

BRAUD OLIVE HARVESTER

9090X



New Braud 9090X olive harvester. Excellence reinvented.

The new Braud 9090X olive harvester is built around proven Braud design DNA to deliver superior harvesting quality and productivity for Super High Density (SHD) olive orchards. The Shaking Dynamic Control (SDC) shaking system with flexible rear rod fixation softly shakes and detaches olives. The Noria basket system is gentle but effective on trees and harvested crops. These proven Braud innovations are now designed around more efficient and easy-to-use solutions that make harvesting possible in all Super High Density olive orchards. The results are improved cleaning and performance, low cost of ownership and operating ease.

Productivity and harvest care

Because the harvest season is now shorter than ever, Braud 9090X olive models can be set up to work in different orchards in the minimum of time for maximum efficiency. The SDC shaking system and high-capacity cleaning system help you gently and efficiently harvest more of your Super High Density orchard. The integrated Intelligent Management System 2.0 with IntelliView™ IV touch screen monitor provides full access to all key harvester functions. New Automated Crop Setup (ACS) lets you record optimum harvesting settings and recall them later to achieve the ideal harvest.

Faster and easy machine preparation

Braud 9090X olive harvesters have been redesigned to minimize machine preparation and costs. The new Noria tension system and automatic transport lock help to reduce maintenance and preparation time. The 9090X now features a heavy-duty, high-horsepower hydrostatic transmission that provides up to 19 mph on-road speeds and faster field operations. The FPT Industrial common-rail engine features long 600-hour service intervals for less downtime.

Best-in-class comfort and safety

Step into the superb Braud 9090X olive harvester. It's designed to fit you perfectly. Note how the seat and the steering wheel adjust to suit you. The standard armrest, with integrated joystick, provides easy access to frequently used functions. Safe, quiet and comfortable, the cab complies with the stringent Code 4 European Machine Directive and can be now fitted with the unique Blue Cab™ 4 system, providing a twin filtration system that complies with both Category 2 and 4 of EN 15695-1 and -2. The Blue Cab™ 4 package also includes a twin-color heated and ventilated seat, LED working lights, an automatic air-conditioning system and an insulated cooler—all for ultimate comfort.

Fuel efficiency and multi-functionality

New FPT Industrial common-rail electronic engines deliver increased power and economy. With an output of 182 hp, these Tier 4B HI-eSCR, six-cylinder engines deliver more power and torque with best-in-class fuel efficiency. In addition, the new steering system delivers time-saving maneuverability—even in tight headlands—with minimum effort.





The most awarded brand in history.

1975: Braud 1020, one of the very first self-propelled grape harvesters rolled off the production line in 1975. This machine would revolutionize the face of grape harvesting.

1980: Gold medal at SIMA: The arrival of the **Braud 1014** with the revolutionary Noria basket conveying system raised the bar for harvesting quality.

1983: The **Braud 1214** introduced higher-capacity picking.

1984: Braud joins forces with Fiat Agri, which marked the dawn of a new era of innovation.

1989: The **Braud 2420 to 2720** Series, which featured the award-winning SDC shaking system, were major leaps forward in picking efficiency.

1994: The **Saphir Braud** SB high-capacity range represented an entirely new product segment for a world-class, big-capacity machine.

2001: The **SB 65**, the first extra-large vineyard and Super High Density olive harvester, featured the X-tendable width frame that adapted to the widest vineyard canopy as well as to Super High Density olive orchards.



1975

1980

1983

1989

1994

2001



A history of harvesting excellence

In 1975 Braud developed its first self-propelled grape harvester, changing the face of viticulture forever. Today, these state-of-the-art New Holland Braud machines are designed, developed and built by engineers that live, breathe and sleep wine and olives at the New Holland Braud Centre of Excellence in Coëx, France. This pioneering plant is at the forefront of sustainable production, with innovative programs aimed at reducing the environmental impact and carbon footprint of harvester manufacturing.

2003: Extra-large vineyards and Super High Density olive orchard can now select the **Braud VX680**. With its multi-function frame that could be coupled within 10 minutes, it was a step forward in mechanization. 24 SDC shakers demonstrated their true potential in grape and olive harvesting.

2007: Tier 3 engines were installed on the **Braud VX 7090**.

2011: Silver medal for the new **Braud VX7090 Olive**: The new Super High Density olive harvester maximized picking efficiency in terms of shaking and collection. Its patented high-efficiency picking unit featured 42 SDC shakers and an optional secondary unit that elevated picking productivity to a record 99% of fruit collected.

2012: **Braud 9090X** olive harvester: Featuring Tier 3 engines and an IMS system, it was the first stage of Intelligent Harvesting for Super High Density harvesters. This model became the benchmark for fast and efficient harvesting in Super High Density olive orchards.

2017: **15,000 Braud** harvesters built: The new **Braud 9090X** olive harvester featured the HI-eSCR Tier 4B FPT engine and the next-generation IMS 2.0 Intelligent picking system. Higher efficiency and easy operation reaffirmed Braud harvesting DNA.

2019: Gold medal award for Multipurpose on Demand.



2003

2007

2011

2012

2017

2019



MORE THAN 17,000 GRAPE AND OLIVE HARVESTERS SOLD IN OVER 40 COUNTRIES AND THE STORY CONTINUES...

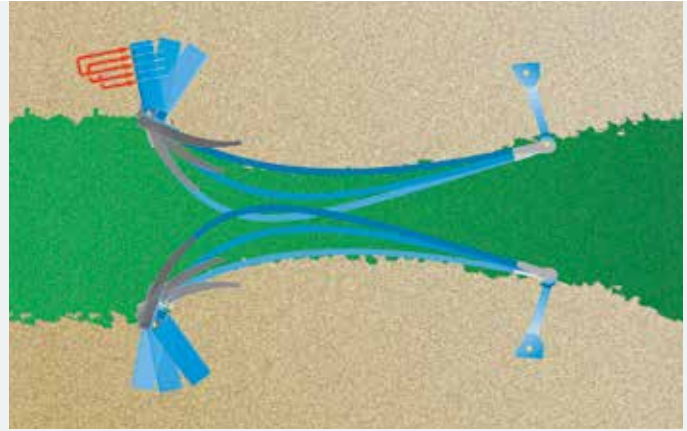
At the heart of Braud DNA.

The Braud 9090X olive harvester has been developed exclusively for picking Super High Density (SHD) olive orchards. The Shaking Dynamic Control (SDC) system with flexible rear rods, along with the Noria collection system, are at the heart of Braud DNA—always finding ways to improve shaking efficiency while respecting olive wood and fruit integrity and minimizing losses.



SDC shaking system

Braud SDC is the premier picking system. Each shaking rod is independent and hinged at the rear on a flexible fixation, which allows perfect control of the shaker action. Its maximum flexibility allows for gentle picking. The progressive entrance, efficient middle shaking area, and progressive divergent area increases shaking effectiveness while respecting the canopy. New Automated Crop Setup saves your preferred harvesting parameters into a folder, so you can recall optimum settings for each crop.



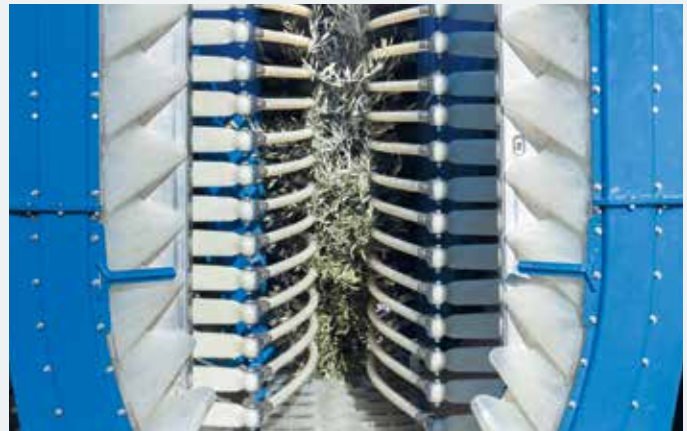
Olive equipment

The front tunnel enables progressive entry of the olive trees into the machine, while simultaneously helping to prepare the tree for harvesting and protecting the super-intensive olive orchard canopy. As the top part of the tree is flexible, it is prepared and gently bent for more effective shaking. The top eight SDC shakers are mounted slightly closer to the center for better efficiency on the top—and lighter—area of the tree. The result: benchmark picking efficiency from bottom to the top of the olive tree.



The most efficient shaking system

The shaking system features a maximum of 42 SDC shakers for picking efficiency and respect for the canopy. All parts that contact the canopy are either soft or curved in shape. The overall shaking height of 78 inches lets you detach olives at the top of the tree, resulting in 99.9% of olives harvested.



Great respect of the canopy

Each of the shakers is hinged at the back with a flexible rear rod. This system provides efficient and soft shaking with no maintenance. Respect for the canopy means very few branches are damaged by the shaking effect itself, resulting in long-term sustainability of your orchard.



Your olives, treated with care from the beginning.

Since 1980, the Noria basket system has been instrumental in the harvesting of every grape and olive by a Braud machine. Since then, we have been constantly improving and refining the system for higher speed and productivity. The Braud Noria system is the benchmark for olive harvesting.



Respect for olives is a design priority

The proven Noria system with its polyurethane baskets ensures total care of trees and fruit without ground losses. All new Braud 9090X olive harvesters feature extra capacity with 8 feet of sealed length and XXL-size baskets. The same basket catches the fruit and conveys it to the top of the harvester for top fruit quality without fruit maceration.



Best-in-class cleaning

The new high-capacity conveyor and top-cleaning fan system are specifically designed for cleaning olives. The cleaning conveyors are optimized for even crop distribution. The cleaning always occurs when the crop is in freefall for better effectiveness on lightweight material. All Braud 9090X harvesters are equipped with an 18-inch wide, high-capacity cleaning conveyor for improved crop conveying and cleaning.



High capacity

The cleaning fan is optimized to improve crop sample cleanliness. The redesigned fan exhaust directs air flow to the rear of the machine for less dust, noise, and residue accumulation. The result is higher-efficiency air flow for the cleaning system. The pipe directs the leaves directly to the ground in between the two rows without producing dust.



Easier maintenance—and less of it

Maintenance of the Braud 9090X range is now even easier. Advanced new components reduce ownership and maintenance costs. The new Noria tensioning system allows tool-free tensioning of both Noria sides with a simple crank handle that moves the rails up and down. A Noria pressure sensor detects and warns the operator of high-pressure conditions.



Hopper capacity

The hoppers have a lower center of gravity for improved machine stability and traction. The tilting height of the hoppers is now 11 feet. In addition, the hoppers can unload simultaneously to cut downtime. Total hopper capacity is over 1,000 gallons. Maximum capacity is achieved with high-capacity hydraulic augers that spread crop evenly but efficiently across the length of hoppers.



Non-stop harvesting with side conveyor

A right-hand side conveyor option for the harvesting head is available. Together with a 528-gallon buffer hopper on the left side, the conveyor maximizes continuous operation.

Powerful and fuel efficient.

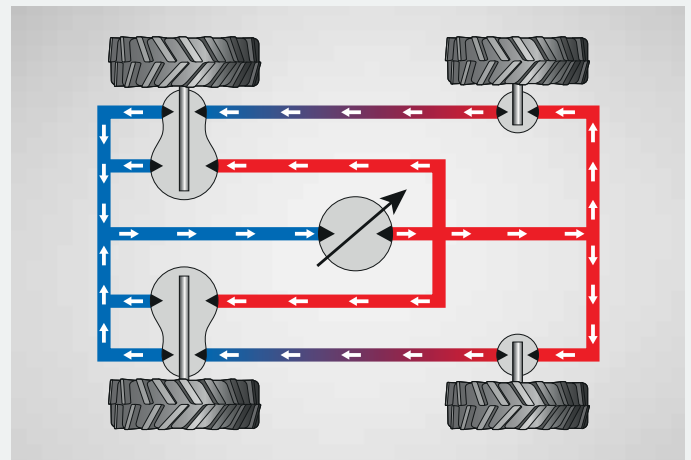


Sustainable Efficient Technology

The Braud 9090X olive harvester is powered by an ultra-efficient FPT Industrial six-cylinder engine. This Tier 4B HI-eSCR common rail electronic engine develops 182 horsepower. Combined with an anti-skid twin-lock transmission and IMS 2.0, power management is delivered with maximum fuel efficiency. FPT NEF engines provide no EGR valve solution, as engines breathing only fresh air deliver higher efficiency. As a result, engine power output is equivalent to a higher-horsepower competitive engine with EGR.

IMS 2.0 new-generation intelligent management system

Awarded a bronze medal at Sitevi 2017, the Braud Intelligent Management System 2.0 provides new levels of functionality. Together with the new IntelliView™ IV monitor, it continually monitors engine demands and terrain and hydrostatic loads, and then constantly adjusts engine rpm to keep harvesting parameters constant. The Braud 9090X olive harvester also features the benchmark twin-lock hydrostatic system that maintains the hydrostatic track from front to back wheel motors. As a result, the transmission continues to perform efficiently even in muddy conditions and on steep slopes.

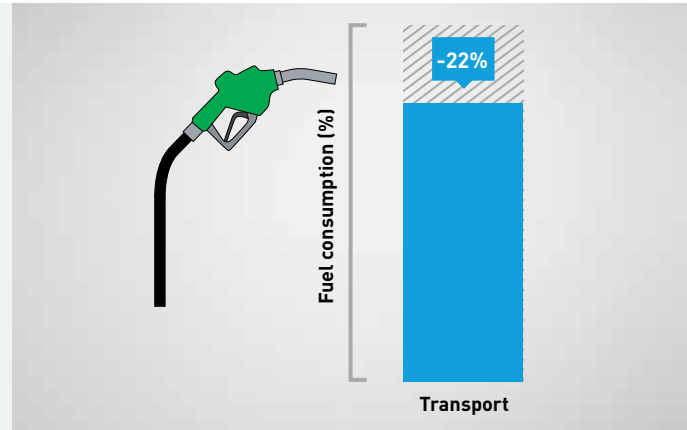


FPT
POWERTRAIN TECHNOLOGIES

Outstanding fuel efficiency

New Tier 4B HI-eSCR engines combined with the IMS 2.0 system offer outstanding fuel efficiency and economy. Pump and hydraulic displacement are increased for lower engine rpm. Hydraulic components maximize fuel efficiency and reliability in all work modes.

ECOBUE™ HI-eSCR



New heavy-duty 19mph hydrostatic transmission

The Braud 9090X olive harvester features a high-capacity, heavy-duty hydrostatic transmission. Based on the Poclain twin-lock system, this extra high-pressure and high-efficiency transmission provides maximum traction and uphill capability and up to a 19-mph road speed. The 9090X also features standard front-wheel hydraulic suspension for superior ride and comfort. New 23-inch rear tires and 15-1/2-inch front tires more effectively manage ground compaction in the most difficult harvesting conditions.



Automatic leveling and head lock system

IMS 2.0 automatically controls picking height and leveling. The operator simply sets the desired picking head height and it's maintained automatically, regardless of the terrain and up to 25% sidehill correction. Sensors, equipped as standard, prevent the picking head from ever contacting the ground in difficult conditions. Machine height is also maintained in road transport mode with auto leveling. An automatic swing-lock system prevents the head from swinging during transport, so there's no need to leave your seat when moving from field to road.



Greater maneuverability and faster headland turns

Tractor and harvesting heads have been designed for compactness. This is evident in the design of the rear of the machine, where the Noria basket does not extend beyond the rear tire, allowing earlier turns when exiting a row. Headland sequence can also be activated with a single command using the control handle, which lifts the machine to a preset headland height and stops the shakers. The same headland button turns on all functions when engaging the next row.



Harvest in first-class comfort.

Braud 9090X olive harvester cabs are recognized as the industry benchmark. The cabs are fully suspended and soundproofed for a smoother, more comfortable ride. Pressurized, heated and air-conditioned, the cabs are designed to offer optimum comfort and protection during harvest, spraying and other operations. In comparable conditions, noise levels have been reduced by 3dB(A) compared to the previous harvester range, resulting in the quietest and the most comfortable cab in the market.

The comfort benchmark

The cab structure and frame of Braud 9090X olive harvesters is designed to meet Code 4 of the new European Machinery Directive 2006/42/CE, the most stringent standard applicable. A seat belt, safety glass hammer and operator presence sensor are standard equipment. Attention to detail is evident in the wide Braud lateral console featuring two USB plugs, which are ideal for charging your cell phone and keeping it at the ready, as well as in the redesigned headliner that includes a cooler and easily accessible buttons that control everything from lights to the power mirrors.



Easy access

A new electrically actuated ladder platform makes cab access safe and easy. An LED light automatically lights the way when climbing the steps at night.



Total control

The new light control panel (LCP) provides access to all 12 lights around the machine. Bluetooth radio is standard.



Full visibility

The cab and sloping engine hood allow complete visibility around the harvester, even on the right side, for greater control and confidence when harvesting.



Night work

Mounted on both sides of the cab, 12 standard work lights and 2 new rear lights illuminate night work and increase your visibility. Extra lights can be equipped as options.



360° vision

Two cameras are fitted as standard and the in-cab color monitor can accommodate a total of four cameras to enhance visibility and view machine functions.



Shade and space

Cabs are fitted with 2 sun visors, one on the front windshield and one at the rear. They provide comfort even in the brightest harvest conditions. Attention to detail includes improved in-cab storage areas. A fold-down laptop table, coat hook and elastic storage net are standard.

Maximize your performance with less effort.

Intelligent and intuitive automation saves time and enhances harvesting performance. The Braud 9090X harvester's multifunction handle controls all key machine parameters, including travel speed and direction, manual leveling and the picking head. The right armrest can be adjusted in length and height, and machine functions can be analyzed at a glance courtesy of the IntelliView™ IV touch screen monitor. An interactive handle display can train operators about all functions and basic machine settings directly via the monitor. The Automatic Crop Setup screen lets you save preferred picking settings for recall later.

All olive harvester functions and parameters can be easily adjusted by touching the IntelliView™ IV monitor

Raise right hopper

Raise both hoppers

Raise left hopper

Lower both hoppers (Automatic)

Lower right hopper

Lower left hopper

Raise machine

Tilt machine left

Tilt machine right

Lower machine

Engage conveyor and cleaning

Menu button: access menu to set parameters

Adjust parameters within selected menu

Engage shaking system





IntelliView™ IV plug and play

The ultra-wide 10-inch IntelliView™ IV color touch screen monitor is fixed on a sliding rail that can move up and down the cab pillar so you can position it just where you want. When compatible multifunction implements are connected, the IntelliView IV monitor automatically sets work pages for easier control and management of the machine.



Row Tracking System

The optional RTS system uses GPS technology to map the rows on the IntelliView IV monitor, displaying harvested rows, missed rows and overlaps. It's especially useful during night work and spraying applications.



Olive weighting system

A new twin hopper can be equipped with an optional olive weighing system. This option weighs the machine before and after unloading, providing a static measurement of olives for logistics, crusher management, or global yield measurement. A dedicated weight-performance screen enables weights to be added and calculates the average yield (per field, per trailer, per day, etc.), allowing you to better manage the harvested crop. A printer provides a ticket of the weights on screen to record the harvested olives. If the machine is equipped with the weighing system and a GPS, it is possible to get yield mapping.



Maximum engine speed setting

Minimum engine speed setting

Flow divider equipped

Cruise control

Road mode

360°: Braud 9090X olive harvester.

Braud 9090X olive harvesters are designed to reduce maintenance and downtime. All service points are easy to access. Long service intervals let you maximize your work day—and your productivity.



The engine air filter is easy to check, clean or replace from the ground. No ladder or tools are needed.



The cooling package opens out to make cleaning faster and easier.



The two-piece engine hood opens wide for complete and easy access. A side door with a gas strut lets you access hydraulic components for cleaning and servicing.



Engine oil check and fill points are easy to reach. A long 600-hour service interval lets you stretch your harvesting time.





To facilitate and reduce maintenance, all harvester head grease points are grouped together and easily accessible from the head platform.



Both fuel and AdBlue tanks can be filled from the ladder for easy access.



Will I be able to find AdBlue easily?

The answer is yes! It will be available through CNH Industrial Aftermarket Solutions. AdBlue can even be delivered direct to your farm for absolute convenience.



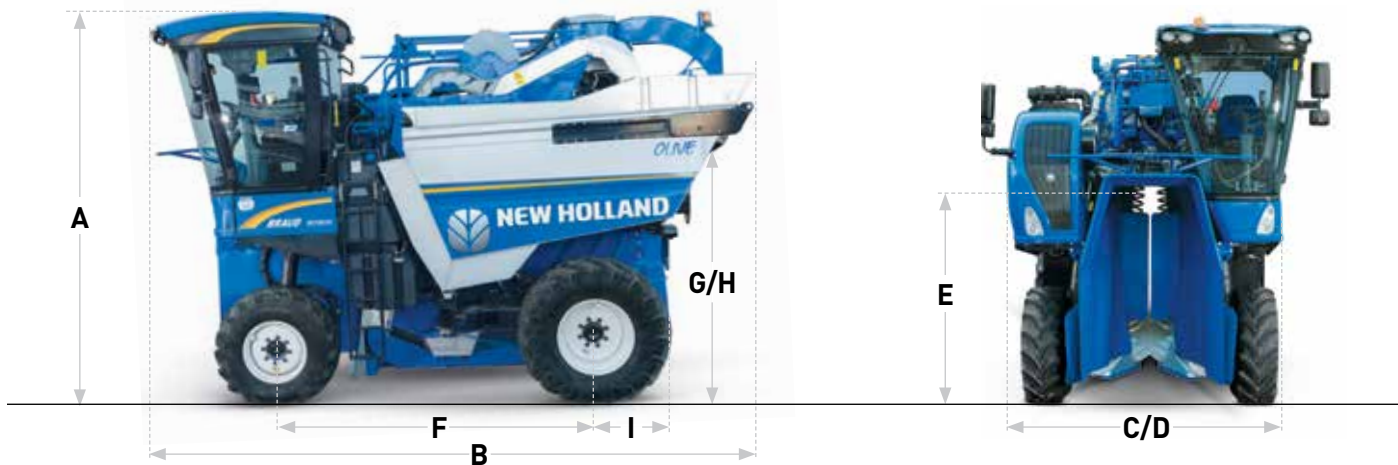
Dealer-Installed Accessories

Your local New Holland dealer can supply and install a wide range of approved accessories to optimize the performance of your olive harvester.

Models		Olive 2 Hoppers	Olive Side Conveyor
Orchard type		Super Intensive Olive Orchard	
Clearance Max (machine fully lifted)	ft. in. (m)	9' 10" [3.00]	9' 10" [3.00]
Multifunctional olive harvester with quick uncoupling		●	●
Engine			
Type		FPT NEF	FPT NEF
Compliant with engine emissions regulations Tier/Stage		4B/4	4B/4
Power ECE R120 - ISO 14396	hp[CV] (kW)	182 (134)	182 (134)
Cylinders / Aspiration		6 Turbo with Intercooler	6 Turbo with Intercooler
ECOBlue™ HI-eSCR system (Selective Catalytic Reduction)		●	●
Reversible cooling fan		○	○
Tractor Base Unit			
Diesel capacity / AdBlue capacity	gal. (L)	71 / 11 (270 / 41)	71 / 11 (270 / 41)
Heavy duty high-efficiency transmission, with 30kph road speed*		●	●
Front axle hydraulic suspension		●	●
Maximum steering angle	degrees	90	90
Front wheel torque limiter		●	●
Maximum slope	percent	35	35
Lateral slope	percent	25	25
IMS 2.0 - Intelligent management system 2nd generation		●	●
CDHA - Automatic height and lateral slope correction		●	●
Cruise control with radar		●	●
Electric park brake with brake pedal and seat button		●	●
Harvesting Head			
Number of SDC shakers (standard dotation)		42	42
Flexible rear shaker fixation		●	●
Quick coupling of the picking head		●	●
Hydraulic horizontal shaking rod spacing / quick shaker engagement		● / -	● / -
Sealed length of collection baskets	in. (mm)	98 (2500)	98 (2500)
Number of collection baskets		2 x 71	2 x 71
Basket size		XXL	XXL
Ground sensor for autolevelling		●	●
Tool free Noria tightening system		●	●
Automatic swing lock system		●	●
High capacity central cleaning conveyors	in. (mm)	18 (460)	18 (460)
Secondary lateral dispatching conveyors	in. (mm)	9 (230)	9 (230)
Upper cleaning fan with rear exhaust		●	●
Lower cleaning fans		-	-
Hydraulic heavy duty auger		●	●
2 Stainless steel hoppers / Capacity	gal. (L)		
1 Stainless steel hopper and right side conveyor / Length	ft. in. (m)	-	● / 17' 1" [5.2]
Remote control		○	○
Harvesting head centralized greasing		●	●
Cab			
Cab inside volume	ft. ³ (m ³)	78.75 (2.23)	78.75 (2.23)
Cab glass area	ft. ² (m ²)	24.4 (2.27)	24.4 (2.27)
Actuated access ladder and platform with light		●	●
Protective structure		ROPS code 4	ROPS code 4
Air conditioning and refrigerated box		●	●
Cab filtration system / Category level (EN 15695)		● / 2	● / 2
Blue Cab™ 4 Pack**		○	○
Bluetooth Radio with separated microphone (hand free phone calls)		●	●

Models	Olive 2 Hoppers	Olive Side Conveyor
Orchard type	Super Intensive Olive Orchard	
Cab		
2 Speakers integrated system	●	●
Adjustable armrest & multi-functional joystick	●	●
IntelliView™ IV touch screen monitor with adjustable position	●	●
Splittable color monitor for cameras	●	●
Cameras (color)	2 ● / 2 ○	2 ● / 2 ○
Steering column and adjustable pneumatic suspended seat	●	●
Heated and ventilated Bi-color deluxe Seat	○	○
Lights with dedicated Light Control Panel (LCP)	12	12
Mirrors with electrical adjustment	●	●
Right mirrors retractable	●	●
Front and back glass sunshades	●	●
Premium Viticulture/PLM®		
Row Tracking system GPS NH 162 (RTS)	○	○
Olive static weighting system with printer	○	-
MyPLM®Connect Telematics professional package	○	○

● Standard ○ Optional – Not available * Only for market authorizing homologation ** Blue Cab™ 4 Pack: Featuring Category 4 filtration (EN 15695-1 and -2), Automatic A/C, heated and ventilated Bi-color deluxe seat, LED working lights, removable 12V Cool box



Models	Olive 2 Hoppers	Olive Side Conveyor
Dimensions and Tires		
A Max height with cab, harvesting head on the ground	ft. in. (m) 13' 3" (4.04)	13' 3" (4.04)
B Length maximum	ft. in. (m) 20' 0" (6.1)	21' 12" (6.7)
C Maximum width of base unit	ft. in. (m) 9' 10" (3.00)	9' 10" (3.00)
D Min width at the rear wheels (with 600mm rear tyres)	ft. in. (m) 10' 8" (3.24)	10' 8" (3.24)
E Ground clearance (under tractor frame)	ft. in. (m) 7' 7"-10' 1" (2.31-3.06)	7' 7"-10' 1" (2.31-3.06)
F Wheelbase	ft. in. (m) 10' 10" (3.30)	10' 10" (3.30)
G Maximum hopper tipping height, under hopper	ft. in. (m) 10' 2" (3.10)	10' 2" (3.10)
H Maximum hopper tipping axis height	ft. in. (m) 10' 11" (3.33)	10' 11" (3.33)
I Harvesting head back offset (from wheel axle)	in. (mm) 37 (936)	37 (936)
Max useful Shaker height / Number of SDC shakers	2.05 / 42	2.05 / 42



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

Design, materials and/or specifications are subject to change without notice and without liability therefor. Specifications are applicable to units sold in Canada, the United States, its territories and possessions, and may vary outside these areas.

© 2021 CNH Industrial America LLC. All rights reserved. New Holland is a trademark registered in the United States and many other countries, owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates. Any trademarks referred to herein, in association with goods and/or services of companies, other than owned by or licensed to CNH Industrial N.V., its subsidiaries or affiliates, are the property of those respective companies.



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.