





PRODUCTIVITY AND RELIABILITY AS STANDARD FEATURES

GREEN-ENGINES

Emission level stage IV SCR technology Agco Power engines designed for low fuel consumption, maximum economy, long life expectancy and reduced emissions.

M310MCS

L'AVERDA

PROLINECAB

Completely new cab: it has been designed to meet operator requirements to ensure the best working conditions and therefore optimising productivity.

CUTTINGHEADER

Free Flow and Power Flow cutting headers, for easier and more efficient harvesting of every crop type, with the hydrostatically driven pickup reel and the new TST automatic system for a constant cutting height.

MODEL	kW (ECE R120)	STRAW WALKER	TANK CAPACITY	THRESHING SYSTEM
M 310 MCS	225kW@1950rpm boost	6	8600	PFR/MCS PLUS
M 300 MC5	179kW@2000rpm	5	8600	PFR/MCS PLUS
M 310	225kW@1950rpm boost	6	8600	REV MODULE
M 300	179kW@2000rpm	5	8600	REV MODULE

PFR/MCS

The Power Feed Roller for a continuous and even flow; Multi Crop Separator Plus, a dual separation system in one for gentle yet efficient threshing and separation.



WORKING IN SPECIALIZED AGRICULTURE FOR MORE THAN 140 YEARS

The skills and technological culture aquired duing more than a century of history, make Laverda one of the most qualified manufacturers of combine harvesters in the world.

This is reconfirmed by the customers who, on every continent, show their loyalty towards Laverda's quality and reliability and who appreciate our engineers' ability to develop and plan our continuously evolving range.

Its history and being an integral part of the AGCO Corporation, one of the largest global groups in manufacturing and marketing agricultural machinery, make Laverda a reference point for farming enterprises that need dedicated solutions to support their eco-friendly, specialized agricultural needs. Today the Breganze manu-

facturing plant is the center of excellence for the production of combine harvesters for the AGCO Corporation's EAME markets.

LAVERDA





POWER FLOW VERSATILITY TAKES TO THE FIELD

KNIFE

The exclusive Schumacher system guarantees a higher cutting strength, precision, and a 1.220 rpm working speed even on green or damp crops. The strong and reliable gear box vibrates less therefore, less wear on the cutting header. The blades of the knife are double supported, constantly sharp and self cleaning, therefore more difficult crops like oil seed rape, peas and rye are tackled with ease.



REEL The hydraulic reel can be regulated to 3 different positions, high enough to reach taller crops and low enough to allow the reel tines to reach below the knife making it reliable in crop pick-up even in laid conditions. The reel speed adjusts automatically, the Operator can set the speed ratio from inside the cab, so the reel will automatically compensate to the forward speed of the combine for perfect crop flow into the header.



POWERED BELT SYSTEM

The one meter length between the knife and auger, allow for improved performance and visibility. Tall and short crops can be cut and easily transported directly underneath the auger by the revolving power belt at a constant speed, increasing the productivity of the machine.

OIL SEED RAPE

Exclusive design of the Power Belt allows efficient collection of rapeseed without having to employ an additional kit, but simply installing optional side knives, where the crop dividers attach. A special rape auger (optional) can be easily installed above the main auger and can boost productivity when harvesting long stemmed oil seed rape.







TST

The **TST**, Tera Soft Touch levels the cutting header across the ground and lengthwise, thanks to two systems that work at two ranges of height (50 to 200 mm for short-stemmed crops, or 100 to 500 mm for taller crops).

The new system is controlled by an **electronic proportional valve** which gives a more accurate leveling performance in all conditions, including field pressure control.



CROP DIVIDERS

The standard Torpedo foldable crop dividers were engineered for all types of crops and conditions. The assembly is quick and simple, not requiring the use of any tools. The unique design make it possible to fold the dividers making it easier to transport on the road.

FREE FLOW **EVERY SINGLE** COMPONENT **IMPROVES THE** PERFORMANCE



LARGE-DIAMETER AUGER

Thanks to a large-diameter auger with larger flighting, it allows for increased and improved feeding capacity.





OPEN-PROFILE FRAME Provides **better visibility** (facilitating crop flow control) and improves the handling of long-stemmed crops. The frame is designed to simplify hitching and unhitching the cutting header.

HEADER/MACHINE COUPLING

The cutting headers are hitched by a centralized multiple coupling system for all electric and hydraulic controls. This makes hitching a quick, simple and precise operation.





HYDROSTATICALLY DRIVEN PICKUP REEL

It is equipped with newly designed tines, anti-clogging blades (Schumacher system) and simplified drives. This combination of components improves balance and the efficiency of the pickup reel on laid crops and is practically zero maintenance.







The **TST**, Tera Soft Touch levels the cutting header across the ground and lengthwise, thanks to two systems that work at two ranges of height (50 to 200 mm for short-stemmed crops, or 100 to 500 mm for taller crops). The new system is controlled by an electronic proportional valve which gives a more accurate leveling performance in all conditions, including field pressure control.



EASY REVERSE

The large Easy Reverse skids with rounded edges, located beneath the table, offer accurate control and easy operation even in reverse.







Ideal threshing requires good preparation and consistent crop feeding. The **long crop elevator,** with large intake, is designed to improve the performance of the machine with a greater capacity, a smoother crop flow and the possibility of coupling with larger headers and offers the operator better visibility from the cab. Header lift capacity is guaranteed with the powerful lift cylinders lifting capacity up to 2,600 kg.



PREPARATION IS FUNDAMENTAL TO OBTAIN GREAT PERFORMANCE



The **PFR**, Power Feed Roller system, exclusive to the **M 310 MCS and M 300 MCS models**, based on a roller fitted with retracting fingers at the entrance of the elevator channel, is another solution to ensure the continuous and even flow of crop from the cutting header to the threshing apparatus. The advantages are plentiful: more regular threshing, constant levels of combine performance, lower power requirements, reduced fuel consumption and longer lasting drives. The benefits are obvious both for your work and for your productivity.





UNBEATABLE THRESHING

LAVERDA STANDS FOR PERFORMANCE AND EFFICIENCY FOR THE THRESHING OPERATION

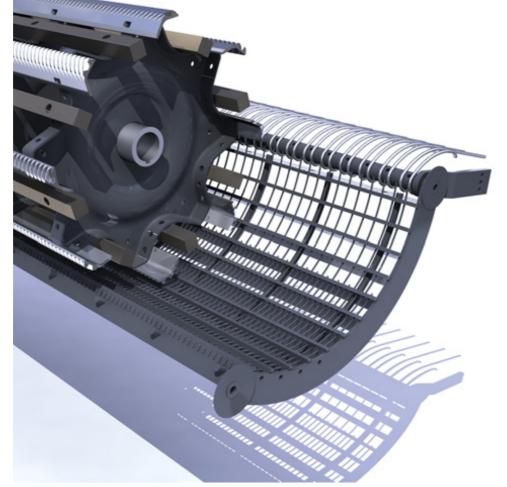


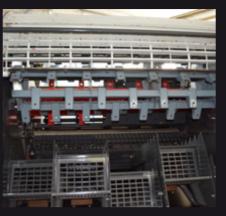
LAVERDA HAS **DEVELOPED SEVERAL SOLUTIONS TO GUARANTEE** MAXIMUM **EFFECTIVENESS** FOR CROP HARVESTING **OPERATIONS** AND SEPARATION

The drum, with a 600 mm diameter and a width of 1.340 mm, for the machines with 5 straw walkers and a width of 1,600 mm for the 6 straw walker machines, are equipped with eight rasp bars and eight ballast bars. This ensures that the crop is separated in an optimal way, while maintaining the quality of the straw and grain.

The **ballast bars** give the cylinder a fly wheel effect, reducing the space between one bar and another; making the threshing process extremely regular and therefore even delicate straw and maize are processed gently.

Moreover, the front and rear concave are electronically adjustable independently from the cab. This allows the combine to be quickly adapted to different types of crops in all types of conditions.





GRAIN SEPARATION WITHOUT COMPROMISE

A good **threshing system** must have the capability to adapt swiftly to the ever changing harvesting conditions in order to maintain grain quality and straw integrity. This is why Laverda has developed several solutions to guarantee maximum effectiveness for crop harvesting operations and separation.



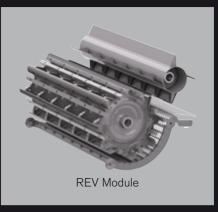
M 310

M 300

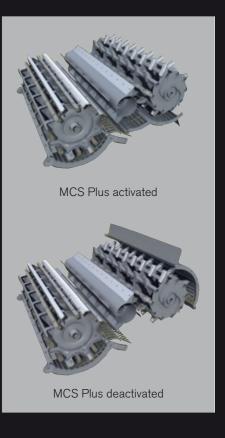
For these models Laverda offers the MCS Plus, patented separation system, composed of the REV module and the additional MCS separator. This system creates a forced separation action before the crop reaches the straw walkers. The additional MCS separator has the ability to be disengaged in the case of delicate crops or brittle straw. This exclusive system allows the separation capacity to be regulated based on the type of crop and its condition. The system maximizes output for all crops and conditions by generating maximum separation whilst maintaining straw in excellent condition for baling. The operator can switch from an aggressive threshing action to a more delicate one several times a day, by simply pressing a switch.

REV MODULE

For these models Laverda offers the REV concave module which has a three-position adjustable concave extension. This increases the concave area by 20% and offers a 120° wrapping angle to give maximum separation and high throughput.



6 straw walker image

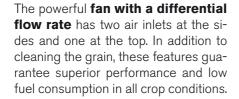


6 straw walker image



THE MOST EXTENSIVE STANDARD EQUIPMENT FOR EXCEPTIONAL CLEANING AND INTEGRITY

Laverda's long straw walker system achieves **further active separation** thanks to the exclusive design of the walker pans and steep steps.







The generously sized grain pan prepares the "grain chaff" and is the start of the cleaning process before the material reaches the sieves and fan. **The HCD High Capacity Design** adjustable sieves, with their special profile and opposing action, are part of the standard equipment on the M 300 Series combines: they clean the grain to a high standard and make the whole process more efficient, thanks to their exclusive design. The sieves can be electrically regulated, directly from the cab.



The standard equipment includes **8,600 litre grain** tank with an unloading rate of up to 85 litres per second. These large grain tanks and the fast discharge action allow the combines to achieve considerable

daily production rates. The unloading tube is positioned at the top of the grain tank, where it can be clearly seen by the operator and make the process of filling any size of trailer an easy task.

The comprehensive lighting system with adjustable high-intensity H9 headlights allows you to work at night with total visibility for as long as the harvesting conditions allow.

STRAW CHOPPER

Manufactured in the Breganze factory, Laverda's **straw chopper** is a perfect match to all the M 300 Series combines and it is available as optional. It is activated by a hydraulic mechanism and can be used for all crops. If the straw is to be baled, Laverda's straw chopper can be deactivated by simply moving the deflector which disengages it. Available with a 64-bladed rotor for machines with six straw walkers and with 52 blades for machines with five straw walkers, Laverda's straw chopper efficiently chops the straw thanks to the regulating serrated counterblades and the characteristic adjustable dimpled base plate.





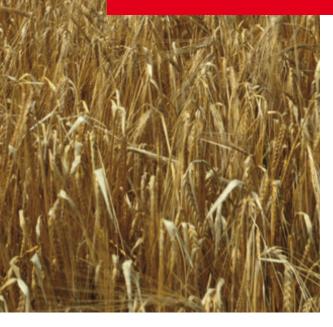
CHAFF SPREADER

To ensure effective distribution of the residues from the sieves Laverda offers another important accessory: the **chaff spreader**, which can be quickly adjusted to suit crop conditions. Chaff is spread in an efficient manner thanks to the **twin fan action**.





STRAW CHOPPER AND CHAFF SPREADER A PERFECT ADDITION





PROLINE CAB YOUR CONTROL CENTRE

DESIGNED FOR YOU **TO GET THE BEST FROM YOUR MACHINE DAY OR NIGHT**



Fundamental elements of good cab design include space, comfort and visibility. The new Proline cab offers all of these, ensuring complete operator comfort at all times.

Visibility is excellent with a panoramic view for the operator including header, stubble, unloader and the rear with large electrically adjustable mirrors.



VIEW YOUR STUBBLE SCENERY



LEAR VIEW OF THE INLOADER AUGER WHEI N OPERATION



The cab comes with a host of features you would expect in an operator environment of this quality: fully automatic air conditioning including heating; air suspension seat; electrically adjustable heated mirrors; instructor seat with cooler (optional) and storage box; excellent sound insulation means you work in quiet comfort; safe and easy to use cab steps.



ENHANCED VIS THROUGH THE TO THE REAR W



THE TECHTOUCH 2 TERMINAL RIGHT AT HAND

HAND SHAPED **CONTROLS FOR EASY OPERATION**

POWERGRIPLEVER

REEL LIFT/LOWER REEL FORE/AFT AUTOMATIC STOP CUTTING HEADER UP/DOWN CUTTING HEADER LEVEL LEFT/RIGHT UNLOADING ENGAGEMENT UNLOADING TUBE OPEN/CLOSE



The new control interface for the operator falls naturally to hand - the PowerGrip multifunction lever sits on top of the armrest which houses all the switches for the commonly used controls. As the propulsion lever does not need to slide it makes operation far less tiring than conventional set-ups.

POWERGRIP ARMREST

ENGINE SPEED SETTING THRESHER ENGAGEMENT CUTTING HEADER ENGAGEMENT



The right-hand armrest is the central operating unit where the key engagement switches sit with the throttle control. Designed with a large soft pad to cushion the arm during a long day allows for maximum comfort. The armrest can be raised and moved forward to suit the driver using two levers on the right-hand side of the console.

KEYPAD

DRUM SPEED SETTING FRONT CONCAVE CLEARANCE REAR CONCAVE CLEARANCE

FAN SPEED SETTING

ROAD MODE

ADJUSTMENT (OPTIONAL)

STRAW CHOPPER DEFLECTOR

TOP/BOTTOM ELECTRICAL SIEVES

GRAIN TANK COVER OPEN/CLOSE

VERTICAL KNIVES ENGAGEMENT

The membrane keypad is located directly on the right side of the armrest and is used to operate the principle combine functions. The soft, raised keys lead directly to the individual menus on the TechTouch 2 Terminal.





REEL SPEED SETTING PROPULSION ACTIVATION

OPERATION AND CONTROL FROM YOUR FINGERTIPS

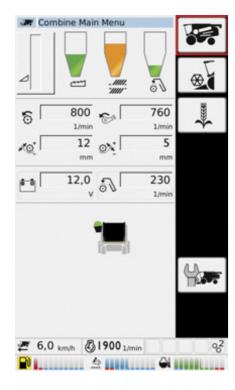
DASHBOARD

and the transport gear.

a permanent dashboard showing for-



The new TechTouch 2 Terminal is the control centre for all key performance operations, it has a touch screen, and you can use the unique safety naviga-tor to display the screen you require.



WORKING SCREEN

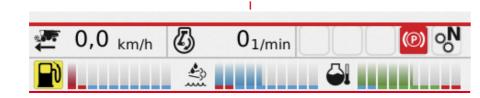
harvest the Combine Information Screen is displayed. With colour indicators for table height, performance and return volumes, it's easy to monitor with a quick glance. When in operation, audible and visual alarms are displayed to protect the combine.

11:49		880 1/min 0,0 km/h		Ctsn
🛫 0,0 km/	h 🙆	01/min	8 <mark>8</mark>	

Wheat Default ABC				
Current	Set	Default		
0	800	800		
0	12	12		
0	5	5		
0	760	760		
0	0	0		
0	0	0		
	Defa	Default Current Set 0 800 0 12 0 5 0 760 0 0	Default Default 0 800 800 0 12 12 0 5 5 0 760 760 0 0 0	

AUTOMATIC SETTING

As soon as the combine is ready to At the bottom of the screen there is Automatic setting can be actioned through various menus for a wide vaward speed, engine rpm, fuel capacity riety of crops, which saves time and energy. For each crop there are further combinations that can be stored.



1 On-board cor 1 Counter 1 Time , Area , Distar **■**↑+ Ð٢ 0,0 00 0,0 ≣+-0,0 ##2 0,0 A ha 0.0 ÷ + 0,0 × ÷ 0,0 Ø Σ 0.0 Plan 0,0 l/ha ΣA 0,0 Ø 0,0 31.01.2014 Last reset: 15:24:32 Z 0,0 km/h 🕢 01/min 🙆 % 6

The TechTouch 2 Terminal also contains a series of logs that record hours, hectares, fuel and tank fills in various modes. The operator can reset these at any time or save versions if he wants to return to a field and continue the logs.

This is useful for field records and those that combine for others.

PLE TO READ AND I

can be adjusted for each operator, which choices for what should be displayed.

job of interpreting the information very easy - warnings are shown clearly as a priority.

The easy-to-read colour touch screen Automated crop settings - several variations of crop settings can be added within the menu on the TechTouch 2 terminal, which when Clear uncluttered display makes the selected will alter the combine automatically.





ADVANCED COMPONENTS, EXCLUSIVE TECHNOLOGIES

M 300 Series Rice combines have been created to meet quality rice cultivation requirements even in countries where the climate allows more than 2 harvests per year. The Free Flow and Power Flow cutting headers with TST (the automatic system that follows the ground and achieves intelligent cutting), the feeder with retractable fingers (PFR) able to even out the most intertwined rice crop and feed the threshing components in a perfect manner. Reliable machines that ensure quality harvesting for any variety of rice.

For working on rice, a **specific drum** has been designed with teeth arranged over 12 bars. The drum has great inertial mass that ensures stability of the system for the delicate treatment of the rice. The rice concave, an exclusive Laverda design, is also toothed, with large discharge surfaces that are ideal for processing particularly damp and infested crops.

The Multi Crop Separator Plus has a specific shape and comes with **spe-cial wear proof components**, as do the augers and elevators. This ensures that the components are longer lasting and offer maximum separation

from the straw. Laverda's M 300 Series Rice combines are equipped with tracks, self-lubricating rollers and large pressure blocks to achieve an optimal floating action and make the combine easy to manoeuvre on rice fields.



AGCO POWER ENGINE EVOLVED AND ECOLOGICAL





LAVERDA

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AGCO POWER ENGINE PUT IN MOTION WITH SAVINGS AND THE **ENVIRONMENT** IN MIND





To get the very most out of the M 300 Series combines, we have chosen the new emission level stage IV Agco Power engines designed for low fuel consumption, maximum economy and rations and maintenance, just a more long life expectancy.

These engines have SCR (Selective Catalytic Reduction) technology, which reduce atmospheric emissions without any negative effects on opeefficient fuel use and therefore reducing operating costs.

BEHIND ALL THIS INNOVATION THERE IS THE STRENGTH OF "MADE IN LAVERDA"

DRIVES

Drives for the header, threshing system and hydrostatic unit, located on the left side of the machine, are strong and reliable. Each part is sized to performance, from the large diameter pulleys to the multiple belt drives. Strong components guarantee durable high performance even in difficult conditions. The exclusive, new reverser, for the header and crop elevator, has three times the power of the traditional system. This makes un-

blocking smoother and easier for the operator, while improving the system's efficiency and increasing work safety. The hydraulic system is equipped with a new pump linked with the hydrostatic pump to provide direct hydraulic power with maximum efficiency and no power





SIMPLIFY WORK: TO ENHANCE PROFITABILITY

LARGE DOOR TO GET TO THE ENGINE AND OIL LEVEL CHECK AND CHANGE THE AIR FILTER IN NO TIME



EFFORTLESS AND SECURE RADIATOR CLEANING







CLEVER DESIGN FOR SIEVE CLEANING AND REPLACEMENT



QUICK DEACTIVATION OF STRAW CHOPPER FOR BALING



MASSIVE LATERAL DOORS FOR SPEEDY AND COMPLETE INSPECTION

FAST DISENGAGEMENT OF MCS IN DRY CONDITIONS

















SIMPLE MAINTENANCE, SHORTER SERVICING TIME, LOWER COSTS. EVERYTHING IN THE M 300 SERIES IS DESIGNED TO FACILITATE WORK **BASED ON PRINCIPLES OF RATIONALITY**



WE TAKE CARE OF OUR CUSTOMERS LIKE WE CARE FOR OUR MACHINES





Laverda After-Sales Assistance Ser- The After-Sales Assistance Service vice can provide our Dealers, Imporcerns the way our combine-harvesters operate, how they are serviced and how to always get the very best out of the machines. But the After-Sales Assistance Service goes even further thanks to Laverda's efficient Parts Service. Organized so to provide our sting season, Saturdays and Sundays parts. included, customers can rest assured that their machines will never remain idle through lack of spare parts. The delivery lead times for spare parts are always extremely fast. The Laverda Service technicians, thanks to their practical experience, compile operation and maintenance manuals and training manuals for a truly global service.

and the Parts Service work in synerters and Retailers with **continuous** gy and in close collaboration with each updates about everything that con- other, and our technicians are always ready to assist Dealers and Importers when required. We are well aware that our success depends on your satisfaction when it comes to the quality of the products and service you receive. As you know, your "partner's" best work depends on the constant respect of Dealers and Importers with a phone the specified inspection timetable and assistance service during the harve- on the quality of original Laverda spare



ONE BY ONE, **SOLID AND RELIABLE PARTS, TOGETHER MAKE A PERFECT WORKING MACHINE**

Large-diameter auger, sturdy frame, hydrostatically driven pickup reel and newly designed tines integrated with the TST electronic system. Free Flow Cutting width: 4,80 m - 7,60 m. Cutting frequency: 1.254 rpm. Power Flow Cutting width: 5,50 m - 6,80 m. Cutting frequency: 1.220 rpm.

A roller fitted with retracting fingers at the entrance of the elevator channel to ensure the continuous and even flow of the crop from the cutting header to the threshing apparatus.

Equipped with eight rasp bars and eight ballast bars, ensuring that the crop is separated in an optimal way, while maintaining the quality of the straw and grain.

adjustment.

5 MCS PLUS (FOR THE M 310 MCS AND I

Patented separation system for the forced separation action before the crop reaches the straw walkers, which can be deactivated when crop conditions require. Electric control system activation. Total forced separation surface: 1,89 m² (5 straw walkers) 2,25 m² (6 straw walkers).

The long straw walker system achieves further active separation thanks to the exclusive design of the walker pans and steep steps.

Standard HCD High Capacity Design adjustable sieves with opposing action. Fan with differential flow rate has two air inlets at the sides and one at the top.

Excellent visibility with ergonomically placed controls makes the workload easier and more productive. Intuitive menus on the TechTouch 2 terminal provide information at a moment's notice and active warning systems protect your investment.

Achieves a considerable daily production rate thanks to a 8,600 litre grain tank with an unloading rate of up to 85 litres per second.

Agco Power engines with SCR technology and common Rail fuel system. Power rating: 225kW@1950rpm boost or 179kW@2000rpm. Optional 4WD.

on both sides.

The unloading tube is positioned at the top of the grain tank, where it can be clearly seen by the operator and makes the process of filling any size of trailer an easy task. Length m 4,50; height m 4,20.

Equipped with 12 bars. Differentiated mesh; independet front/rear concave

Available with a 64-bladed rotor for machines with six straw walkers and with 52 blades for machines with five straw walkers. Adjustable serrated counter-blades

LAVERDA

ECHNICAL SPECIFICATIONS*		M 310 MCS	M 300 MCS	M 310	M 300
Cutting header					
Free Flow - Cutting width	m	4,80-7,60	4,80-7,60	4,80-7,60	4,80-7,60
Power Flow - Cutting width	m	5,50-6,80	5,50-6,80	5,50-6,80	5,50-6,80
IST		standard	standard	standard	standard
Crop elevator					
Feeding system		PFR	PFR	-	-
Chains		4	3	4	3
Drum					
Drum diameter x width	mm	600x1.600	600x1.340	600x1.600	600x1.340
Rasp bars + ballast bars	n°	8+8	8+8	8+8	8+8
Concave					
Bars	n°	12	12	12	12
Vrapping angle	degrees	120	120	120	120
)ifferentiated mesh		standard	standard	standard	standard
ndependently adjustable front/rear concave		standard	standard	standard	standard
			Standard	Standard	5.410410
ars	n°	_	-	2	2
Positions	n°	-	-	3	3
	n	-	-	3	3
ACS Plus – Multi Crop Separator Plus		-1		_	_
Control system activation		electric	electric		
ICS diameter x width	mm	600x1.600	600x1.340	-	-
otal forced separation surface	m ²	2,25	1,89	-	-
Straw-walkers		0.44	5.44	2/4	F ()
traw-walkers with differentiated sections/steps	n°	6/4	5/4	6/4	5/4
Separation surface	m ²	9,06	7,62	7,99	6,72
Sieving pan and fan					
ICD sieves with opposing action		standard	standard	standard	standard
ailing return		to drum	to drum	to drum	to drum
an		volumetric	volumetric	volumetric	volumetric
peed	rpm	350/1.050	350/1.050	350/1.050	350/1.050
arain tank					
Capacity	litres	8.600	8.600	8.600	8.600
Inloading tube length/height	m	4,50/4,20	4,50/4,20	4,50/4,20	4,50/4,20
Inloading speed	litres/sec.	85	85	85	85
Cab and driver's seat					
Proline Cab with air conditioning system		standard	standard	standard	standard
echTouch 2 Terminal		standard	standard	standard	standard
ngine		Agco Power	Agco Power	Agco Power	Agco Power
уре		74 AWF.1047	74 AWF.1044	74 AWF.1047	74 AWF.1044
uel system		Common Rail	Common Rail	Common Rail	Common Rail
uel tank	litres	620	620	620	620
EF (AdBlue) tank	litres	80	80	80	80
ower rating (ECE R120)	kW	225kW@1950rpm boost	179kW@2000rpm	225kW@1950rpm boost	179kW@2000rp
ydrostatic trasmission		100cc	100cc	100cc	100cc
earbox	gear n°	4	4	4	4
WD		optional	optional	optional	optional
1ain brakes		disc	disc	disc	disc
yres		·			
ront tyres		650/75 R32	650/75 R32	650/75 R32	650/75 R32
ear tyres		460/70 R24	460/70 R24	460/70 R24	460/70 R24
*					

 * For the Rice configuration, see page 24



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