replaceable cutting edge.



Four-foot-long post hole digger available with auger sizes of 6", 9" and 12". Pilot tip is hardened alloy steel. Makes easy work of tough fencing or shrub-planting jobs.

# Specifications.

	5020	5020 4WD	5030	STANDARD EQUIPMENT	5020	5020 4WD	5030
<b>ENGINE</b>							
Make	Toyosha	Toyosha	Toyosha	12 Speed transmission	x	x	x
PTO Horsepower	21.79 hp (16.25 kW)*	21.79 hp (16.25 kW)*	26.42 hp (19.70 kW)*	12 forward—3 reverse	x	x	x
Base engine horsepower	25 hp (18.6 kW)**	25 hp (18.6 kW)**	31 hp (23.1 kW)**	Glowplug starting aid	x	x	x
No. of cylinders	2	2	2	Hand & foot accelerator	x	x	x
Bore	3.62" (92 mm)	3.62" (92 mm)	3.82" (97 mm)	Differential lock	x	x	x
Stroke	3.74" (95 mm)	3.74" (95 mm)	3.94" (100 mm)	Dry type air cleaner	x	x	x
Rated speed RPM	2500 RPM	2500 RPM	2500 RPM	Retractable drawbar	x	x	x
Piston displacement	77.1 cu. in. (1263 cm <sup>3</sup> )	77.1 cu. in. (1263 cm <sup>3</sup> )	90.1 cu. in. (1477 cm <sup>3</sup> )	Cat. 1, 3 pt. hitch	x	x	x
Compression ratio	23:1	23:1	23:1	Lower link sway chains	x	x	x
<b>CAPACITIES</b>				One adjustable lift link	x	x	x
Cooling system	5.3 qt. (5.0 litres)	5.3 qt. (5.0 litres)	5.3 qt. (5.0 litres)	20x8.00—10 G2 4-ply turf front tires	x		
Fuel tank	7 gal. (26 litres)	7 gal. (26 litres)	7 gal. (26 litres)	5.00-15 F2 4-ply front tires			x
Engine crankcase				6.00x14 4-ply R1 front tires		x	
Oil change only	4.2 qt. (4 litres)	4.2 qt. (4 litres)	4.2 qt. (4 litres)	13.6-16 4-ply R3 rear tires	x	x	
Oil change w/filter	5.0 qt. (4.7 litres)	5.0 qt. (4.7 litres)	5.0 qt. (4.7 litres)	12.4x24 R1 4-ply rear tires			x
Transmission (hydraulic system)	5.5 gal (21 litres)	5.5 gal (21 litres)	6.7 gal. (25.5 litres)	12 volt battery	x	x	x
<b>GENERAL DIMENSIONS</b>				Safety start switches	x	x	x
	With 11.2x24 R1	With 11.2x24 R1	With 12.4x24 R1	Single stage clutch	x	x	x
	Agricultural Tread	Agricultural Tread	Agricultural Tread	Hydraulic position control	x	x	x
	Rear Tires	Rear Tires	Rear Tires	Flip-up hood	x	x	x
Height to top of exhaust stack	75.6" (1920 mm)	75.6" (1920 mm)	81.9" (2080 mm)	Two single beam headlights	x	x	x
Height to top of hood	42.7" (1085 mm)	42.7" (1085 mm)	45.1" (1146 mm)	Rear taillight	x	x	x
Height to top of steering wheel	51.3" (1303 mm)	51.3" (1303 mm)	53.7" (1365 mm)	Two flashing warning lights	x	x	x
Wheelbase	59.8" (1519 mm)	59.8" (1519 mm)	61.8" (1570 mm)	SMV emblem	x	x	x
Turning radius w/brake	87.8" (2230 mm)	107" (2718 mm)	92.0" (2337 mm)	Adjustable seat	x	x	x
Minimum width	48.0" (1219 mm)	48.0" (1219 mm)	53.5" (1360 mm)	PTO-540 RPM with overrunning clutch	x	x	x
Overall length	98.9" (2512 mm)	98.9" (2512 mm)	100.4" (2550 mm)	instrumentation—Warning light system,			
Clearance under front axle	12.6" (320 mm)	12.6" (320 mm)	14.5" (368 mm)	alternator and engine oil pressure,			
Clearance under rear axle housing	14.0" (356 mm)	14.0" (356 mm)	15.6" (396 mm)	water temperature and fuel gauges,			
Approx. shipping wt. w/o crate	1900 lbs. (862 kg)	2150 lbs. (975 kg)	2280 lbs. (1034 kg)	hourmeter and tachometer	x	x	x
				Adjustable front axle			x
<b>SPEEDS</b>				<b>OPTIONAL EQUIPMENT</b>			
	<b>5020 2-Wheel Drive</b>			ROPS Canopy	x	x	x
Tire Size—Turf Tires 13.6x16 R3	Creep	Low	High	ROPS Frame	x	x	x
Gear	mph (km/h)	mph (km/h)	mph (km/h)	Remote valve (double acting)	x	x	x
First	0.2 (0.32)	0.8 (1.3)	3.0 (4.8)	Front weight	x	x	x
Second	0.3 (0.48)	1.1 (1.8)	4.3 (6.9)	Rear wheel weights	x	x	x
Third	0.4 (0.64)	1.4 (2.3)	5.6 (9.0)	13.6-16 R3 Rear tires	x		x
Fourth	0.5 (0.80)	1.9 (3.1)	7.5 (12.0)	20x8.00-10 G2 turf tires			x
Reverse	0.4 (0.64)	1.5 (2.4)	5.9 (9.5)	Electric engine coolant heater	x	x	x
	<b>5020 4-Wheel Drive</b>			Breakaway coupler group	x	x	x
Tire Size—Agricultural Tires 11.2x24 R1	Creep	Low	High	Hydraulic manifold group	x	x	x
Gear	mph (km/h)	mph (km/h)	mph (km/h)	<b>ATTACHMENTS</b>			
First	0.2 (0.32)	0.9 (1.4)	3.5 (5.6)	<b>Allis-Chalmers Brand</b>			
Second	0.3 (0.48)	1.3 (2.1)	4.9 (7.9)	Center mounted mower—60" width	x		
Third	0.4 (0.64)	1.7 (2.7)	6.5 (10.5)	Rear mounted suburban mower—			
Fourth	0.6 (0.97)	2.2 (3.5)	8.6 (13.8)	60" 3 blades	x	x	x
Reverse	0.5 (0.80)	1.7 (2.7)	6.8 (10.9)	Front end loader—48" capacity***			
	<b>5030 2-Wheel Drive</b>			60" snow attachment available	x	x	x
Tire Size—Agricultural Tires 12.4x24 R1	Creep	Low	High	Rotary tiller—48" MD	x	x	
Gear	mph (km/h)	mph (km/h)	mph (km/h)	—54" HD			x
First	0.3 (0.48)	1.0 (1.6)	4.1 (6.6)	Snow thrower—60" width	x	x	x
Second	0.4 (0.64)	1.4 (2.3)	5.8 (9.3)	Angle dozer—72" width	x	x	x
Third	0.6 (0.97)	1.8 (2.9)	7.5 (12.0)	<b>Companion Attachments Available</b>			
Fourth	0.8 (1.3)	2.7 (4.3)	11.2 (18.0)	Rear grader blade—72" width	x	x	x
Reverse	0.6 (0.97)	1.9 (3.1)	8.0 (12.9)	Moldboard plow—1 bottom, 14"	x	x	x
	<b>5030 4-Wheel Drive</b>			Moldboard plow—2 bottom, 12"			x
Tire Size—Turf Tires 13.6x16 R3	Creep	Low	High	Rear mounted rotary mower—			
Gear	mph (km/h)	mph (km/h)	mph (km/h)	60" 2 blades	x	x	x
First	0.3 (0.48)	1.0 (1.6)	4.7 (7.6)	Post hole digger—4' auger available			
Second	0.5 (0.80)	1.5 (2.4)	6.7 (10.8)	in 6", 9" or 12" diam.	x	x	x
Third	0.6 (0.97)	1.9 (3.1)	8.7 (14.0)	Box scraper—66" width	x	x	x
Fourth	0.9 (1.4)	2.8 (4.5)	13.0 (20.9)	Cultivator—1 row, 52" width	x	x	x
Reverse	0.6 (0.97)	2.0 (3.2)	9.2 (14.8)	Disk harrow—5½' or 6½' width	x	x	x
	<b>5030 4-Wheel Drive</b>						
Tire Size—Turf Tires 13.6x16 R3	Creep	Low	High				
Gear	mph (km/h)	mph (km/h)	mph (km/h)				
First	0.3 (0.48)	0.9 (1.4)	4.0 (6.4)				
Second	0.4 (0.64)	1.2 (1.9)	5.6 (9.0)				
Third	0.5 (0.80)	1.6 (2.6)	7.4 (11.9)				
Fourth	0.7 (1.1)	2.4 (3.9)	11.0 (17.7)				
Reverse	0.5 (0.80)	1.7 (2.7)	7.8 (12.6)				

\*Manufacturer's estimated maximum observed PTO horsepower at rated engine speed.  
 \*\*Manufacturer's estimated maximum observed bare engine horsepower at rated engine speed.  
 \*\*\*Mountings may differ for the 5030 tractor.

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