

# BRAUD VINE HARVESTER 175 HP

9090X



## BRAUD 9090X. THE ERA OF INTELLIGENT GRAPE HARVESTING BEGINS.

Since first introduced in 1975, BRAUD grape harvesters have delivered the best harvesting quality and productivity. Today the 9090X Series continues to be built around proven BRAUD design DNA, such as the SDC shaking system with flexible rear rod fixation and quick front engagement that softly shakes and detaches the grapes.

The NORIA basket system revolutionized the mechanization of grape harvesting and continues to offer the most gentle treatment of the vine and harvested crop. Available in either 2 Hopper or Side Conveyor configurations, the 9090X perfectly matches your vineyard requirements. For unloading on the go and non-stop harvesting, choose the innovative Side Conveyor configuration. This design provides extra efficiency during harvest and improved visibility during unloading. Refined and developed, these proven BRAUD systems are now matched to a larger conveyor system, high-performance cleaning fans and the best destemmer system. The result is improved cleaning and performance. BRAUD – the revolution continues.





### POWER & FUEL ECONOMY

Powered by FPT Industrial common rail electronic engines, the BRAUD 9090X gives you improved performance and economy. With six cylinders and an output of 175 horsepower (CV), the engines deliver more power and torque combined with 35% fuel savings on average.



### ULTIMATE COMFORT & SAFETY

Step up into the superb BRAUD 9090X cab. You will find it has been 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 the most used functions. Safe, quiet and comfortable, the cab is engineered to keep operators productive.



### PRODUCTIVITY & EASE OF OPERATION

The harvest season is now shorter than ever, so the 9090X Series is designed to be set up to work in different vineyards in the minimum of time, for maximum efficiency. The integrated Intelligent Management System, with IntelliView™ III touchscreen monitor, provides full access to all key harvester functions. Optimizing productivity for all vine types has never been easier.



### FAST & EASY MAINTENANCE

The 9090X Series has been redesigned to minimize maintenance time and costs. We've reduced picking head wash time by 30%. The sliding pads last two to three times longer, depending on working conditions. Destemmer maintenance materials last longer for less frequent replacement. The FPT Industrial common rail engine doesn't need its first service until 600 hours. Less downtime. More productive working time.



# YOUR HARVEST. TREATED WITH CARE FROM THE BEGINNING.

## 40 YEARS OF INNOVATION AND EXCELLENCE

For over 35 years, our team of specialists at the Coëx factory in France have designed, fine-tuned and produced over 14,000 grape and olive harvesters, establishing the benchmark in production quality, harvesting quality and response to the needs of growers throughout the world.



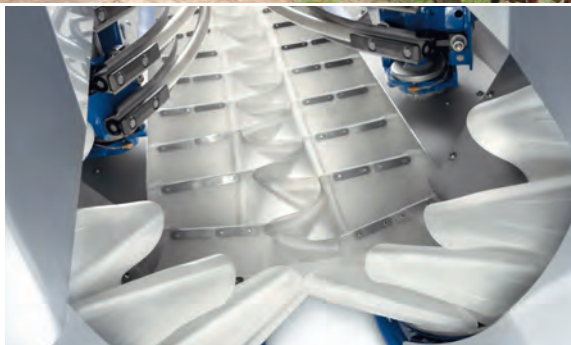
### SDC SHAKING SYSTEM

The BRAUD SDC is recognized as the best picking system, period. Each shaking rod is independent and mounted at the rear on a maintenance-free flexible fixation. This fixation allows perfect control of the shaker action, with maximum flexibility, for gentle picking. You can quickly and easily activate or deactivate the shaking rods according to the fruit-bearing zone.



### INTELLIVIEW™ MANAGEMENT

You can adjust the extra-large width of the shaker frame from the cab via the IntelliView™ III touchscreen. Once you set the required width on the screen, the IMS automatically adjusts each shaker frame side. This enables maximum picking efficiency, adapting the shaking parameters to the canopy size.



#### **NORIA COLLECTION NOW EVEN BETTER**

At New Holland BRAUD, respect for the vine and grapes is a design priority. The proven NORIA system, with its polyurethane baskets, ensures careful treatment of the fruit and canopy with no ground losses. We've increased the life of the sliding pads lifetime by two to three times.



#### **HIGH CAPACITY CONVEYORS**

The high-capacity conveyors are wider for better product distribution on the conveyors. As a result, the cleaning fans remove impurities more effectively. With BRAUD 9090X harvesters, you get better productivity and a cleaner product sample.

## AN EASY DAY. DURING AND AFTER THE JOB

### LOWER HOPPERS

The hoppers are redesigned to lower the center of gravity, for improved stability and improved traction. Furthermore, you can empty both hoppers at the same time.





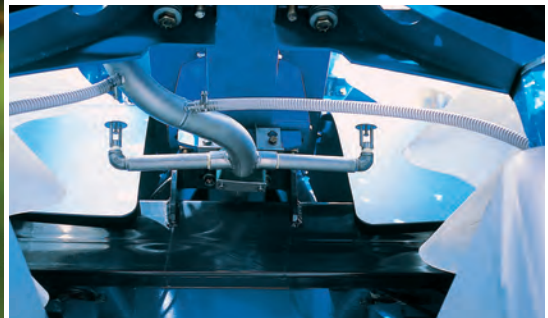
### RTS ROW TRACING SYSTEM

Night harvesting is easy for the operator with the Row Tracking System. You can specify RTS with New Holland GPS guidance to automatically track the worked rows. Worked rows are displayed on the IntelliView™ screen, enabling the operator to quickly identify the rows to be harvested. You can store work data on a USB memory stick for traceability.



### LESS WATER AND TIME

The picking head is designed for easy cleaning. Wash time has been reduced by up to 30%. A semi-automatic wash system is available which further reduces wash times and reduces water consumption by up to 30%.



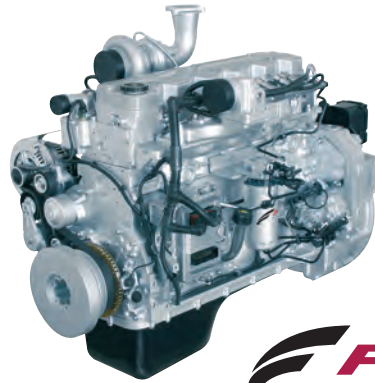
### CENTRALIZED GREASING

To facilitate and reduce maintenance, all harvester head grease points are grouped at a single point. Automatic greasing is also available.



# MORE POWER. MORE PERFORMANCE.

The BRAUD 9090X Series is powered by ultra-efficient FPT Industrial 6-cylinder common rail electronic engines, with an output of 175 horsepower (CV).



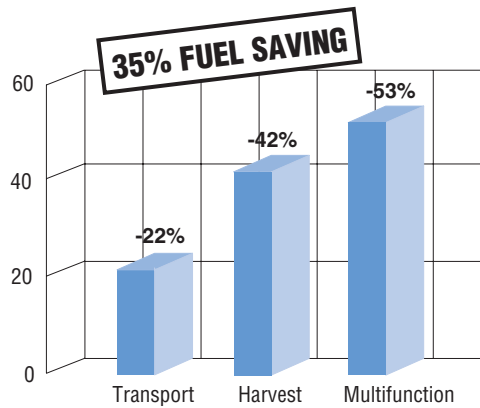
*Sustainable Efficient Technology*

## MODERN FUELS & WATER ECONOMY

All engines in the BRAUD 9090X Series are engineered to run on 100% biodiesel (subject to conditions). A semi-automatic wash system reduces water consumption by up to 30%.

## OUTSTANDING FUEL ECONOMY

The common rail electronic engines and IMS Intelligent Management System offer outstanding fuel economy with an average of 35% fuel savings.



## IMS - INTELLIGENT MANAGEMENT SYSTEM

Developed by BRAUD Coëx engineering, the IMS system was awarded a silver medal at SITEVI 2009—an international exhibition for vine-wine, fruit-vegetable and olive growing sectors. In practice, IMS will constantly monitor the demand on the engine. In light load conditions, or at the end of a row when the operator switches off the shakers and fans, IMS will vary the engine speed to precisely match demand but with no impact upon performance. This saves fuel, with no need for any operator input.



## HYDROSTATIC TRANSMISSION

A hydrostatic transmission delivers enhanced traction and improved performance in demanding terrain. Anti-skid automatically manages drive to the wheels for optimum performance on slopes and in wet soil conditions.

## AUTOMATIC HEIGHT AND LEVELING

The system automatically controls the height and the leveling. Once the operator sets the desired picking head height, it is maintained automatically. Sensors prevent the picking head from making contact with the ground in difficult terrain.







### TIGHT TURN RADIUS

With a 90° turn angle, BRAUD 9090X harvesters have the tightest turn radius on the market. The standard Soft Shift system automatically monitors wheel speed and manages oil flow to the traction motors. Power is always diverted to the wheel with the best grip, boosting traction and safety in difficult conditions.



### PRECISE CRUISE CONTROL

Working in conjunction with the true ground speed radar, the electronically controlled hydrostatic pump and IMS system enable the operator to set and maintain a constant harvest speed. The system also accommodates changes in terrain.



## QUIETER AND MORE COMFORTABLE.

BRAUD 9090X harvester cabs are fully suspended and sound-proofed for a smoother, more comfortable drive. Pressurized, heated and air-conditioned, the cabs are designed to offer optimum comfort and protection during harvest, spraying and other operations. Noise levels are reduced by 3 dBA compared to previous harvesters in like conditions.

### STANDARD SAFETY EQUIPMENT

A seat belt, safety glass breaking hammer and electronic operator presence sensor are standard fittings. A fire extinguisher can be specified.

### ELECTRIC MIRRORS

Redesigned electric mirrors, including two additional wide-angle mirrors, provide excellent all-round visibility. The right mirror is mounted on an auto break-back arm. This allows the mirror to fold back on impact and then return to its pre-set position.

### INTELLIVIEW™ III. PLUG AND PLAY ISO BUS COMPATIBILITY

The IntelliView™ III in-cab display has a touchscreen interface to make setting machine functions faster and simpler. You can customize pages to suit your specific operations. The system offers full ISO BUS control so you can use your IntelliView screen to operate a range of compatible equipment, including sprayers and multi-function implements. This eliminates the need for separate controls and reduces the time to switch between jobs.

### SLIM ADJUSTABLE STEERING COLUMN

A narrow steering column, almost half the size of the previous generation, provides enhanced visibility. Three-way adjustment allows operators to easily set the steering column to suit different preferences.

### HIGH-COMFORT SEAT

Fully adjustable, the standard high-comfort seat offers high levels of support and excellent shock load protection.



### REMOTE CAMERA READY

The 9090X Series is fitted with two cameras. A third camera may be added to enhance visibility and your view of machine functions. Images are displayed on a dedicated color monitor that fits to the top of the IntelliView screen.



### ARMREST

Integrated into the fully adjustable armrest, the "all-in-one" multi-function lever controls travel speed and direction, manual leveling, the harvesting head, as well as multi-function implements. Two sets of nine buttons to the right of the armrest can be allocated to control multi-function implements.

### STORAGE SPACE

Attention to design detail includes improved in-cab storage positions. A fold-down laptop table, coat hook and elastic stowage net are standard.



### NIGHT WORK

Double cab work lights and two additional LED lights to the front and rear of the picking head provide superb illumination in low light conditions. An additional LED light kit for intensive night operations is available.

## ALL-YEAR PRODUCTIVITY.

The base unit is designed to be used all year long, from pre-pruning to grape harvesting. In order to achieve this, we developed a patented system to couple and uncouple the picking head and a front tool carrier that can be fitted with implements.

### SIMPLE PICKING HEAD IMPLEMENTS

One person can remove the picking head, without special tools, in 10 minutes. All hydraulic and electrical connections are grouped together for easy access.



### FRONT TOOL CARRIER

Developed expressly for the 9090X Series, the front implement carrier attaches to the harvester quickly and easily. Operators can attach implements, including a trimmer, pre-pruner and leaf-remover, with fully integrated control via the IntelliView™ touch screen. The implement carrier telescopically adjusts both horizontally and vertically to suit the implements. It can be set to move away from the cab during a turn.



### LEAF REMOVER LR 350 PROVITIS

The LR 350 leaf remover frame is composed of two leaf removing heads. Each head follows the plane of vegetation and offers hydraulic width adjustment. The leaf remover can be combined with a trimmer to complete two jobs in one step.



### BERTHOUD CO-DESIGN

Berthoud spraying equipment\*, co-designed with BRAUD New Holland, can be attached in around 10 minutes, with full touchscreen operation via IntelliView III.

\*The use of a pulverizer requires the use of specific and appropriate items of equipment. Follow the safety instructions of the manufacturer of the phytosanitary products used, as well as the operating manuals for the items of equipment.



### TRIMMER ST 120 PROVITIS

Adjustable cutting bars with 16.9-inch rotary blades rotate at 2000 rpm. Choose a one-row model or a model with one row plus two half rows, with cutting heights of 48, 60, and 69 inches.



### PRE-PRUNER MP 122 PROVITIS

The MP 122 features a pre-pruning head with two disc modules equipped with blades cutting through shearing movement. The working height ranges from 19 to 39 inches.

## GRAPE DESTEMMER EVOLUTION.

All BRAUD 9090X two-hopper models can be fitted with a SOCMA patent evolution destemmer. Fitted on the top of each hopper, the system delivers the best harvest quality.

### OUTSTANDING IMPURITY ELIMINATION

The evolution destemmer eliminates on average 20% more harvest impurities than the system employed in previous generation models. An advanced trap removes the majority of stalks, leaves and MOG – material other than grapes. A dedicated MOG transfer auger discharges this material to the ground.

### GAIN IN QUALITY, GAIN IN PRODUCTIVITY

The evolution destemmer is positioned so it does not compromise the hopper capacity. It has a high throughput for optimum productivity.

### REDUCED AND SIMPLIFIED MAINTENANCE

Maintenance of 9090X harvesters is both simplified and reduced. Advanced materials, sealed bearings and a smoother conveyor path make looking after these harvesters less expensive and more straightforward.

### REVERSIBLE DESTEMMER

When the destemmer is not required, its rotation direction can be reversed from the cab to direct all harvested material into the collection hoppers. When the destemmer is not used, a distribution kit may be added to ensure both collection hoppers are filled evenly.

### HIGH YIELDS, EVEN CROP DISTRIBUTION

For high-yielding vines, request a distribution auger. This ensures the crop is evenly distributed over the cleaning mesh.

### MESH CLEANER

In crops where large individual grapes are likely to lodge in the cleaning mesh, a cleaner can be added. This pushes through the mesh, keeping it free of any blockage.



# SPECIFICATIONS

## BRAUD 9090X

## VINE - SIDE CONVEYOR

## VINE - 2 HOPPERS

|                                                                     |              | Thick and extra-thick vegetation |                               |
|---------------------------------------------------------------------|--------------|----------------------------------|-------------------------------|
| <b>Vine type</b>                                                    |              | ●                                | ●                             |
| Multifunctional grape harvester with Quick uncoupling               |              |                                  |                               |
| <b>Engine</b>                                                       |              |                                  |                               |
| Type                                                                |              | FPT Industrial                   | FPT Industrial                |
| Power ECE R120/ISO 14396                                            | hp [kW(CV)]  | 175 (129)                        | 175 (129)                     |
| Cylinders / Aspiration                                              |              | 6 / Turbo with intercooler       | 6 / Turbo with intercooler    |
| Compliance with emission level                                      |              | Tier 3 / Stage 3A                | Tier 3 / Stage 3A             |
| <b>Tractor base unit</b>                                            |              |                                  |                               |
| Fuel tank capacity                                                  | gal. (L)     | 66 (250)                         | 66 (250)                      |
| Hydrostatic transmission with anti-skid system                      |              | ●                                | ●                             |
| Maximum steering angle                                              | (degrees)    | 90                               | 90                            |
| Soft Shift                                                          |              | ●                                | ●                             |
| Front wheel torque limiter                                          |              | ●                                | ●                             |
| Maximum slope (without destemmer)                                   | (%)          | 40                               | 40                            |
| Maximum slope (with destemmer)                                      | (%)          | -                                | 35                            |
| Maximum lateral slope                                               | (%)          | 30                               | 30                            |
| IMS - Intelligent management system                                 |              | ●                                | ●                             |
| CDHA - Automatic height and lateral slope correction                |              | ●                                | ●                             |
| Cruise control                                                      |              | ●                                | ●                             |
| Front tool carrier                                                  |              | ○                                | ○                             |
| <b>Harvesting head</b>                                              |              |                                  |                               |
| Number of SDC shakers (std.)                                        |              | 24                               | 24                            |
| Flexible rear shaker fixation                                       |              | ●                                | ●                             |
| Quick coupling of the picking head                                  |              | ●                                | ●                             |
| Hydraulic horizontal shaking rods spacing / quick shaker engagement |              | ● / ○                            | ● / ○                         |
| Sealed length of collection baskets                                 | in. (mm)     | 98 (2500)                        | 98 (2500)                     |
| Number of collection baskets                                        |              | 2 x 68                           | 2 x 68                        |
| Minimum harvesting height                                           | in. (mm)     | 6 (150)                          | 6 (150)                       |
| Upper cleaning fans                                                 |              | ●                                | ●                             |
| Lower cleaning fans                                                 |              | ●                                | ●                             |
| Stainless steel hoppers                                             | gal. (L)     | 423 (1600) + Side Conveyor       | 845 (3200)                    |
| Destemmer - Separator (with 845 gallon/3200 liter hoppers)          |              | -                                | ○                             |
| <b>Cab</b>                                                          |              |                                  |                               |
| Adjustable armrest & Multifunctional joystic                        |              | ●                                | ●                             |
| IntelliView™ III Touch screen Monitor + Color monitor for cameras   |              | ●                                | ●                             |
| Cameras (color)                                                     |              | 2 STD /+1 OPT                    | 2 STD /+1 OPT                 |
| Steering column and adjustable seat                                 |              | ●                                | ●                             |
| Mirrors with electrical adjustment                                  |              | ●                                | ●                             |
| Right mirrors retractable                                           |              | ●                                | ●                             |
| Parking brake                                                       |              | ●                                | ●                             |
| <b>Dimensions</b>                                                   |              |                                  |                               |
| <b>A</b> - Max. height with cab, harvesting head on the ground      | ft. in. (m)  | 11' 11" (3.63)                   | 11' 11" (3.63)                |
| <b>B</b> - Length max                                               | ft. in. (m)  | 21' 5"/24' 9" (6.54/7.54)        | 19' 2" (5.84)                 |
| <b>C</b> - Maximum width of base unit                               | ft. in. (m)  | 10' 3" (3.13)                    | 10' 3" (3.13)                 |
| <b>D</b> - Maximum width with harvesting head fitted                | ft. in. (m)  | 10' 4" (3.14)                    | 10' 7" (3.22)                 |
| <b>E</b> - Ground clearance                                         | ft. in. (m)  | 6' 7" to 9' 2" (2.00 to 2.80)    | 6' 7" to 9' 2" (2.00 to 2.80) |
| Maximum hopper tipping height                                       | ft. in. (m)  | 10' 11" (3.07)                   | 10' 11" (3.07)                |
| Side conveyor width                                                 | ft. in. (mm) | 1' 6" (450)                      | -                             |
| Side conveyor length (2 options)                                    | ft. in. (m)  | 13' 9"/17' (4.20/5.20)           | -                             |
| Maximum unloading height for Side conveyor                          | ft. in. (m)  | 4' 4" to 17' 10" (1.32 to 5.45)  | -                             |

● Standard ○ Optional - Not available





# VALUE, SERVICE AND SOLUTIONS

New Holland offers SMART solutions for your harvesting needs. You get peace of mind knowing New Holland harvesters gently handle your prized grapes and olives, while also boosting your productivity for a better return on your investment.

**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, insurance and the purchasing convenience of a Commercial Revolving Account.

For reliable equipment, parts and service — or just honest advice on equipment and finance — turn to New Holland and your trusted New Holland dealer.



We are proud to support the FFA.

Learn more at [www.newholland.com/na](http://www.newholland.com/na)

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.

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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.