



BAURAL

HIGH-TECH MACHINES FOR AGRONOMIC
RESEARCH AND SEED PRODUCTION

RS1600 Combine harvester



Harvesters



Comfort and functionnality

A simple plot and multi-varieties combine designed to meet your needs

Completely suited and developed by BAURAL
 Efficient and robust design
 Comfortable front boggie
 Quick and easy access to every parts for a total
 cleaning control
 Fast threshing and cleaning avoiding grain mixture
 All harvesting heads adaptable
 Daily reduced maintenance
 Transport as normalized size
 Authorize to drive on french roads



Last generation engine

Power: 74 kW (100 ch DIN)
 In accordance with applicable standards
 Total access for maintenance
 Electronic control board inside the cabin
 Rotative filter for cooling engine down





Cabin et transmission

Panoramic view

- Great visibility at 191° with an access on the left
- Heating and air conditioning
- Ventilation and filtered pressurization
- Pneumatic seat and tilting steering
- Foldable ladder with electric command
- Multi-function lever (forwarding command and header lifting)
- Close to hand disposition
- Large size rear-view mirrors and large windscreen wiper
- Front lights
- Shock absorber and acoustic isolation



Transmission

- POCLAIN hydraulic wheel engine installed on a solid bogie
- 4 gears (with rear axle in en option)
- SAUER hydrostatic pump
- Boggy front axletree (with adjustable track from 1,45m to 1,90m drive in cabin, optional)
- Road speed of 25 km/h
- Park break with electric command (progressive with manual command in option)
- Rotative sieve to cool hydraulic system and engine down
- Differential blockade on the 4 front wheels (option)



Weighing and sampling equipment

Weighing and sampling equipment

Waiting hopper and weighing hopper assembled on pin

Access and control from driver's seat

Cycle's management by PLC

Weighing area with 4 stainless-steel sensors

Weighing indicator with quick stability

Pneumatic system for door opening

Pneumatic sampler with automatic selector inside the cabin (optional)

Industrial spectrometer NIRS (optional)



High performance threshing and separating system

Conventional threshing

Supply through a conveyor

Adjustable cunter-thresher with fast removal

Straw-walkers with fast removal

Adjustable upper sieve

Lower sieve : holes diameter depending on culture variety

Fan with variator (electrical command) and speed indicator

Chaff thresher with return on shelf

Thresher variator with electric command (optional)

Clutch with electrical command and security



Transport and grain storage

Powerful pneumatic system

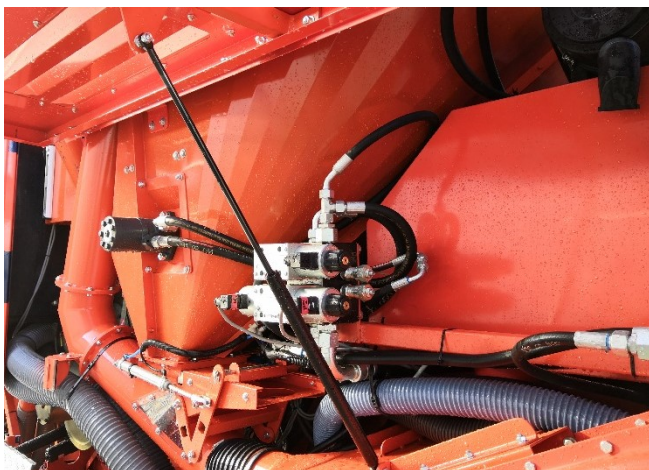
Double left turbine

Grain tank auger with fast removal

Cyclones integrated in the storage

High resistance short pipes

Exclusive and independent row-edging (Electro-pneumatic command)



Large storage hopper

Conical hopper

Top of the hopper closed with inspection trapdoor

Cyclone decompression in the hopper

Long drain-screw with complete visibility during emptying

Lighting signal when full

Window with light

Pneumatic cleaning of the drain-screw



Headers

For corn : CAPELLO 2 rows (70 – 75 – 80 cm)

Elements driving with hydraulic system
Cutting system with disengaging lever (optional)
Lateral crop divider (optional)



For cereals and rapeseeds : CAPELLO (1,50 m, 2,10 m or other on request)

Hydraulic functioning
Cutting bulkhead extension comes appart
Turbine for cutting head's blower (optional)
Rapeseed's saw (optional)



For sunflower : MORESIL 4 rows (60 cm)

Hydraulic functioning
Chain on cover
Quick assembly





Features

Engine et transmission

Engine 100 ch 74 Kw at 2500 r.p.m. 4 cylinders with turbo
 Fuel tank of 180 liters
 Hydraulic tank of 135 liters
 Hydraulic transmission with double volumetric size engine
 Speed on road 0 à 25 km/h
 Speed on field 0 à 13 km/h
 Standard front tyres : 260 / 70 R20 (adjustable track from 1,45 m to 1,80 m) or large tyres : 340 / 65 R18 (adjustable track from 1,55 m to 1,90 m)
 Rear tyres : Standard : 11.5 / 80 – 15.3 (track at 1,40 m)

Threshing

Conventional thresher with variable speed from 450 to 1450 r.p.m.
 Adjustable counter-thresher of 0,40 m² (with electric command)

Cleaning

Fan with electric command from 0 to 1100 r.p.m.
 Shaking surface of 1,40 m² (3 straw wakers)
 Sieve surface of 1,1 m²

Hopper

Capacity : 1700 liters
 Emptying height : 3,20 m

Electricity

Main circuit : 12 Volt
 Traffic and road lights
 Front working lights
 1 light on drain screw and 1 light in the hopper
 1 reverse light
 Revolving lights
 Cycle PLC



Weighing equipments

2 Turbine with venturi
 Soufflerie de coupe et remontée de grains
 Waiting hopper (volume 55 L)
 Weighing hopper (volume 55 L)
 4 stainless steel sensors IP65
 1 indicators with quick stability
 Solenoid valves and pneumatic command cylinders
 Compressor with 50 liters tank

Dimensions

Total length with the header : 7,20 m
 Width (transport) : 2,35 m
 Height : 3,10 m
 Wheelbase : 2,90 m
 Adjustable track from 1,45 m to 1,90
 Total weight with header : 6 200 kg
 Height from ground : 0,29 m

Options

Stalk thresher under the cutting head
 Rear hydraulic motor
 Air conditioning / Heating
 Printer
 Pneumatic sampleur
 Pneumatic winder
 Removable light with cable on winder
 Speed and rotation controller
 Industrial spectrometer - NIRS
 Data collector / Industrial computer



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