

DP4000 Combine harvester

HIGH-TECH MACHINES FOR AGRONOMIC RESEARCH AND SEED PRODUCTION







Comfort and functionnality

A double-pot combine designed to meet your needs

Completely suited and developed by BAURAL Efficient and robust design Powerful engine and transmission

Fast row-edging

Fast threshing and cleaning avoiding grain mixture

All harvesting heads adaptable

Isolated cabin from noises and vibrations

Daily reduced maintenance

Transport as normalized size



Powerful engine

JOHN DEERE type: 136 kW (185 ch DIN)
In accordance with applicable standards
Total access for maintenance
Electronic control board inside the cabin
Rotative filter for cooling engine down









Cabin and transmission

Panoramic view

Great visibility at 191° with an access on each side thanks to 2 lateral doors

Automatic heating and air conditioning

Very good acoustic and thermic isolation

Ventilation and filtered pressurization

Pneumatic seat and tilting steering

Foldable ladders

Sunroof to clean filters

Multi-function lever (forwarding command and header lifting)

Easy-to-reach control layout via a removable console

Large size rear-view mirrors and large windscreen wiper

Front lights









Transmission

POCLAIN hydraulic wheel engine installed on a solid frame

Fixation for transport

4 gears (4 wheel-drive in option)

SAUER hydrostatic pomp

Large tyres which allow harvesting in all conditions

Hydraulic steering



Weighing and sampling equipment

Weighing and sampling equipment

Double weighing hopper and double waiting hopper

Access and control from driver's seat

Cycles management by PLC

Double weighing areas with 2 x 4 stainless-steel sensors

2 weighing indicators with quick stability

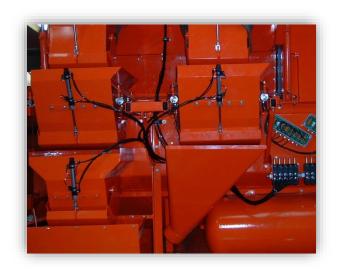
Pneumatic system for door opening

Pneumatic sampler with automatic selector inside the cabin (optional)

Data collector: weight, moisture, plot number and harvest plan (optional)

Industrial spectrometer NIRS (optional)

Printer and industrial computer (optional)









Transport and grain storage

Powerful pneumatic system

Double turbine

Maintenance-free Venturi

Double cyclone sheltered from bad weather

High resistance short pipes

Exclusive and independent row-edging (Electropneumatic command)







Large storage hopper

Hopper extension with hydraulic command

Cyclone decompression in the hopper

Long drain-screw with complete visibility during emptying

Lighting signal when full

Window with light





Threshing system and straw spreader

High performance thresing and separating system

Axial threshing with separated double rotor (studied for multi-cereals culture)

Adjustable cunter-thresher

Supply through separated conveyors

Independant straw separator

Self cleaning carrying strip easy to remove

Adjustable upper sieve

Lower sieve : holes diameter depending on culture variety

Fan with variator (electrical command) and speed indicator

Thresher variator with electro-hydraulic command (optional)

Clutch with electrical command and security

Straw spreader

Straw disperser with double rotating axis

Chopper with movable blades

Adjustable height

Adjustable dispertion width

Pivoting system for an access at the shacking sieves

Hydraulic functionning (spreader)

Quick dissaembly









Headers

For corn: CAPELLO 2 x 2 rows (70 - 75 - 77.5 - 80 cm)

Hydraulic folding to 2.50m for transportation Elements driving with hydraulic system

Cutting system for stalks with disengaging lever (optional)

Lateral crop divider (optional)



For cereals and rapeseed : CAPELLO (2 x 1.40 m, 2 x 1.80 m or other on request)

Hydraulic functioning
Turbine for cutting head's blower (optional)
Rapeseed's saw (optional)



For sunflower: MORESIL 2 x 4 rows (60 cm, 65 cm, 70 cm)

Hydraulic folding for transportation

Hydraulic functionning

Chain on cover

Quick assembly

Blower on supply screw





Features

Engine and transmission

John Deere engine 185 ch 136 kW à 2200 r.p.m. 6

cylinders with turbo

Fuel tank of 300 liters

Hydraulic tank of 140 liters

Hydraulic transmission with double volumetric size

engine

Speed on road 0 à 25 km/h

Speed on field 0 à 13 km/h

Front tyres 18.4 R 30

Rear tyres 11.2 R 24

Threshing and cleaning

Double axial thresher

Adjustable counter thresher - surface of 2 x 0,75 m²

Carrying strip under counter thresher

Fan with electrical commande 450 à 1000 r.p.m.

Shaking surface of 3,10 m²

Hopper

Capacity: 4000 litres Emptying height: 3,80 m

Emptying speed: 70 liters/sec

Electricity

Main circuit: 12 Volts Secondary circuit: 12 Volts 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 Radio





Weighing equipments

2 turbines with venturi (air flow 2 x 1200 m3/h)

Double waiting hopper 2 x 40 liters

Double weighing hopper 2 x 40 liters

8 stainless steel sensors IP65

2 indicators with quick stability

Solenoid valves and pneumatic command

cylinders

Compressor with 100 liters tank

Dimensions

Total length with the header: 8,40 m

Width (transport): 2,54 m Wheelbase: 3,30 m

Distance between front wheels: 2,06 m Distance between rear wheels: 2,15 m

Turning radius: 8,20 m

Total weight with header and rear motor: 9900 kg

(depending on equipments) Height from ground: 0,34 m

Options

Stalk thresher under the cutting head

Rear hydraulic motor

Air conditionning / Heating

Printer

Pneumatic sampleur

Pneumatic winder

Removable light with cable on winder

Speed and rotation controller

Industrial spectrometer - NIRS

Data collector / Industrial computer

Thresher variator

Straw spreader

Straw thresher



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