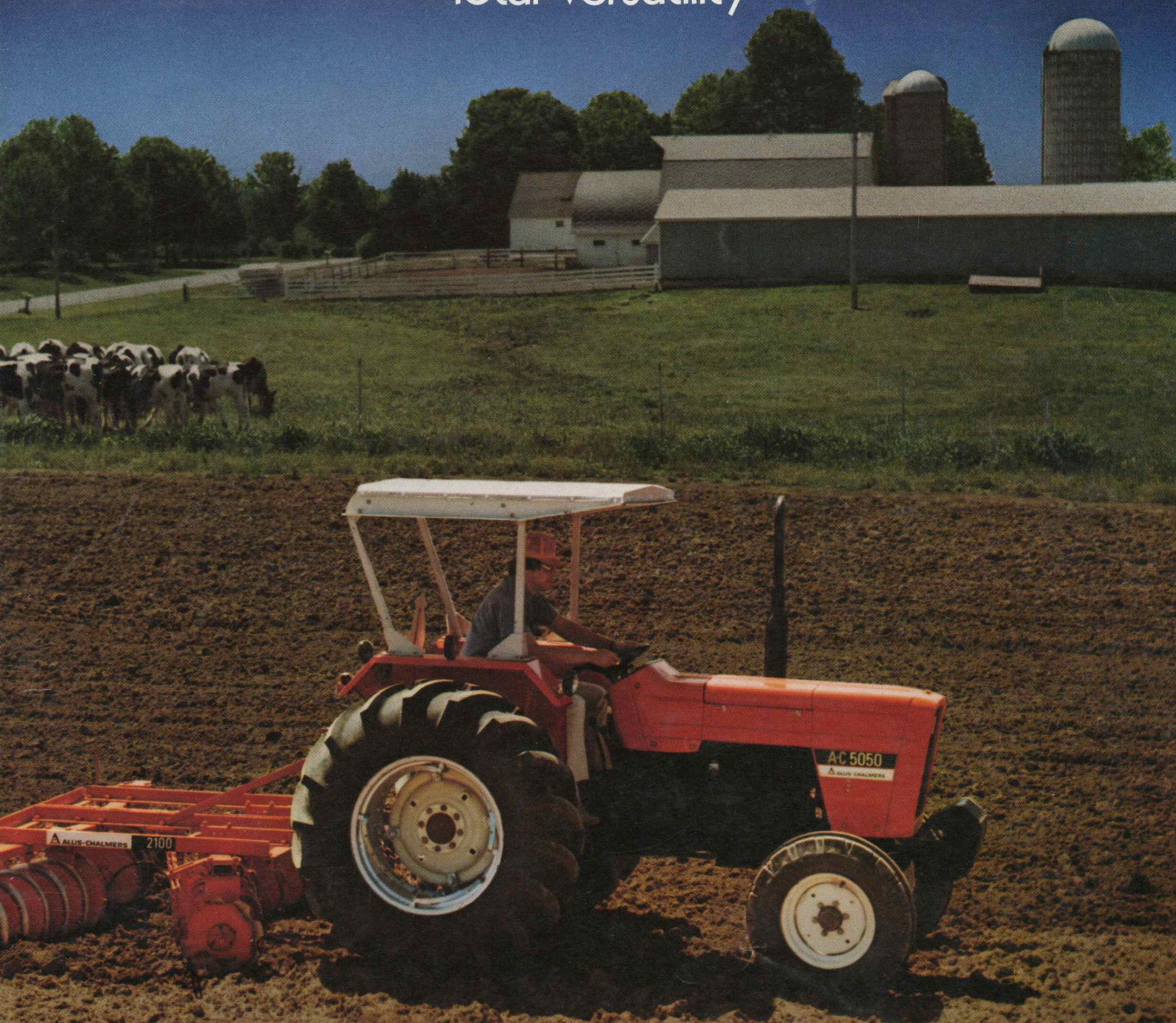


5050 2WD & 4WD

Total Versatility



Better
by Design

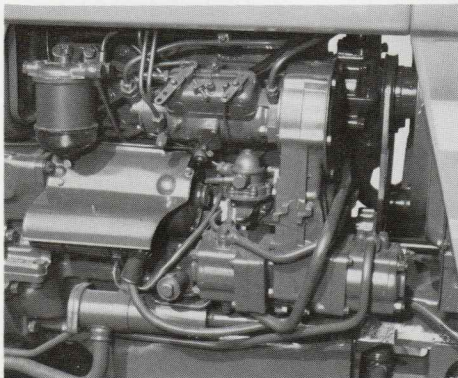


ALLIS-CHALMERS

The 5050.

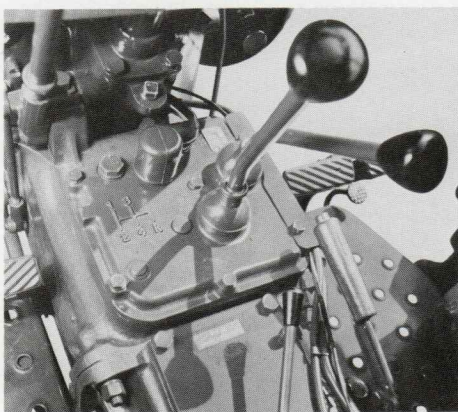
Power features in 2WD or 4WD

167.8 cubic-inches and
51 PTO HP* of pure power.



When you're behind the wheel of this reliable workhorse you have a direct injection, 3-cylinder diesel engine up front with plenty of power. Matched with added torque in reserve and an efficient usage of fuel. And this engine is naturally balanced, with four main-bearings to keep the crankshaft alignment true. And the dry sleeves are replaceable, assuring power performance year after year, job after job.

Putting power into pull with 8 or 12 hard-charging speeds.



Shift on-the-roll with the 5050 8-speed transmission, because 3rd/4th and 7th/8th are fully synchronized. Plus, there are two reverse speeds. The 8-speed transmission model is also available with a 4-wheel drive option for all-wheel traction power. Traction power most tractors this size don't, or can't offer.

With the 12-speed transmission you have four added creeper speeds.



Plus, 3rd/4th, 7th/8th and 11th/12th forward speeds are fully synchronized for power performance that's smooth and dependable.

The 8-speed model offers six speeds under 10 mph. Our 12-speed has ten speeds under 10 mph. And both can move right along at 16.1 mph on the road. With either transmission you'll have the speeds you need for the work to be done.

A power train with added reliability.

This rugged power train features a big 11-inch clutch, constant-mesh transmission, and bull gear final drives to stand up against the toughest field conditions. And a fully independent 540 rpm PTO means the power is always constant, even when the clutch is depressed or the tractor stopped. Operating any PTO attachment like a baler, grinder-mixer, auger, or mower-conditioner is efficient and easy.

To back up this reliability the 5050 power train is covered with a full 2-year warranty.

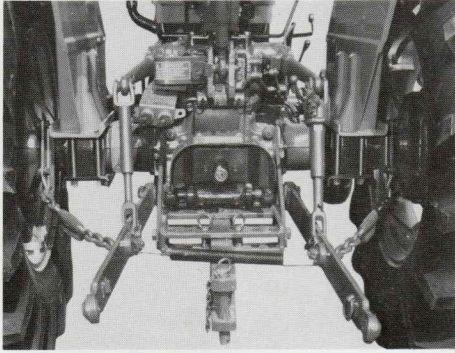
There are more 5050 (2WD) standard features others charge extra for. Like Power Shift rear rims, and adjustable front axle to fit various row widths. And both 2WD or 4WD models come with a

mechanical differential lock, standard... added traction power to pull you through slick/muddy conditions. And it automatically disconnects when you're back on firm ground.





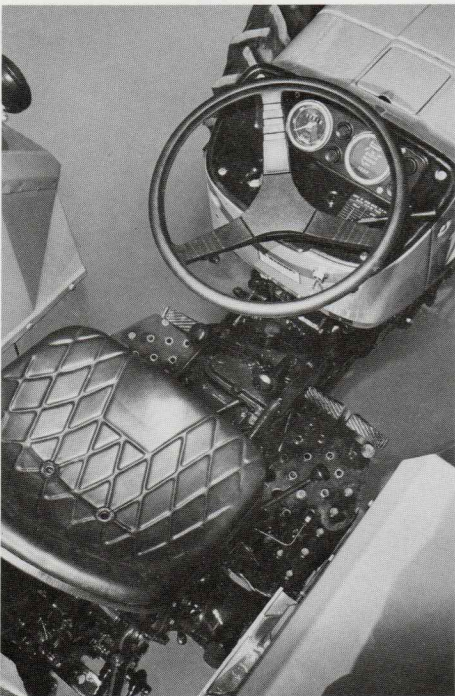
Hydraulics with big-power output.



The 5050 offers an open-center gear pump with an overall output of 6.5 gpm. Here's plenty of hydraulic horsepower to take on most any job from field to feedlot.

And when those jobs mean work with a 3-point hitch, you have Category I or II in the 5050 with a dual acting, breakaway remote outlet. Lower link draft sensing maintains an even working depth for mounted or semi-mounted implements. Plus, hitch sway chains and swinging drawbar make implement hook ups easy.

Making the power easy to take. And easy to take care of.



The 5050 has big tractor comfort and convenience with a full package of extras you don't pay extra for.

The seat is cushioned and adjustable, to the height and weight of any operator. There's a foot and hand throttle. Quick response power steering. High crown fenders keep you dry and clean all year 'round. Plus, there's safety switches for the transmission and PTO. A lighted, non-glare instrument panel and complete lighting package, to handle night work. And also available is an optional protective frame and canopy.

With a 5050 daily inspections are faster and easier. The grill removes quickly and that makes servicing the 12-volt battery and dry-type air cleaner simple.

Special low-profile utility model.

Here's all of the power, features, and reliability of the 5050 in a special low-profile model. With the tractor lowered 7 inches, and the horizontal muffler tucked under the platform, this special edition 5050 makes it easy to cultivate weeds, or disk and grade drainage areas without damaging low hanging branches. Puts power in a compact form for those farmyards where height is a problem too.

Power. For the fields. And the feedlot.



Haul feed, move manure, power a grinder-mixer, mow, dig postholes, clear snow, plow, disk, cultivate, plant and more, with the power and reliability of the Allis-Chalmers 5050.



5050 TRACTOR SPECIFICATIONS

Model 5050 and 5050 Orchard Tractors With 8-Speed Transmission

Engine	
PTO Horsepower.....	51.4 (38.37 kW)*
Type.....	Direct Injection Diesel
Rated Engine Speed—RPM.....	2700
Number of Cylinders.....	3
Bore.....	4.05" (103 mm)
Stroke.....	4.33" (110 mm)
Displacement.....	167.8 cubic-inches (2750 cm ³)
Cylinder Liners.....	Dry-Replaceable
Number of Main Bearings.....	4
Compression Ratio.....	17:1
Operating Range—RPM.....	650-2930

Power Train	
Clutch Type.....	Dual-Dry
Clutch Diameter.....	11" (279.4 mm)
Transmission Type.....	Sliding Gear/Constant Mesh
Number of Speeds.....	8-Forward; 2-Reverse (Synchronized 3-4 & 7-8)
Brake Type.....	Mechanical Band
PTO Type.....	Independent—540 RPM
Differential Lock.....	Mechanical

Hydraulics	
Type of System.....	Open Center
Pump.....	Gear
Rated Capacity—GPM.....	6.47 (24.5 litre/min.)
3-Point Hitch.....	Cat. II-I
Draft Sensing.....	Upper Link
Remote Valve.....	Double-Acting
Power Steering.....	Power Assisted

Electrical	
Battery.....	12-Volt
Alternator.....	37-Amp

Tires	5050	5050 Orchard
Front.....	7.50-16	6.00-16
Rear.....	14.9-28 PA	13.6/12-28

Dimensions With Above Tire Equipment		
Wheelbase.....	75.6" (1.92 m)	72.2" (1835 mm)
Overall Length.....	119.3" (3.03 m)	112.1" (2847 mm)
Overall Width.....	67" (1.70 m)	67" (1.70 m)
Turning Radius W/Brake.....	122" (3.1 m)	122" (3.1 m)
W/O Brake.....	134" (3.4 m)	134" (3.4 m)
Clearance Front Axle.....	20" (508 mm)	15" (380 mm)
Clearance Rear Axle.....	20" (508 mm)	20" (508 mm)

Height:		
Top of Hood.....	56.3" (1.43 m)	49.6" (1260 mm)
Top of Steering Wheel.....	59.3" (1.51 m)	56.1" (1425 mm)
Top of Exhaust Stack.....	91.0" (2.31 m)	N/A
Approx. Shipping Weight—Lbs.....	4150 (1880 kg)	4150 (1880 kg)

Wheel Tread	
Front—	
Minimum Wheels Dished In.....	53.2" (1351 mm)
Maximum Wheels Dished Out.....	77.2" (1961 mm)
Rear—	
Minimum Wheels Dished In.....	52.25" (1422 mm)
Maximum Wheels Dished Out.....	79" (2007 mm)

Wheel Tread (Orchard)		
Front—4 Positions.....	38.9" (990 mm)	42.9" (1090 mm)
	46.8" (1190 mm)	50.8" (1290 mm)
Rear—3 Positions.....	38.9" (990 mm)	43.7" (1110 mm)
	47.2" (1200 mm)	

Capacities	
Cooling System.....	14 Qts. (13.2 litres)
Fuel Tank.....	14.2 Gal. (54 litres)
Crankcase—Oil Change Only.....	7.1 Qts. (6.7 litres)
Crankcase—With Oil and Filter Change.....	8.1 Qts. (7.7 litres)
Transmission & Hydraulic System.....	19 Qts. (18 litres)
Final Drives—(Each).....	1.75 Qts. (1.7 litres)

Standard Equipment	
Engine 167.8 CID Diesel (2750 cm ³)	Water Temperature and Fuel Gauges;
Dry-Type Air Cleaner	Hour Meter and Tachometer
Thermostat Engine Heater	Dual Clutch
12-Volt Battery	Independent PTO 540 RPM
Vertical Muffler (Horizontal on Orchard)	Differential Lock
Transmission Safety Start Switch	Category I—3-Point Hitch
PTO Safety Start Switch	3-Point Hitch Sway Chains (not for Orchard)
Hand and Foot Accelerator	Hydraulic Draft and Position Control
Air Filter Indicator	Swinging Drawbar
Instrumentation—Warning Light System	Power Steering
for Alternator and Engine Oil Pressure;	Adjustable Front Axle

Flip-up Hood Servicing Compartment
Horn
Two Dual-Beam Headlights
Individual Rear Work Light and Taillight
Two Flashing Warning Lights
SMV Emblem, Two Rear Reflectors
Adjustable Deluxe Seat

One Double-Acting Remote Valve
with Breakaway Couplers
8-Forward; 2-Reverse Speeds
7.50-16 F2 Front Tires
14.9-28 R1 Rear Tires
6.00-16 F2 Front Tires (Orchard)
13.6/12-28 R1 Rear Tires (Orchard)

Model 5050 Front Wheel Assist Tractors with 8-Speed Transmission

Same as Model 5050 Tractor with 8-Speed Transmission EXCEPT:	
Wheel Base.....	76.7" (1.95 m)
Overall Length.....	124.7" (3.17 m) (Excluding Hitch)
Turning Radius with Brake.....	130" (3.30 m)
Turning Radius without Brake.....	169" (4.29 m)
Clearance Front Axle.....	Center 12.5" (317 mm)
Clearance Front Axle.....	Sides 15.5" (394 mm)
Height: Top of Hood.....	57.3" (1.46 m)
Top of Steering Wheel.....	60.3" (1.53 m)
Top of Exhaust Stack.....	92.0" (2.34 m)
Approx. Shipping Weight—Lbs.....	4740 (2150 kg)

Wheel Tread	
Front—55" and 59" (1400 mm and 1500 mm)	
Rear—7 positions: 52, 56, 60, 64, 68, 72, 76"	
(1420, 1520, 1620, 1720, 1820, and 1920 mm)	

Capacities	
Transmission & Hydraulic System.....	20.6 Qts. (19.5 litres)
Front Axle.....	3.8 Qts. (3.6 litres)
Planetary Final Drive—each.....	3.45 Pts. (1.6 litres)

Standard Equipment	
Front Wheel Assist	
8.3-24 Front Tires	
14.9-30 Rear Tires	
Travel Speeds—MPH at 2700 RPM	

8-Speed					
MPH	km/h	MPH	km/h	MPH	km/h
1. 1.7	2.6	5. 5.9	9.6		
2. 2.5	3.7	6. 8.9	14.3		
3. 3.7	5.8	7. 13.1	21.1	R1. 2.4	3.8
4. 4.7	7.6	8. 16.9	27.2	R2. 8.5	13.7

*3-4 & 7-8 are Synchronized

8-Speed (Orchard)			
MPH	km/h	MPH	km/h
1. 1.5	2.4	6. 8.2	13.2
2. 2.3	3.7	7. 12.0*	19.3*
3. 3.3*	5.3*	8. 15.5*	25.0*
4. 4.3*	6.9*	R1. 2.2	3.5
5. 5.5	8.8	R2. 7.9	12.7

*3-4 & 7-8 are Synchronized

Model 5050 with 12-Speed Transmission

Same as Model 5050 Tractor With 8-Speed Transmission EXCEPT:	
Number of Speeds.....	12-Forward; 3-Reverse
Wheelbase.....	76.9" (1.95 m)
Overall Length.....	120.6" (3.1 m)
Approx. Shipping Weight—Lbs.....	4220 Lbs. (1918 kg)

Optional Equipment	
ROPS Frame with Canopy and Seat Belt (not for Orchard)	
Front Wheel Carrier	
Suitcase Front Weights—75 Lbs. (34 kg) Each (not for Orchard)	
Rear Wheel Weights—125 Lbs. (57 kg) Each	
48" (1219 mm) Rear Wheel Tread (not for Orchard)	
Low-Clearance Field-Installed Muffler Kit (not for Orchard)	
Remote Electrical Socket	
Work Lamp Kit	
Travel Speeds—MPH at Rated Engine RPM (2700) With 14.9-28 Rear Tires (not for Orchard)	

8-Speed					
MPH	km/h	MPH	km/h		
1. 1.5	2.4	6. 8.4	13.5	1st creeper .4 (0.6 km/h)	
2. 2.3	3.6	7. 12.4	19.8	2nd creeper .7 (1.2 km/h)	
3. 3.4	5.5	8. 16.1	25.9	3rd creeper 1.0 (1.8 km/h)	
4. 4.4	7.1	R1. 2.2	3.5	4th creeper 1.3 (2.3 km/h)	
5. 5.6	9.0	R2. 8.1	13.1	Reverse creeper 0.6 (1.0 km/h)	

*3-4 & 7-8 are Synchronized

*Manufacturer's estimated maximum observed PTO horsepower at rated engine speed. The information contained herein is general in nature and is not intended for specific application purposes. Allis-Chalmers reserves the right to make changes in specifications shown herein or add improvements at any time without notice or obligation.



3.00