

# BRAUD HIGH CAPACITY GRAPE HARVESTERS

9070M | 9070L | 9090L | 9090X



# Braud High Capacity Series. Excellence reinvented

The Braud 9000 Series is built with proven Braud DNA to deliver high quality, clean grapes to some of the world's top vineyards. With industry-exclusive features such as the Noria buckets, and the SDC shaking system, our harvesters are designed to be gentle on the vines, provide better climbing capability in steep hills, and be more efficient and easy to operate. Couple these harvest-focused features, with industry-leading cleaning systems, such as Opti-Grape™ and the patented SOCMA destemmer, and your operation will benefit from less time spent cleaning at the winery and better tasting wines.

## Productivity & harvest care

The harvest season is now shorter than ever. The Braud 9000 Series can be set up quickly and easily to work in different vineyards for maximum efficiency. The SDC shaking system with low grape shaking feature and high capacity cleaning system help you harvest your vineyard gently and efficiently. The integrated Intelligent Management System 2.0, with IntelliView™ IV touch screen monitor provides full access to all key harvester functions. The Automated Crop Setup (ACS) feature helps program and store your preferred harvesting settings for easy setup to start your harvest. Optimizing productivity for all vine types has never been easier.

## Less wash time. More work.

The washing process has been reinvented. The Braud 9000 Series now features wireless remote control convenience to provide effective washing while saving you time and money. The picking head wash time is reduced by a unique pre-washing system featuring a strategically positioned water supply pipe, water nozzles positioned to key areas, and fewer debris accumulation areas. The Noria tension system and automatic transport lock helps to reduce maintenance and preparation time. Destemmer rotors now feature a tool-free height adjustment system, allowing easy adjustments in the field to maximize cleanliness.

## Best in class comfort & safety

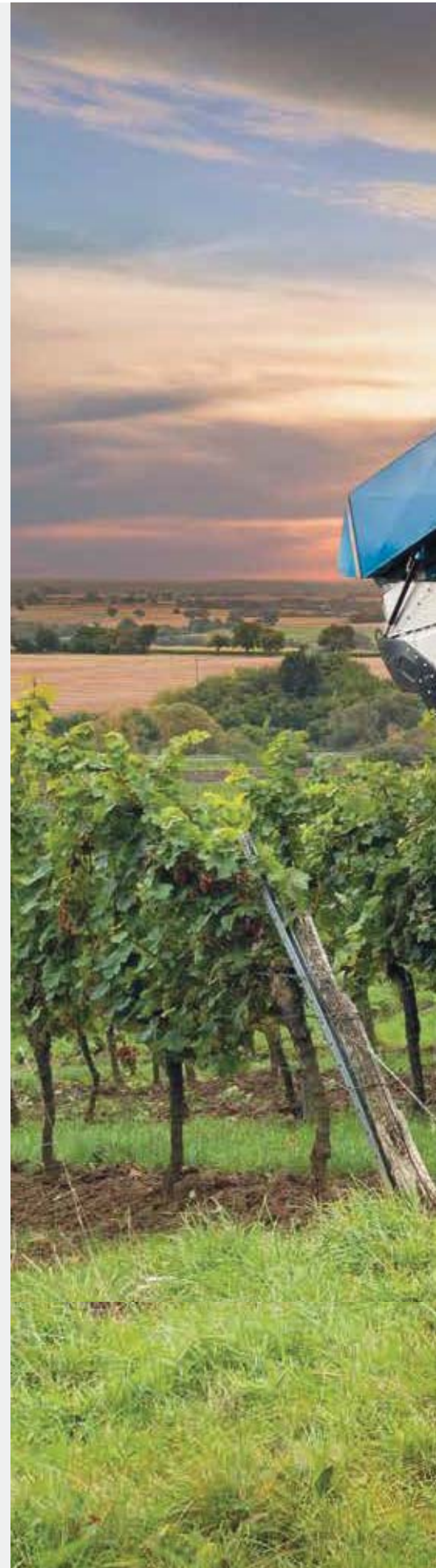
Step up into your new field office. The Braud cab has been designed to fit you perfectly. The seat and steering wheel adjust to suit you. The standard armrest, with integrated multifunction handle, provides easy access to the most commonly used controls. Safe, quiet and comfortable, the cab complies with the stringent Code 4 European Machine Directive, and can now be fitted with the unique Blue Cab™ 4 system, providing a twin filtration system, complying to both Category 2 and 4 of EN 15695-1 and -2.

## Power & fuel efficiency

With FPT Industrial common rail electronic engines you'll see higher power outputs and better fuel economy. With up to 182 horsepower, the new Tier 4B HI-eSCR 4 and 6 cylinder NEF engines deliver more power and torque with best in class fuel efficiency. The steering system provides time-saving maneuverability, even on tight headlands, with minimum effort.

## Multifunctionality

Fitted with the multipurpose arm, rear frame and ballast, you will quickly turn your new Braud 9000 into a unique tool carrier for different applications. Sprayers and front implements are the go-to choice to turn your Braud 9000 into a multipurpose machine that works productively year round.



## At the heart of Braud DNA.

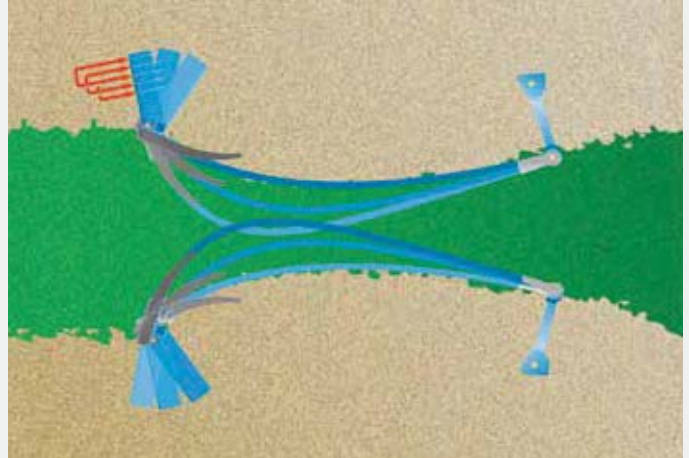
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For over 40 years, our specialist teams at the Coëx factory in France, have designed, fine-tuned, and produced over 15,000 grape harvesters. The Braud history sets a benchmark in manufacturing quality, grape harvesting quality, and meets the multifunction needs for wine growers throughout the world. The SDC system (Shaking Dynamic Control) with flexible shaking rods, and the Noria collection system are at the heart of Braud DNA. These patented Braud technologies provide unparalleled shaking efficiency, respect for the wine stock, fruit integrity, and minimize ground losses.



### SDC shaking system

The SDC shaking system is an industry exclusive for the Braud Series. Each shaking rod is independent and hinged at the rear on a maintenance-free flexible connection. This connection allows perfect control of the shaker action, with maximum flexibility, for gentle picking. The ACS system "Automated Crop Setup" will enable you to program and save your preferred harvesting settings into a folder on the IntelliView™ IV monitor. You can recall your preferred settings for each crop and vineyard when required.



### Low grape shaking\*

A clever redesign allows the first shaker rod to be mounted below the shaker plate bearing on both sides of the shaker frame, allowing about a 1-1/2 inch gap above the top of the Noria bucket. The mounting design ensures even more effective shaking, from the lowest hanging grapes to the highest part of the vine.

\*Low shaker feature is not available on 9090X



### Optimized shaking system

Standard configuration includes 14 shakers on all Braud 9000 Series harvesters. Additional optional shaker kits (2 and 4 shakers) can be ordered to provide the best shaking configuration to match your vineyard. The optimized shaking system consists of both the adjustable rod aperture system and quick engaging shaker plates.



### Adjustable rod aperture

The distance between the shaker rods can be adjusted from the cab thanks to 2 electrical actuators. This feature allows the shaker rods to be adapted to fit any vineyard canopy width conditions.

### Adjustable shaker plate

Braud 9000 Series harvesters are fitted with an adjustable shaker plate. The quick release shaker plate, included in the optimized shaking configuration, allows the operator to easily adapt the chosen shaker rod to the fruit bearing zone with only one bolt. As a result, the shaker height is easily adaptable from vineyard to vineyard. The heavy duty quick release shaker plate can accommodate up to 20 shaker mounts\*.

\*18 on 9070M and 9070L



# Opti-Grape™: premium quality grapes.



The award winning Opti-Grape™ system aims to remove as much MOG as possible from the harvested grapes. It is a premium system designed for wine growers who demand the highest possible harvest quality, and delivers up to five times better cleaning performance by means of a unique, air-cushioned cleaning surface. The Opti-Grape system streamlines the wine making process from the vineyard to the winery by reducing time and labor costs while providing premium quality grapes.

## Top grape quality

The Opti-Grape system has been specifically designed to maximize harvest cleanliness. It is intended for vineyards growing low to middle yielding grapes. The MOG separation process is controlled by an air cushioned surface, generated by a rotary turbine blowing air through a mesh grid.

## Adjustable settings

The fan speed generating the air flow is adjustable directly from the cab on the IntelliView™ IV monitor. A MOG collection plate supplied as part of the Opti-Grape system, enables the driver to sample the rejected impurities. As a result, the driver can adjust their own sorting parameters, depending on the harvest conditions, the grape variety and the growers sorting expectations.

## Impurity selection

The air cushion surface enables a wide range of impurities of all shapes and sizes to be removed, such as petioles, stalks, bits of leaves, wood, stems, etc. It is also effective at removing dry and moldy fruit, and any botrytized fruit which may be present during difficult harvest conditions.

## Reversible functionality

When the Opti-Grape system is not required, automatic opening flaps and a reverse function activated from the cab will direct all harvested crop into the hoppers.

## Crop distributor

A specially designed crop distributor uses two infrared level sensors, allowing the hopper to be filled completely and efficiently. The hoppers have been adapted to accommodate the Opti-Grape system without compromising hopper capacity. A lower center of gravity and an integrated top fan blows debris behind the machine.

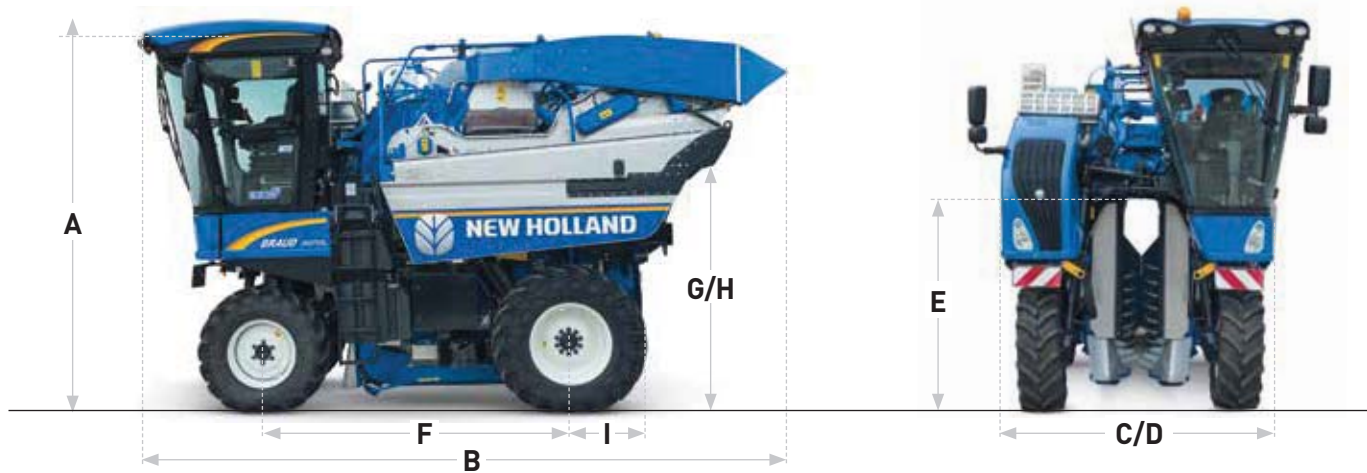


Models		9070M	9070L	9090L	9090X
<b>Vineyard row spacing</b>	ft. (m)	Intermediate >4.26 (>1.3)	Large >5.24 (>1.6)	Large >5.24 (>1.6)	>7.2 (>2.2)
<b>Clearance Max (machine fully lifted)</b>	ft. (m)	8.5 [2.60]	8.5 [2.60]	9.7 [2.97] (for twin hopper)	
Multifunctional grape harvester with Quick uncoupling		●	●	●	●
<b>Engine</b>					
Type		FPT NEF	FPT NEF	FPT NEF	FPT NEF
Compliant with engine emissions regulations Tier/Stage		4B/4	4B/4	4B/4	4B/4
Power ECE R120 - ISO 14396	hp [kW/(CV)]	164 [121]	164 [121]	182 [134]	182 [134]
Cylinders / Aspiration		4 Turbo with Intercooler	4 Turbo with Intercooler	6 Turbo with Intercooler	6 Turbo with Intercooler
ECOBlue™ SCR system (Selective Catalytic Reduction)		●	●	●	●
Reversible cooling fan		●	●	●	●
<b>Tractor base unit</b>					
Diesel capacity / AdBlue capacity	gal. (L)	65.2/10.8 [247/41]	65.2/10.8 [247/41]	65.2/10.8 [247/41]	65.2/10.8 [247/41]
Hydrostatic transmission with anti-skid system (Twin-Lock)		●	●	●	●
Road speed (15.5 mph)		●	●	-	-
Heavy duty high-efficiency transmission, with 18.6 mph road speed*		-	-	●	●
Maximum steering angle	degrees	90	90	90	90
Front wheel torque limiter		●	●	●	●
Maximum slope (with auger)	(%)	39	39	39	39
Maximum slope (with destemmer)	(%)	35	35	35	35
Maximum slope (with Opti-Grape™)	(%)	25	25	-	-
Maximum lateral slope	(%)	30	30	30	30
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		●	●	●	●
Front multifunction tool carrier		○	○	○	○
<b>Harvesting head</b>					
Number of SDC shakers (standard rotation)		14	14	14	24
Low Grape shaking system (1.57 in. above bucket top)		●	●	●	●
Flexible rear shaker fixation		●	●	●	●
Semi-Quick coupling of the picking head		●	●	●	●
Optimized shaking (electric pinch and quick release shaker)		●	●	●	●
Sealed length of collection buckets	in. (mm)	90.6 [2301]	90.6 [2301]	90.6 [2301]	98.4 [2 499]
Number of collection buckets		2 x 63	2 x 63	2 x 63	2x68
Bucket size		STD 3 rivets	XXL with 4 clips	XXL with 4 clips	XXL with 4 clips
Ground sensor for auto-leveling		●	●	●	●
No tool Noria tightening system		●	●	●	●
Hydraulic cane removers		-	○	○	●
Automatic swing lock system		●	●	●	●
High capacity cleaning conveyors	in. (mm)	27.6 [701]	27.6 [701]	27.6 [701]	27.6 [701]
Upper cleaning fans with rear exhaust		●	●	●	●
Lower cleaning fans		-	N/A with Opti-Grape	●	●
Auger		NA	NA	●	●
Destemmer with easy rotor height adjustment system		●	●	○	○
Crop repartitor with non destemming from cab		●	●	Standard with Destemmer	Standard with Destemmer
Opti-Grape™ with crop spreader and AutoFill (not with side hopper)		○	○	-	-
2 Stainless steel hoppers (liters except Opti-Grape)	gal. (L)	623/819 [2360/3100]	819/951 [3100/3600]	977/1,056 [3700/4000]	2000L per hopper
Pre-washing system with 6 nozzle rinse hose and valves		●	●	●	●
Washing remote control		●	●	●	●
Washing suits (2 size kit: M-L and XL-XXL)		●	●	●	●
Harvesting head centralized greasing		●	●	●	●
Progressive bin level indicator		●	●	●	●

Models		9070M	9070L	9090L	9090X
<b>Cab</b>					
Cab inside volume	ft <sup>3</sup> (m <sup>3</sup> )	78.8 (2.23)	78.8 (2.23)	78.8 (2.23)	78.8 (2.23)
Cab glass area	ft <sup>2</sup> (m <sup>2</sup> )	80.2 (2.27)	80.2 (2.27)	80.2 (2.27)	80.2 (2.27)
Actuated access ladder and platform with light		●	●	●	●
Protective structure		ROPS code 4	ROPS code 4	ROPS code 4	ROPS code 4
Air conditioning and refrigerated box		●	●	●	●
Cab filtration system/category level (EN 15695)		●/2	●/2	●/2	●/2
Blue Cab™ 4 package**		○	○	○	○
Bluetooth radio with separated microphone (hand free phone calls)		●	●	●	●
2 integrated speakers		●	●	●	●
Adjustable armrest & multifunction handle		●	●	●	●
IntelliView™ IV touch screen monitor with adjustable position		●	●	●	●
Splitable color monitor for cameras		●	●	●	●
Cameras (color)		2 STD /+2 OPT	2 STD /+2 OPT	2 STD /+2 OPT	2 STD /+2 OPT
Steering column and adjustable pneumatic suspended seat		●	●	-	-
Heated and ventilated bi-color deluxe seat		○	○	●	●
Lights with dedicated Light Control Panel (LCP)		12	12	12	12
Mirrors with electrical adjustment		●	●	●	●
Right mirrors retractable		●	●	●	●
Front and back glass sunshades		●	●	●	●
<b>Premium Viticulture/PLM®</b>					
Row Tracking System GPS NH 162 (RTS)		○	○	○	○
Grape static weighting system with printer		○	○	○	○†
PLM® Connect Telematics professional package		○	○	○	○

● Standard ○ Optional - Not available \* Only for market authorizing homologation † Not available on the 9090X side conveyor configuration

\*\* Blue Cab™ 4 package: Featuring Category 4 filtration (EN 15695-1 and -2), Automatic A/C, heated and ventilated bi-color deluxe seat, LED working lights, removable 12V Cooler



Models		9070M	9070L	9090L	9090X
<b>Dimensions and tires</b>					
Front tires available		340-85R24 / 400-80R24 / 420-70R24	340-85R24 / 420-70R24 / 400-80R24	400-80R24	SW400/80 R24
Rear tires available		440-80R28 / 480-70R28	440-80R28 / 480-70R28 / 540-65R28 / 600-65R28		TW540/65 R28TL TW600/65 R28TL
A - Max. height with cab, harvesting head on the ground	ft. in. (m)	12' 1" (3.69)	12' 1" (3.69)	12' 10" (3.93)	12' 10" (3.93)
B - Length max	ft. in. (m)	19' 8" (6.0)	19' 8" (6.0)	19' 8" (6.0)	19' 8" (6.0)
C - Maximum width of base unit	ft. in. (m)	9' 1" (2.79)	9' 9" (2.99)	9' 9" (2.99)	10' 5" (3.18)
D - Min width at the rear wheels (Narrow track if possible)	ft. in. (m)	7' 6" (2.30)	8' 3" (2.53)	8' 9" (2.69)	9' 7" (2.92)
E - Ground clearance (under tractor frame)	ft. in. (m)	6' 6"-8' 6" (2.00-2.60)	6' 6"-8' 6" (2.00-2.60)	7' 2"-9' 8" (2.20-2.97)	7' 2"-9' 8" (2.20-2.97)
F - Wheelbase	ft. in. (m)	9' 7" (2.93)	9' 7" (2.93)	10' (3.05)	10' 10" (3.30)
G - Maximum hopper tipping height, under hopper	ft. in. (m)	8' 10" (2.70)	8' 10" (2.70)	10' 2" (3.10)	10' 2" (3.10)
H - Maximum hopper tipping axis height	ft. in. (m)	9' 5" (2.88)	9' 5" (2.88)	10' 9" (3.28)	10' 9" (3.28)
I - Harvesting head back offset (from wheel axle)	ft. in. (m)	3' 1" (0.95)	3' 1" (0.95)	3' 1" (0.95)	3' 1" (0.95)
Max useful shaker height - twin hopper / side hopper	ft. in. (m)	4' 2" (1.27)	4' 2" (1.27)	4' 11" (1.50)	4' 11" (1.50)