

# Marketing Information

John Deere Company

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Factory: John Deere Horicon Works



## NEW 316 TRACTOR FOR 1984

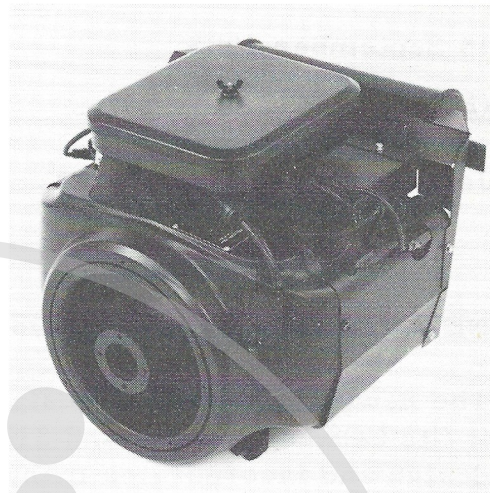
The new 316 Tractor is designed for the homeowner. In features and price, it fits between the 314 and 318 Tractors. It provides the latest in tractor design and incorporates many comfort, convenience, and performance features which make it a pleasure to operate. The 316 Tractor fills the homeowner's need for a high quality Lawn and Garden Tractor equipped with features comparable to or better than other tractors selling in that market.



The 316 Tractor will be used primarily for mowing. The customer will have a choice of the 46-Inch Mid-Mount Mower, the new 50-Inch Mid-Mount, or the 50-Inch 3-Point Hitch Mount Rotary Mower. Front Blade, Snow Thrower, Rotary Tiller, Material Collection Systems, and many other attachments provide added versatility and more reasons to purchase a 316 Tractor.

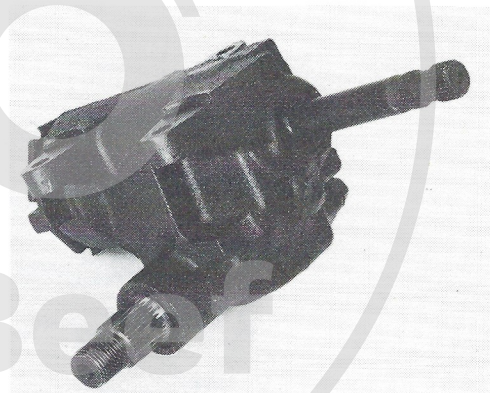
## 16 Horsepower Engine

The 316 Tractor is powered by a 16-horsepower twin-cylinder Onan engine which is similar to the engine used in the 318 Tractor. In fact, over 95% of the service parts are the same as used for the 318 engine. The 16-horsepower engine has plenty of power to operate a variety of attachments and the features to provide years of reliable performance.



## New Steering System

A new, efficient manual steering system combined with a tight 26-inch turning radius (measured inside the rear tire) provides easy handling and excellent maneuverability. The steering gear is a Saginaw manufactured automotive unit which efficiently transmits power for minimum steering effort. It features a durable cast iron housing, permanent lubrication, and ball and needle bearings to provide long life and smooth operation.



Feature Comparison

<u>Feature</u>	<u>314</u>	<u>316</u>	<u>318</u>
Engine .....	1-Cyl. Kohler	2-Cyl. Onan	2-Cyl. Onan
Horsepower .....	14	16	18
Differential Axle .....	Dana	Peerless	Peerless
Frame Members .....	Welded plate	One-piece	One-piece
Larger, Crisp-Styled			
Fender Deck .....	No	Yes	Yes
Deluxe Seat .....	No	Yes	Yes
Brake Drum Diameter .....	6-Inch	7-Inch	7-Inch
Headlights .....	Regular	Wrap-around	Wrap-around
Interlock Control Module ....	No	Yes	Yes
Neutral Return .....	No	Yes	Yes
2000 rpm Rear PTO .....	Not available	Accessory	Accessory
3-Point Hitch .....	Accessory	Accessory	Accessory
Rear Warning .....	Reflectors	Reflectors	Taillights
Engine Oil Filter .....	No	No	Yes
Transmission Oil Cooling ...	Cooling loop	Cooling loop	Radiator
Steering .....	Manual, Ross	Manual, Saginaw	Power, Hydrostatic
Brake Pedals .....	Single	Single	Dual
Hydraulic Control .....	Single function	Single function	Dual function
Front Hydraulic Outlets .....	One set	One set	Two sets
Fuel Reserve System .....	No	No	Yes
Hourmeter .....	Accessory	Accessory	Accessory

Attachments

Attachments recommended for the 316 Tractor include the following:

- 46-Inch Mid-Mount Mower
- 50-Inch Mid-Mount Mower
- Tilt Dump Material Collection System
- Hydraulic Dump Material Collection System
- 50-Inch 3-Point Hitch Mower
- 54-Inch Front Blade, Model 54
- 46-Inch Single Stage Snowthrower, Model 49
- 30-Inch Hydraulic Drive Rotary Tiller and 12-Inch Extension Accessory

## Specifications

### Engine:

Manufacturer .....	Onan
Model Number .....	B43E
Horsepower (kW).....	16 (11.8)
Number of Cylinders .....	2
Crankshaft Alignment.....	Horizontal
Stroke Cycle .....	Four
Speed (Fast) No Load .....	3450
Speed (Idle).....	1000
Ignition .....	Battery
Starting System .....	Electric, 12 Volts
Air Filter .....	Dry Element with Pre-Cleaner
Oil Filter .....	Not Available
Crankcase Capacity, Quarts (L).....	1.7 (1.6)

### Electrical System:

Charging System .....	Flywheel Alternator, 15 amp.
Battery Type .....	Lead-Acid SAE 22F-260
Voltage .....	12
Minutes of Reserve Capacity at 25 amps .....	50
Cold Cranking amps at 0° (17.7 c) amps .....	260

### Fuel System:

Fuel Tank Location .....	Rear
Fuel Tank Capacity, U.S. Gallons (L) .	4.5 (17.0)
Type and Minimum Octane .....	Regular or Unleaded; 86 Octane
Fuel Filter, Location .....	Yes, Fuel Tank
Fuel Shutoff .....	Yes
Carburetor Manufacturer, Type .....	Nikki, Fixed Jet
Fuel Pump Type .....	Pulse

### Drive Train:

Transmission Type.....	Hydrostatic
Number of Speeds, Forward/Reverse.	Infinite
Travel Speeds at Full Engine rpm:	
Forward .....	0.5 to 7.3 mph (0.8 to 11.75 km/h)
Reverse .....	0.5 to 3.7 mph (0.8 to 5.9 km/h)

### Differential Axle and Transmission

Capacity, Quarts (L) .....	15 (12.5)
Transmission Filter.....	Replaceable

### Chassis Dimensions:

Wheelbase, Inches (m) .....	46 (1.1)
Overall Width (Maximum), Inches (m) .	43.3 (1.10)
Overall Width (Minimum), Inches (m) .	41.0 (1.04)
Overall Length, Inches (m) .....	69.5 (1.77)
Overall Height, Inches (m) .....	44.5 (1.13)
Turning Radius, Inside Rear Wheel, Inches (cm).....	26 (66)

Wheel Tread:

Front, Inches (cm) ..... 32 (81.3)  
Rear, Inches (cm) ..... 30.6 (77.6) In; 32.8 (83.4) Out

Tires:

Type - Front ..... Turf  
Type - Rear ..... Turf or Bar  
Size - Front ..... 16 x 6.50-8 2PR  
Size - Rear ..... 23 x 20.50-12 2PR

Brakes:

Location, Type ..... Rear Wheels, Shoe, One Pedal  
Parking ..... Yes  
Seat Springs ..... 2 Leaf  
Headlights ..... Yes  
Steering ..... Manual  
PTO Clutch ..... Electric  
Lift Type ..... One Spool Hydraulic

Availability

The 316 Tractor will be available in October 1983.



MmrBeef

## 316 LAWN AND GARDEN TRACTOR

This is ordering information in price page format. Add this information to the appropriate section of your Consumer Products Price List. Destroy upon receipt of Price Information or new price page(s).

### Standard Equipment

Onan Twin Cylinder 4-Cycle Air Cooled Enclosed Engine - 16 hp • 12-Volt Electric Start • 16 x 6.50-8 In. Front Tires • 23 x 10.50-12 In. Rear Tires • Hydrostatic Drive • 4.5 U.S. Gallons Fuel Capacity • Single Function Hydraulic Lift • Right Front Hydraulic Outlets • Lights • Enclosed Manual Steering • Seat/PTO Switch • 830 Lbs. Approximate Weight

Code	Description	Shipping Weight
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One Code Required From Each Box

### BASE MACHINE

1031M	316 Tractor - GT5 Turf Tires	890
1033M	316 Tractor - GT8 Bar Tires	890

### ACCESSORIES

The 316 Tractor uses the same accessories as currently available for the 318 Tractor.