

STACKCRUISER® SELF-PROPELLED BALE WAGONS

102 | 103 | 105



Consistent stacks of tightly packed bales without breaking a sweat.

A long and proud heritage

With more than 60 years of leadership in automated bale handling, New Holland introduces three new Stackcruiser® models, including one dedicated exclusively to handling large square bales. No matter which model you choose, you'll unload tight, even stacks of bales without manual labor.



More power, more traction

A Tier 4 Final engine delivers an increased 190 horsepower and saves fuel using ECOBlue™ engine technology. Increased hydraulic capacity means more operational efficiency and productivity in the field. Stackcruiser bale wagons keep you moving in difficult conditions with the increased traction provided by rear differential lock.

Small bales, large bales or both — a New Holland exclusive

Only New Holland bale wagons offer the versatility to handle such a wide variety of bale sizes — small square bales, large square bales, or BOTH. The **Stackcruiser 102** creates stacks three bales wide, handling 14" x 18" or 16" x 18" bales, while the **Stackcruiser 103** handles 16" x 18" two-tie bales and a variety of three-tie bales. Both models can handle large square bales too. Simply add the Mil-Stak® clamp to work with bales produced by large square balers, including New Holland BigBalers, and you can switch back to small bales quickly when needed. The **Stackcruiser 105** is the best solution for dedicated handling of large square bales since it omits components needed to handle small square bales, saving you money. All StackCruiser models are factory-ready to accept the Mil-Stak large square bale clamp.



ECOBlue™

More convenience too

The New Holland cab keeps you comfortable and efficient even on the longest days. LED work lights provide improved visibility during nighttime operation. The new Stack Command™ II system provides a wide selection of pre-programmed and customizable bale stacking patterns. Operation and programming are completely intuitive to take the stress out of your day.



MIL-STAK SPECIFICATIONS

Bale Wagon Model	102	103	105
3' x 3' bales per load	15	15	15
3' x 4' bales per load	10	10	10
Stack bale high	5	5	5

(limited by maximum payload capacity)

* Mil-Stak is a registered trademark of Mil-Stak Inc.

Bale Type	Stackcruiser® Model	Bale Size	Engine	Length	Width
Small or Large Square Bales	102	14" x 18" or 16" x 18" (Add Mil-Stak clamp for 3' x 3' or 3' x 4')	New Holland 6.7 L 190 hp	30'11"	9'4"
Small or Large Square Bales	103	15" x 22", 15" x 23", 16" x 22", 16" x 23", 16" x 18" (Add Mil-Stak clamp for 3' x 3' or 3' x 4')	New Holland 6.7 L 190 hp	30'11"	9'4"
Large Square Bales Only	105	3' x 3' or 3' x 4' (Factory ready for Mil-Stak clamp)	New Holland 6.7 L 190 hp	30'11"	9'4"

NOTE: The Stackcruiser 105 is not equipped with side stabilizer, small square bale loader or first table.

Smooth, efficient power for loading, hauling and stacking.

ECOBlue™ technology and power

At 190 horsepower, today's Stackcruiser® bale wagons deliver more power and efficiency than ever before. Not only can they work longer in the field before needing fuel, these new models feature engines that share the New Holland family ECOBlue™ clean air technology and meet Tier 4 Final low emissions standards to go easy on the environment.



Five speeds for easy loading and transport

In the field or on the road, the Stackcruiser 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 allows for fast 50-mph road transport.

The efficiency of multiple pumps

Two hydraulic systems with three pumps provide plenty of flow where it's needed when loading bales in the field. The efficiency of this system allows for faster cycle times, particularly when working with large square bales and the Mil-Stak clamp. A 7.0-gpm (gallons per minute) gear pump provides flow for the power steering, brake booster and the park brake. The hydraulic motors that operate the bale loader and cross conveyor are supplied by an 18.0-gpm gear pump. And a 31.5-gpm piston pump provides flow for the closed-center, load-sensing hydraulic system that provides flow to the cylinders that require higher flow.



Easy servicing

Two hydraulic valve manifolds — one for the gear pumps and one for the piston pump — provide easy servicing. A sight gauge on the hydraulic tank takes only a glance to monitor the oil level. A convenient service door provides easy access to the radiator and swing-out oil coolers. Four-piston rear disc brakes provide smooth braking performance and easy servicing compared to drum brakes.



Heavy-duty front axle expands versatility

A heavy-duty front axle allows all Stackcruiser bale wagons to accept the payload capacity requirements of the Mil-Stak large bale handling attachment. The Mil-Stak attachment can be removed easily so you can switch from handling large 3'x3' or 3'x4' rectangular bales back to picking up small square bales in no time.

Features to match your needs

First table and/or auxiliary first table flow control valves allow you to adjust bale delivery speed if you deal with bales that vary greatly in weight.

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.



Locking rear differential for traction when you need it

A new two-speed rear axle with automatic locking rear differential provides improved traction in slippery or uneven conditions — a clear advantage when working with heavy large bales. A rocker switch gives you control of the two-speed rear axle.

Stack bales with precision and ease.

Outstanding visibility, day or night

The high position of the cab and the large front, side and rear windows give you an excellent all-around view. The left-hand, external mirror provides good visibility when stacking and on the road, and the inside rearview mirror gives you a clear view to the second table. In addition, five LED work lights provide bright, clear light for improved visibility during night-time operation.





Convenient, single-handed control

The multi-function handle puts convenient operation of all bale handling operations in one central location. Put the handle in the perfect position for you. It adjusts up, down, fore, aft and rotates. When unloading bales, the multi-function puts you in control of the load rack, rolling rack and push-off feet. The load rack features two raise speeds, putting precise control at your fingertips. The rolling rack allows you to stack partial loads when necessary.



Easy control with Stack Command™ II

The new Stack Command™ II monitor provides up to 35 pre-programmed stack patterns as well as room for 20 custom patterns that you can program — all available to you at the touch of a button. The system is simple to use and provides grouped functions for intuitive operation. A "favorites" stack pattern function allows you to scroll through only those patterns you use the most, making stack selection quicker and easier. The digital readout conveniently displays current bale status and allows you to monitor the bale loading process.



Additional instruments keep you up to date

An updated, modernized front instrument cluster bears familiar New Holland family styling and allows you to monitor fuel and DEF level, gear selection, ground speed, load rack position and more, while the warning light display keeps you apprised of key machine functions.

Stretch out and get comfortable

Even long days of loading and unloading bales can be spent in maximum comfort in the quiet, iso-mounted Stackcruiser™ cab. Sit in the air-ride, adjustable swivel seat and you have lots of legroom thanks to the design of the tilt steering column and right-hand control console. Complete climate control further enhances your comfort with multiple air vents and simple adjustments to control the flow of air conditioning and optional heat to suit your liking. The HVAC condenser is now separate from the coolers for more effective operation and eliminating cab warm up when unloading stacked bales.



No one bales more hay than New Holland.

Commercial contractors and operators have made quality hay the New Holland way for generations. New Holland still sets the standard for creating dense, high-quality bales that are easier to handle, transport and feed.

BIGBALER PLUS LARGE SQUARE BALERS:

High-quality bales at faster speed

It's a competitive market and New Holland BigBalers make superior square, dense bales every time with no excuses. And with baling speeds up to 110 bales/hour, BigBalers get the job done more quickly — when the crop is ready.

Increased bale density

BigBaler Plus models from New Holland take baling to a new level of productivity and efficiency. The bale chamber is 31.5 inches longer than previous models, which results in bales that are up to 10% more dense. The longer chamber also provides for gentler bale drop for no twine popping in the heat of the day.

Designed for tough and changing conditions

The high-capacity MaxiSweep™ pickup conquers the toughest crops and increases feeding capacity. SmartFill™ directional indicators give you real-time feedback to make perfect bales every time. Since New Holland locates the bale flake formation indicators at the front of the precompression chamber, not at the plunger, you get industry-leading reactions to changing windrow conditions.

Proven knotter system — bale after bale

New Holland's reliable, accurate, double-tie knotter system maintains high density without stress on the knotter. The single-piece front shield glides open for easy service or cleaning.

Ideal chop length

For more tightly packed, heavier bales that allow for better fermentation and silage quality, choose a BigBaler with a CropCutter™ feeding system — the simple Packer Cutter (BigBaler 230/330 Plus) or the Rotor Cutter (BigBaler 330/340 Plus) for the widest range of chop lengths, including lengths as small as 1.5 inches.

Model	Bale Width	Bale Height	Bale Length
BigBaler 230 Plus	31.5"	27.6"	108"
BigBaler 330 Plus	31.5"	35.4"	108"
BigBaler 340 Plus	47.5"	35.4"	108"



BC5000 SMALL SQUARE BALERS:

Reliable, hard-working, crop-saving balers

More than eighty years after the introduction of the first successful automatic hay baler, New Holland still leads the way with the most rugged, high-capacity small square balers on the market. Livestock farmers and commercial baling operators alike put their trust in BC5000 Series square balers because they make consistently dense, well-shaped bales that are easy to handle. New Holland bales are the only choice for hand-feeding because they quickly separate into consistent flakes for easy measurement and feeding.

Leave no crop behind

Wide, SuperSweep™ pickups use multiple rows of curved teeth to save protein-rich leaves and gather all of the windrow. The large 283-square-inch feed opening (318-sq.-in. on BC5080) allows for maximum capacity.



Proven gear-driven knotters

Reliable twine knotters and wire twisters go thousands of bales without a miss. The BC5070 Hayliner® baler includes added features that provide commercial producers with even greater durability and performance.



Uniform feeding

The exclusive, award-winning New Holland rotary feeding system is a mechanically simple system that produces smooth, even crop flow through the baler. New Holland's smallest model, the BC5050, uses the proven FlowAction™ feeder with six gentle-action feeder tines. Both systems are chain driven for reliability, and are easy to service and adjust. Strong plunger strokes create dense, uniform bale flakes.

Model	Bale Size	Pickup Width	Feed Opening	Plunger Strokes/Min.	Tying
BC5050	14" x 18"	65"	283 sq. in.	79	Twine only
BC5060	14" x 18"	65"	283 sq. in.	93	Twine or wire
BC5070	14" x 18"	75"	283 sq. in.	93	HD twine or wire
BC5070 Hayliner®	14" x 18"	75"	283 sq. in.	93	HD twine only
BC5080	16" x 18"	75"	318 sq. in.	93	HD twine only

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

Model		Stackcruiser 102	Stackcruiser 103	Stackcruiser 105
Overall length				
	cm (in)	953 (375)	953 (375)	953 (375)
Overall width				
Loader raised, stabilizers off	cm (in)	302 (119)	276 (109)	295 (116) w/ BB loader
Loader raised, stabilizers at widest position	cm (in)	345 (136)	322 (127)	NA
Loader down, stabilizers at widest position	cm (in)	417 (164)	371 (146)	505 (199), w/bale clamp fully open, no stabilizers
Overall height	cm (in)	447 (176)	447 (176)	NA
Overall height to top of stabilizers	cm (in)	429 (169)	429 (169)	NA
Clearance needed to unload	cm (in)	w/ 36 cm x 46 cm (14 in x 18 in) bales: 513 (202) w/ 41 cm x 46 cm (16 in x 18 in) bales: 533 (210)	w/all bale sizes: 533 (210)	w/ 91 cm x 91 cm (3 ft x 3 ft) bales: 553 (218) w/ 91 cm x 122 cm (3 ft x 4 ft) bales: 571 (225)
Ground clearance				
Front axle	cm (in)	24 (9 5/8)	24 (9 5/8)	24 (9 5/8)
Rear axle	cm (in)	25 (10) @ diff. housing, 15 (6) at leaf spring U-bolts	25 (10) @ diff. housing, 15 (6) at leaf spring U-bolts	25 (10) @ diff. housing, 15 (6) at leaf spring U-bolts
Track width (center to center)				
Front axle	cm (in)	206 (80.25)	206 (80.25)	206 (80.25)
Rear axle	cm (in)	191 (75)	191 (75)	191 (75)
Wheelbase	cm (in)	447 (176)	447 (176)	447 (176)
Weight				
Total with fuel, oil, and coolant	kg (lbs)	8386 (18488)	8159 (17988)	7889 (17392) w/Mil-Stak attachment
Gross vehicle weight	kg (lbs)	14969 (33000)	14969 (33000)	14969 (33000)
Weight box (optional)	kg (lbs)	48 (106) empty; 275 (600) full	48 (106) empty; 275 (600) full	48 (106) empty; 275 (600) full
Engine				
Maximum power at rated speed	kW (hp)	142 (190)	142 (190)	142 (190)
Aspiration		Turbocharged & after cooled	Turbocharged & after cooled	Turbocharged & after cooled
Number of cylinders / displacement	l (cu. in.)	6 / 6.7 (408)	6 / 6.7 (408)	6 / 6.7 (408)
Transmission				
Type		Allison 2500 RDS (Rugged Duty Service), 5-speed automatic	Allison 2500 RDS (Rugged Duty Service), 5-speed automatic	Allison 2500 RDS (Rugged Duty Service), 5-speed automatic
Rear Axle				
Type		Dana Spicer 22065T, 2-speed w/ locking rear differential	Dana Spicer 22065T, 2-speed w/ locking rear differential	Dana Spicer 22065T, 2-speed w/ locking rear differential
Brakes				
Front		4x70 Quadratic (4 piston) disc brakes, 15 in / 38 cm	4x70 Quadratic (4 piston) disc brakes, 15 in / 38 cm	4x70 Quadratic (4 piston) disc brakes, 15 in / 38 cm
Rear		4x70 Quadratic (4 piston) disc brakes, 15-3/8 in / 39 cm	4x70 Quadratic (4 piston) disc brakes, 15-3/8 in / 39 cm	4x70 Quadratic (4 piston) disc brakes, 15-3/8 in / 39 cm
Hydraulic system				
Type		Dual: open center and closed center	Dual: open center and closed center	Dual: open center and closed center
Open center system				
Pump type/system served		Gear/Power steering, brake booster, park brake	Gear/Power steering, brake booster, park brake	Gear/Power steering, brake booster, park brake
Maximum flow	l/min (gpm)	26.5 (7.0)	26.5 (7.0)	26.5 (7.0)
Relief pressure bar	(psi)	159 (2300)	159 (2300)	159 (2300)
Pump type/system served		Gear/Hydraulic motors	Gear/Hydraulic motors	Gear/Mil-Stak loader
Maximum flow	l/min (gpm)	70 (18)	70 (18)	70 (18)
Relief pressure bar	(psi)	159(2300)	159(2300)	159(2300)

Model		Stackcruiser 102	Stackcruiser 103	Stackcruiser 105
Closed center system pump				
Pump type/system served		Load-sensing variable piston/cylinders	Load-sensing variable piston/cylinders	Load-sensing variable piston/cylinders
Maximum flow	l/min (gpm)	119 (31.5)	119 (31.5)	119 (31.5)
Relief pressure	bar (psi)	141 (2050)	141 (2050)	141 (2050)
Standby pressure	bar (psi)	12.4 (180)	12.4 (180)	12.4 (180)
Tire size				
Front		385/65R 22.5 Tubeless	385/65R 22.5 Tubeless	385/65R 22.5 Tubeless
Rear		445/50R 22.5 Tubeless	445/50R 22.5 Tubeless	445/50R 22.5 Tubeless
Bales				
Sizes capable - Height x Width x Length	cm (in)	35 x 46 x 91-104 (14 x 18 x 36-41) and 41 x 46 x 91-104 (16 x 18 x 36-41)	41 x 46 x 112-122 (16 x 18 x 44-48) 2-tie bales or 38 x 56 x 112-122 (15 x 22 x 44-48) or 38 x 58 x 112-122 (15 x 23 x 44-48) or 41 x 56 x 112-122 (16 x 22 x 44-48) or 41 x 58 x 112-122 (16 x 23 x 44-48) three-tie bales	91 cm x 91 cm x 244 (3 ft x 3 ft x 8 ft) or 91 cm x 122 cm x 244 (3 ft x 4 ft x 8 ft)
Optimum length of bale for best tie-tier		97 (38) [for 35 x 46 (14 x 18) bales] or 102 (40) [for 41 x 46 (16 x 18) bales]	117 (46) for all bale sizes	NA
Bale capacity				
36 cm x 46 cm x 91-104 cm (14 in x 18 in x 36-41 in)		161	NA	NA
41 cm x 46 cm x 91-104 cm (16 in x 18 in x 36-41 in)		161	NA	NA
41 cm x 46 cm x 112-122 cm (16 in x 18 in x 44-48 in)		NA	107	NA
3-Tie bales (all sizes) x 117 cm (46 in)		NA	82	NA
91 cm x 91 cm x 244 (3 ft x 3 ft x 8 ft)		15 (w/Mil-Stak attachment)	15 (w/Mil-Stak attachment)	15 (w/Mil-Stak attachment)
91 cm x 122 cm x 244 (3 ft x 4 ft x 8 ft)		10 (w/Mil-Stak attachment)	10 (w/Mil-Stak attachment)	10 (w/Mil-Stak attachment)
Bale weight				
36 cm x 46 cm x 91-104 cm (14 in x 18 in x 36-41 in)	kg (lbs)	23 - 34 (50 - 75)	NA	NA
41 cm x 46 cm x 91-104 cm (16 in x 18 in x 36-41 in)	kg (lbs)	32 - 41 (70 - 90)	NA	NA
41 cm x 46 cm x 112-122 cm (16 in x 18 in x 44-48 in)	kg (lbs)	NA	43 - 45 (95 - 100)	NA
3-Tie bales (all sizes) x 117 cm (46 in)	kg (lbs)	NA	41 - 66 (90 - 145)	NA
Maximum weight of load	kg (lbs)	6583 (14512)	6810 (15012)	7080 (15608)
Stack				
Maximum height	cm (in)	411 (162), w/41 cm x 46 cm (16 in x 18 in) bales	411 (162), w/41 cm x 46 cm (16 in x 18 in) bales, 384 (151) w/41 cm x 58 cm (16 in x 23 in) bales, 401 (158) w/38 cm x 56 cm (15 in x 22 in) bales	455 (179), w/91 cm x 91 cm (3 ft x 3 ft) bales, 488 (192), w/91 cm x 122 cm (3 ft x 4 ft) bales
Maximum width	cm (in)	213 x 312 (84 x 123) w/36 cm x 46 cm (14 in x 18 in) bales, 244 x 312 (96 x 123) w/41 cm x 46 cm (16 in x 18 in) bales	244 x 244 (96 x 96) w/41 cm x 46 cm (16 in x 18 in) bales, 244 x 244 (96 x 96) w/38 cm x 56 cm (15 in x 22 in) bales	183 x 244 (72 x 96) w/91 cm x 91 cm (3 ft x 3 ft) bales, 183 x 244 (72 x 96) w/91 cm x 122 cm (3 ft x 4 ft) bales
Capacities				
Fuel tank	l (gal)	261 (69)	261 (69)	261 (69)
DEF tank	l (gal)	47 (12.4)	47 (12.4)	47 (12.4)



VALUE, SERVICE AND SOLUTIONS

There's a certain way of thinking that comes from living on a farm. Farming takes equal parts brain and brawn. Not to mention thick skin, calloused hands and a fair share of know how. Seasoned farmers know it helps to have equipment that's built by farmers, sold by farmers and used by farmers.

Support at every step. When you place your confidence in New Holland agricultural equipment, you get the finest in local support. Your New Holland dealer understands the many challenges you face and stands behind you at every step with the equipment, parts, service and financial solutions to make your job easier. Look to New Holland for a complete selection of equipment, including a full line of tractors, hay & forage equipment, harvesting, crop production and material handling equipment.

Quality parts and service. Turn to your New Holland dealer after the sale for expert, factory-trained service and genuine New Holland-branded parts. Your dealer has the very latest service updates and training to ensure your equipment keeps working productively season after season.

Financing solutions. Your New Holland dealer can tell you about smart ways to turn your financial challenges into opportunities with a portfolio of innovative financial services available through CNH Industrial Capital, including customized financing, leasing, insurance and the purchasing convenience of a Commercial Revolving Account.

For reliable equipment, parts and service — or just honest advice on farming and finance — turn to New Holland and your trusted New Holland dealer. We know. We're farmers, too.



We are proud to support the FFA.

Learn more at www.newholland.com/na

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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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