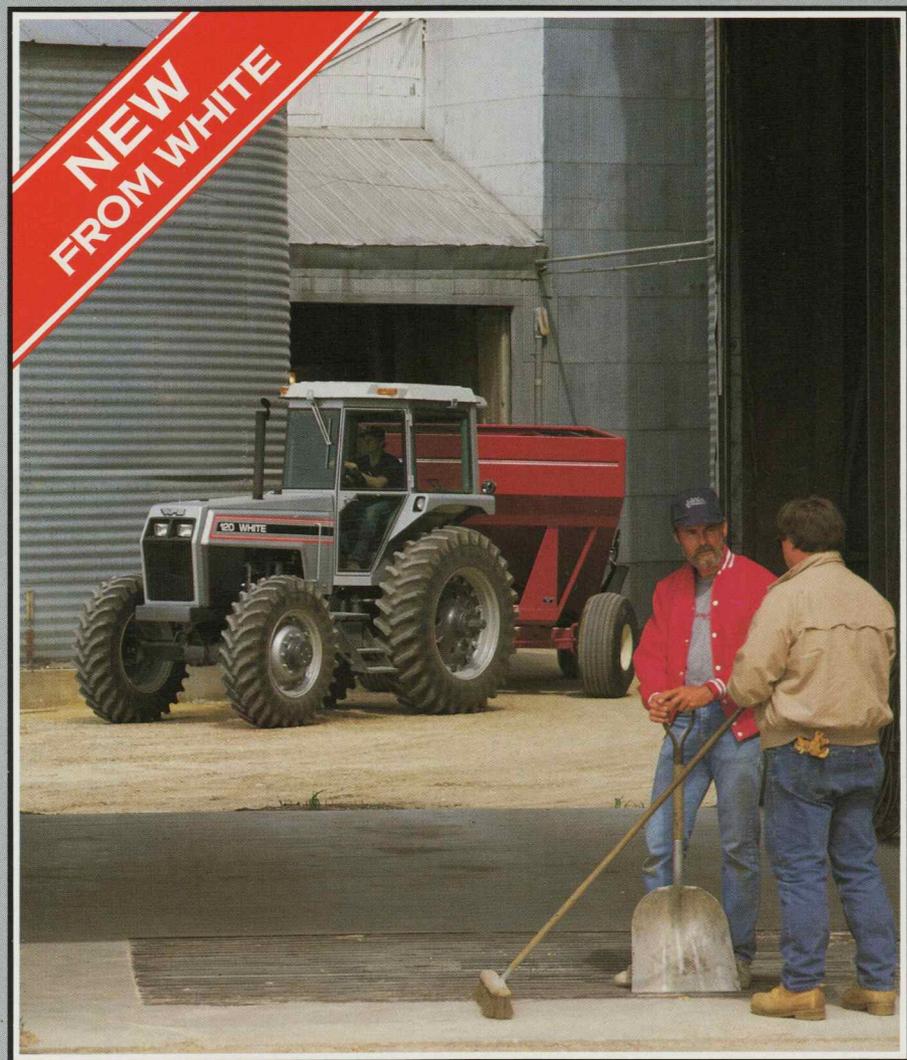


WHITE 120



Quality engineering means more power when you need it.

Examine the engine. Inspect the specs. Then climb in and feel the difference. You'll discover the new White 120 is engineered for a long life of top performance.

Quality engineering starts up front with an all-new, six-cylinder Cummins diesel, that will soon be recognized as a logging leader. At the rated speed of 2200 rpm, the turbocharged engine provides 118 pto horsepower.* And, as rpm drop under load, torque increases a full 27%.

The White 120 engine is also direct injected to provide immediate fuel savings and features a forged steel crankshaft and a skirted cast iron block with integral liners. Integral liners mean the cylinder bore tolerance is more precisely controlled so the engine uses less oil, produces power more efficiently and runs more hours to overhaul.

Quality engineering is also evident in White's new PosiTrac Full Power Front Axle (FPFA). This new axle, with limited slip differential, improves tractive force

by up to nine percent compared to tractors with no limited slip. And, a short turning radius improves maneuverability. The front wheels of the White 120 4WD can be turned at an angle up to 10 degrees greater than the wheels on competitive tractors. This new axle also provides better crop clearance than ever before.

The White 120 also features a new power hydraulic differential lock for improved field performance, and rugged planetary final drives. You also get super braking capabilities from our new, long-lasting wet disc brakes. The brakes are operated by hydraulic power, so only minimal pedal effort is required.

Climb in the cab and you'll discover our new FieldFacts information system. It offers more functions than any other on board computer, including engine rpm, pto rpm, engine hours, plus ground speed,** wheel slip** and field area covered.**

Better engineering means better performance, and that's what you'll discover when you try the new White 120.

*Manufacturer's rating
**With optional radar



120 WHITE



A newly designed, fuel efficient Cummins engine produces a 27% torque rise under load.



Select from eighteen forward speeds, nine in the working range of 2 to 7 mph with White's exclusive 3x6 transmission.



The innovative, high clearance PosiTrac FPFA adapts to different row spacings and has a short, 13.1 feet turning radius.



The massive drive train features planetary final drives, wet disc brakes and engage on-the-go differential lock.

White 120 Specifications

Two- and four-wheel drive models

Engine

All-new Cummins diesel
In-line six cylinder
Direct fuel injection
Turbocharged
118 pto horsepower*
359 cubic inch displacement (5.88L)
4.02 in. bore x 4.72 in. stroke
18.5:1 compression ratio
2200 rpm rated speed
Full flow oil filter
Full pressure lubrication system with gerotor pump
Aspirated precleaner with two stage, replaceable
twin element air cleaner
Pressure cooling system with centrifugal
pump and thermostatic control
Under-the-hood muffler with exhaust pipe

Drive Train

14 in. cerametallic button clutch
3x6 transmission with 18 forward and six reverse
speeds

Main Transmission

- Constant-mesh helical gears
- Pressure lubricated
- One shift lever, gated pattern
- Six forward speeds, two reverse

Powershift Transmission

- Three range shift-on-the-go
- Single lever, three position control

Hydraulically controlled differential lock that can be
engaged under load

Planetary final drives

Large 3 $\frac{3}{8}$ -in. diameter axle

Brakes

Power hydraulic wet disc brakes
Positive inter-lock parking lock

Power Take-Off

Independent 540/1000 rpm

Hydraulically actuated

Modulated wet, multi-disc clutch

Hydraulics

Pressure compensated, charged closed center system

Constant pressure, full-time power

2250 psi operating pressure

22 gpm main pump with 30 gpm charge capacity

Cab adjustable flow of one remote, others optional

Two combination float/detent remote valves with
lever couplers

Three-Point Hitch

Category III or II

Draft and position control

Adjustable lowering speed

Extendable lower links

Electrical

12-volt starter system
Two 12-volt low maintenance batteries
62 amp alternator
Two sealed beam halogen headlights with dimmer
Two front halogen flood lights
Two rear halogen flood lights
Two tail lights
Four amber flashing lights with turn signals

Instrumentation

Voltmeter
Fuel gauge
Coolant temp gauge
Engine oil pressure gauge
Fieldfacts information center gives constant LCD
analog display of engine rpm plus digital readout of:

Engine rpm

Pto rpm

Hour meter

Ground speed**

Wheel slip***

Field area***

Warning lights with alarm buzzer:

Engine oil pressure, Engine Coolant temp,

Transmission lube pressure

Warning lights:

Engine air restriction, Powershift temp, Powershift

clutch pressure, Hydraulic fluid temp

Modular Cab

Castle gray interior

Integral R.O.P.S. frame

Air conditioner

Heater

Pressurized with self-cleaning filter

Hand and foot throttle controls

Adjustable suspension arm rest seat

Tilt, telescoping steering wheel

Non-glare dash

Tinted windows

Single windshield wiper

Deluxe sound deadened interior, padded upholstery

Capacities

Main fuel tank—25 gallons (95.0L, 20 Imp gallons)

Side fuel tank—33 gallons (125.0L, 27 Imp gallons)

Cooling system—21qt (19.9L)

Crankcase with filter—17.3qt (16.4L)

3x6 O/U transmission—3.5qt (3.3L)

Transmission, final drive and hydraulics—23 gallons

(81.7L, 19.2 Imp gallons)

Options

AeroForm air cushion seat with rocker action

Radar for Fieldfacts info system

PosiTrac Full Power Front Axle (FPFA)

Heavy duty wide-swinging drawbar

Dual rear wheels and tires

Radial rear tires

One additional remote valve

Satchel type front weights

Rear wheel weights

Ash tray with lighter

Dimensions

| | Standard In. (M) | FPFA In. (M) |
|---|-----------------------|--------------------------|
| Ground Clearance | | |
| Under Front | 26.25 (.67) | 22.25 (.57) |
| Under Rear Axle | 27.75 (.70) | 27.75 (.70) |
| Carrier | | |
| Overall Height | | |
| Highest Point | 117.25 (2.98) | 118.25 (3.00) |
| Overall Width | | |
| (Minimum) | | |
| Short Axle | 96 (2.44) | 96 (2.44) |
| Long Axle | 115 (2.92) | 115 (2.92) |
| Overall Length | 174 (4.41) | 173.25 (4.40) |
| Wheelbase | 111.5 (2.83) | 99 (2.50) |
| Wheel Treads | | |
| Front | 62-86 (1.57-2.18) | 65.5-87.5 (1.66-2.22) |
| Rear | | |
| Short Axles | 60-106 (1.52-2.69) | 65-106 (1.65-2.69) |
| Long Axles | 60-126 (1.52-3.20) | 65-126 (1.65-3.20) |
| Turning Radius (with brakes) | 141 (3.58) | |
| FPFA Disengaged | | 153 (3.88) |
| FPFA Engaged | | 157 (3.99) |
| Shipping Weight (Approximate) (with Three-Point Hitch, pto, Cab and Air Conditioning) | 12250 (5512 kg) | 13350 (6007 kg) |

Travel Speeds

At rated rpm and with standard 18.4-38
tires

| Gear | Under Drive | | Direct Drive | | Over Drive | |
|------|-------------|------|--------------|------|------------|------|
| | MPH | K/H | MPH | K/H | MPH | K/H |
| 1 | 1.6 | 2.6 | 1.9 | 3.0 | 2.3 | 3.7 |
| 2 | 3.0 | 4.8 | 3.7 | 5.9 | 4.4 | 7.0 |
| 3 | 3.9 | 6.2 | 4.7 | 7.5 | 5.7 | 9.1 |
| 4 | 5.3 | 8.5 | 6.4 | 10.2 | 7.7 | 12.3 |
| 5 | 7.4 | 11.8 | 9.0 | 14.4 | 10.8 | 17.3 |
| 6 | 13.1 | 21.0 | 15.8 | 25.3 | 18.9 | 30.2 |
| R1 | 1.9 | 3.0 | 2.3 | 3.7 | 2.8 | 4.5 |
| R2 | 4.8 | 7.7 | 5.7 | 9.1 | 6.9 | 11.0 |

* Manufacturer's rating
** true ground speed with optional radar
*** with optional radar

Manufacturer reserves the right to change design
and/or specifications without notice or obligation.

WHITE-NEW IDEA FARM EQUIPMENT COMPANY

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Division of ALLIED PRODUCTS CORPORATION

