

SATOH **BUCK**



Buck's a giant in the field of compact Diesel tractors. Small enough for easy maneuverability, large enough to handle the really tough chores. Smoothly. Quietly. And efficiently. With features that go far beyond its 18.5 Diesel hp size.

- 3-cylinder water-cooled Diesel engine
- Choice of 2-wheel or 4-wheel drive
- Six forward speeds—two reverse
- Three-step PTO—544, 802 and 1,314 rpm
 - Category 1 3-point linkage
- Satoh live hydraulics with flow control
 - Most modern tractor in its class

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Vertical exhaust and chassis weight optional.

FEATURES

Economy

Buck gives you more for your Diesel dollar. A large 51.81 cubic inch displacement. Low fuel consumption. High productivity. And economical operation and maintenance. Foul weather start-ups are no problem either because Buck needs no decompression device.

Maneuverability

Buck's 53-degree front steering axle lets you turn sharply in tight spots. And steering is easy, easy, easy.

Flexibility

Buck's three-step PTO speeds let you perform a greater variety of chores. A wide range of traveling speeds make Buck ideal for getting heavy-duty jobs done at low speeds or for working more efficiently at high speeds. The result: Buck's output extends far beyond its size.

Comfort

Buck's 3-cylinder engine guarantees smoother, quieter running with reduced vibration. The chassis is low to the ground for added stability. And a comfortable driver work station helps reduce operator fatigue.

Tires

Estate tires available on both 2-wheel or 4-wheel drive models.

Other Features

Hour meter, thermostat, foot throttle and over-running clutch are all standard features.

SPECIFICATIONS

(Model S470 & S470D)

ENGINE

3-cylinder, water-cooled, overhead-valve, swirl-chamber Diesel engine, 18.5 Hp/2600 rpm. (Max Bare Hp), displacement 51.81 cu.in. (849 cc), compression ratio 23:1.

ENGINE ACCESSORIES

Dry paper-element cyclone-type air cleaner, 12-volt electrical starter system, paper element cartridge type oil filter, foot throttle, thermostat.

CLUTCH

Dry single disc clutch.

TRANSMISSION

Selective sliding gear, 2-shift lever 6-forward 2-reverse, differential gear, differential lock.

TRAVELING SPEEDS

Min. speed 0.68 mil/h (1.09 km/h), max. speed 8.30 mil/h (13.37 km/h) for forward at 2600 engine rpm.

POWER TAKE OFF

Multi-speed PTO 1-3/8 in. 6-spline SAE standard PTO shaft, 544, 802, and 1314 rpm at 2600 engine rpm.

BRAKE

Water proof internal expansion drum-type with parking brake.

TIRES and TREAD

		Tire	Tread
2-WD AG	Front	4.50-10	28.3 in.(720mm)
	Rear	8-18	29.1 in.(740mm) and max. 35.0 in.(890mm)
	ES	20x8.00-10	31.3 in.(795mm)
4-WD AG	Front	5-12	30.9 in.(785mm)
	Rear	8-18	29.1 in.(740mm) and max. 35.0 in.(890mm)
	ES	6-12	31.5 in.(800mm)
	Rear	9.5-18	30.3 in.(770mm) and max. 33.9 in.(860mm)

STEERING

Worm and sector steering box for 2-WD
Ball screw steering box for 4-WD

SEAT

Deluxe form rubber seat.

HYDRAULIC SYSTEM

(Satoh live hydraulic system)

Capacity: linkage pump 3.5 gpm (13.2 l/min) at 2600 engine rpm.

Implement control: lift, hold, down, flow control and lift lock.

3-POINT LINKAGE

Category I or O linkage with check chain. 1100 lb (500 kg) category I and 1430 lb (650 kg) category O lifting capacity at lower link end.

DRAWBAR

Permanent drawbar.

DIMENSIONS

	2-WD AG Tire	4-WD AG Tire
Length	78.3 in.(1990 mm)	78.5 in.(1995 mm)
Width	36.9 in.(937 mm)	Same as 2-WD
Height	47.2 in.(1200 mm)	Same as 2-WD
Wheel base	50.4 in.(1280 mm)	51.2 in.(1300 mm)
Ground clearance	11.2 in.(285 mm)	9.3 in.(235 mm)
Weight	1157 lb(525 kg)	1268 lb(575 kg)

ELECTRICAL

12-volt 45 Ah battery.

CAPACITIES

Fuel tank	4 gal (15 l)
Engine oil	6 pt (3 l)
Transmission oil	3 gal, 1 qt (12 l)
4-WD front axle	5.5 pt (2.5 l)
Cooling water	5 qt (5 l)

STANDARD EQUIPMENTS

Thermostat
Pre-heat plug and indicator
Oil pressure indicator
Battery charge indicator
Water temperature indicator
Hour meter
Tachometer
Safety starter switch
Head lamps
Safety cover for fan belt
Foot throttle
Differential lock
Horizontal exhaust with silencer
Fuel level gauge
Oil level gauge
Deluxe seat
Tool box and tool kit
Over-running clutch

OPTIONAL EQUIPMENTS

Front PTO
Front wheel weights for 2-WD AG only
Rear wheel weights for all models
Front chassis weight for all models
Vertical exhaust pipe
Hydraulic adapter plate
Working lamp
Flasher lamp
Radiator screen
Rotary tiller

* Specifications are subject to change without notice.

SATOH

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