

New Holland Automatic Bale Wagons

H9870 H9880 1037



Clear fields of bales fast

New Holland bale wagons pick up, haul and unload bales more efficiently than ever.

For over 40 years, New Holland bale wagons have transformed the back-breaking labor of moving and stacking bales into a job that's almost effortless. Now, New Holland makes this job faster and more comfortable than ever with the new H9800 Series self-propelled automatic bale wagons.

Built-in comfort and efficiency

The H9800 Series cab is designed to keep you comfortable and efficient during even the longest days. The swivel seat, side console and front instrument panel give you plenty of legroom and easier control. All machine functions are controlled with one, easy-to-use multi-function handle. The curved windshield

affords you a spectacular view. And the iso-mounted cab keeps things quiet, reducing operator fatigue.

More Power

Both the three-bale wide H9870 and the two-bale wide H9880 are powered by New Holland engines with efficient horsepower that allows you to spend longer hours in the field before needing fuel. They also go easy on the environment with low emissions.

Reliable for years of service

These new models continue the New Holland legacy of reliability. New Holland engineers used state-of-the-art Finite Element Analysis (FEA)

to evaluate and eliminate the stress points in the main frame to ensure that these bale wagons will serve many years of loading, hauling and stacking bales — even the big loads of large square bales. The cab platform is separated from the frame and mounted on isolators to protect it from twisting, vibration and noise. One-piece frame channels are made with thick, 3/8-inch steel for strength and durability. Structural tubing is used in place of formed channels for the cross members, adding strength and service life. And, the second table, load rack, rolling rack, and side supports are designed for strength and durability too.



A choice of models

New Holland offers one pull-type model and two new self-propelled bale wagons to match your needs. The H9880 easily loads 16 x18 two-tie bales and a variety of three-tie bales. The H9870 is designed for three-bale-wide stacks of 14x18 or 16x18 bales.

Available on both models is the MIL-STAK® conversion that allows you to handle large, rectangular 3'x3' and 3'x4' bales with your self-propelled New Holland bale wagon. No matter which model you choose, you'll unload tightly packed, even stacks of bales without manual labor.

Model	Bale Size	Engine	Length	Width
H9880	15 x 22 or 15 x 23 16 x 22 or 16 x 23 16 x 18	New Holland 6.7 L 173 hp	30'11"	9'4"
H9870	14 x 18 or 16 x 18	New Holland 6.7 L 173 hp	30'11"	9'4"
1037	14 x 18 or 16 x 18	Pull-Type (requires 50 hp tractor)	25'6"	11'11"



MIL-STAK® Specifications

Bale Wagon Model	H9870	H9880
3' x 3' bales per load	15	15
3' x 4' bales pre load	10	10
Stack bale high	5	5

(limited by maximum payload capacity)

* MIL-STAK is a registered trademark of MIL-STAK Inc.



Control and comfort

High-productivity cab makes you more efficient and comfortable.



Climb aboard a new self-propelled H9870 or H9880, and you'll find the cab holds little resemblance to models of old. New Holland has designed this cab to assure your comfort and efficiency the moment you step inside.



This warning light display tower provides information on key functions.

Stretch out

Sit in the swivel seat, and you have lots of legroom thanks to the design of the tilt steering column and right-hand control console. You can adjust the air-ride seat and tilting steering

wheel to fit you perfectly. Your comfort is enhanced further with complete climate control. With four overhead vents, as well as a recirculation mode, you can control the flow of air conditioning and heat to suit your liking. Shading at the top of the side windows helps keep you cool by cutting down on heat absorption.



Adjust the direction and flow from the overhead air conditioning and heater vents for maximum comfort.

Outstanding visibility

The curved windshield and large side and rear windows provide excellent all-around visibility. And, the high position of the cab provides for excellent visibility with reduced noise and vibration. Generous lighting to the



All machine functions are conveniently located on one multi-function handle.

front allows for excellent nighttime visibility so you can work as late as you need to. The lighting package includes dual headlamps featuring high and low beams, as well as two additional work lights at the top of the cab. The cab is also pre-wired for an additional optional work light at the rear of the cab.

Improved control

The multi-function handle allows you to control all machine functions with one convenient handle. The handle position adjusts up and down, fore and aft and rotates to put it in the perfect position for you. The transmission shift lever and two-speed range selector switch are positioned conveniently to your right.

Little extras make a difference

The front instrument panel includes little features that make a nice difference in your day, including the cup holders and shelving, as well as a 12-volt power socket for a cell phone or other accessories. An inside rearview mirror provides second table visibility. And, there's space on the floor for a cooler.



The best way to pick up hay

Efficiency-boosting features make your job easier.

The H9870 and H9880 self-propelled bale wagons make loading and unloading bales as easy as driving. You control everything electronically from the cab.

Easy control of stack patterns

A Stack Command™ control system with a large digital display is easy to read and use. It includes a stack counter function and allows you to program and control how you want the bales stacked on the table. Choose from a wide selection of pre-programmed stack patterns, as well as space for custom programs that you create. A “favorites” stack pattern function allows you to scroll through only those patterns you use the most, making stack selection quicker and easier. As bales are added to the load, the digital readout lets you monitor bale loading.



The Stack Command™ control system provides up to 35 pre-programmed stack patterns as well as room for 20 custom patterns that you can program.

Optional flow control

If you deal with bales that vary greatly in weight, choose the optional first table and/or auxiliary first table flow control valves. They allow you to adjust the delivery speed to match bale conditions.

Handle large bales, too

A new, heavy-duty, front axle allows the H9870 and H9880 to accept the payload capacity requirements of the MIL-STAK® large bale handling attachment. This gives you the added versatility of handling large 3'x3' or 3'x4' rectangular bales. The MIL-STAK attachment can be removed easily so you can switch back to picking up small square bales in no time.

Unload and go

When you're ready to unload, the multi-function handle lets you operate the load rack, rolling rack and

push-off feet. The load rack has two raise speeds putting precise control at your fingertips. The rolling rack allows you to stack partial loads when necessary.

Five-speed versatility

A five-speed automatic transmission with lock-up torque converter provides excellent speed matching ability. First gear provides a slower ground speed for increased productivity in high-density crops, while the overdrive in fifth gear provides for a fast 50 mph road speed.

Dual hydraulic systems

Two hydraulic systems with three pumps provide plenty of flow where it's needed. A 6.7 gpm (gallons per minute) gear pump provides flow for the power steering and brake booster. The bale loader and cross conveyor are supplied by a 13.8 gpm gear pump. And a 29.0 gpm piston pump



After you select or create a stack pattern that fits your needs, the bales are configured automatically.

provides flow for the closed-center system, which operates functions that require higher flow. Hydraulics also drive the cooling fan. If fine dust and chaff are a big problem for you, the optional cooling fan reverser automatically reverses the fan after each load to help blow dirt out of the radiator and intercooler and remove chaff from the radiator screen.

Easier servicing

Two hydraulic valve manifolds—one for the gear pumps and one for the piston pump—provide easy servicing. Four-piston rear disc brakes

provide smooth braking performance and easy servicing compared to drum brakes. A sight gauge on the hydraulic tank takes only a glance to monitor the oil level.



Labor saver

The 1037 lets you pick up and stack bales from the comfort of your tractor.

Put a New Holland 1037 pull-type bale wagon behind your tractor and you have a bale-stacking master that's ready for action. You can pick up, load and stack bales without moving from your tractor seat.

Four tons per load

The Model 1037 handles three-bale-wide loads and 14" x 18" or 16" x 18" bales—about four tons per load. Mechanically controlled tier formation makes a perfect stack every time. The

rolling rack allows you to stack full or partial loads.

Simple controls

The Model 1037 is simple to use. Just hook up to your tractor's PTO, engage it and drive. The controls for bale pick up, loading and stacking are within easy reach. An optional remote control kit lets you put the controls right on your tractor. The open load-rack floor provides extra visibility when stacking.



The Model 1037 handles about four tons per load – 104 14" x 18" bales or 83 16" x 18" bales.





Specifications

Use the chart below to match your preferred bale size with the hauling capacity that you require.

Model Number		Pull-type 1037Self-Propelled..... H9870H9880	
Average Tons Per Load		4	6	5
Bale Size	Avg. Bale Weight, Alfalfa	Bales per load	Bales per load	Bales per load
14 x 18 x 36	55-60 lbs.	104	161	*
14 x 18 x 38	60-75 lbs.	104	161	*
14 x 18 x 41	70-75 lbs.	104	161	*
15 x 22 x 46	90-130 lbs.	*	*	84
15 x 23 x 46	115-135 lbs.	*	*	84
16 x 18 x 36	70-75 lbs.	83	161	*
16 x 18 x 38	75-80 lbs.	83	161	*
16 x 18 x 41	85-90 lbs.	83	161	*
16 x 18 x 46	95-100 lbs.	*	*	107
16 x 23 x 46	125-145 lbs.	*	*	74
16 x 22 x 46	120-140 lbs.	*	*	74

*not applicable to this unit.

Model Number	1037	H9870	H9880
Type	Pull-type	Self-Propelled	Self-Propelled
Weight (empty), lbs. (kg)	5,410 (2454)	16,130 (7316)	15,640 (7094)
Length, ft (cm)	25' 6" (777)	31' 3" (853)	31' 3" (853)
Width, minimum ft (cm)	*	9' 11" (302)	9' 4" (285)
Loader raised, max., ft (cm)	10' 2" (310)	11' 4" (345)	10' 7" (322)
Loader lowered, ft (cm)	14' 3" (433)	13' 8" (417)	12' 2" (371)
Height, ft (cm)	11' 11" (363)	14' 8" (477)	14' 8" (477)
Wheel tread width, ft (cm)			
Front	*	80-1/8" (204)	80-1/8" (204)
Rear	6' (183)	69-1/2" (177)	69-1/2" (177)
Ground clearance, in (cm)	13" (33)	*	*
Front axle	*	9-5/8" (24)	9-5/8" (24)
Transmission	*	13-1/8" (33)	13-1/8" (33)
Wheelbase, ft (cm)	*	14' 8" (447)	14' 8" (447)
Overhead clearance (for stacking), ft (cm)			
16" x 18" bale	13' (396)	17' 6" (533)	17' 6" (533)
14" x 18" bale	14' (427)	16' 10" (513)	17' 6" (533)
15" x 22" bale	*	17' 6" (533)	17' 6" (533)
16" x 23" bale	*	*	17' 6" (533)
Tires			
Front	*	400/55-22.5	400/55-22.5
Rear	11.00L x 15	500/45-22.5	40 x 19-19.5
Tractor power requirements, (min)	50 hp	*	*
Front disc brakes	*	15" (38)	15" (38)
Rear disc brakes	*	15-3/8" (39)	15-3/8" (39)
Engine	*	6.7L New Holland	6.7L New Holland
Horsepower, HP (kW)	*	173 (129)	173 (129)
Alternator	*	120 amp	120 amp
Fuel tank, gal (L)	*	74 (280)	74 (280)

Model Number	1037	H9870	H9880
Operating speeds, mph (kph)			
Loading	*	10 (16)	10 (16)
Hauling (on approved grounds)	*	30 (48)	30 (48)
Hydraulic pumps	10.5 gpm (39.7 Lpm)	Piston pump 29 gpm (110 Lpm) @ 2450 rpm (2050 psi)	Piston pump 29 gpm (110 Lpm) @ 2450 rpm (2050 psi)
		Gear pump 6.7 gpm (25 Lpm) @ 2450 rpm	Gear pump 6.7 gpm (25 Lpm) @ 2450 rpm
		Gear pump 13.8 gpm (52 Lpm) @ 2450 rpm	Gear pump 13.8 gpm (52 Lpm) @ 2450 rpm
Hydraulic valves	Manual spool valve	Electro-hydraulic Two manifold valve assemblies	Electro-hydraulic Two manifold valve assemblies
Bale length, in (cm)			
Minimum	34 (86)	36 (91)	44 (118)
Maximum	42 (106)	41 (104)	48 (122)
Stack size, in (cm)			
16 x 18, height	7 tiers	162 (411)	162 (411)
16 x 18, width	3 bales	120 (305)	92 (234)
14 x 18, height	7 tiers	162 (411)	*
14 x 18, width	3 bales	114 (290)	*
16 x 23, height	*	*	151 (384)
16 x 23, width	*	*	92 (234)
15 x 22, height	*	*	157 (399)
15 x 22, width	*	*	92 (234)
Automatic tie tier	*	Standard	Standard
Max. hillside angle	10°	*	*

Options

- Hillside hauling kit
- Tractor-mounted remote controls
- Tier counter

- Heater
- Weight box
- Wiper kit
- Radio
- Fan reverser
- First table flow control valve
- Auxiliary mirror
- Rear worklight
- Brake pedal kit

- Heater
- Weight box
- Wiper kit
- Radio
- Fan reverser
- First table flow control valve
- Auxiliary table flow control valve
- 16 x 18 bale kit
- Auxiliary mirror
- Rear worklight
- Brake pedal kit

*not applicable to this unit.



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Safety begins with a thorough understanding of the equipment. Always make sure you and your operators read the Operator's Manual before using the equipment. Pay close attention to all safety and operating decals and never operate machinery without all shields, protective devices and structures in place.

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