

## OPTIMUS Technical parameters

# PNEUSEJ

PneuseJ + Quality = 

Technical data	Optimus 600	Optimus 800	Optimus 600 Fert
Working width (m)	6,00	8,00	6,00
Number of rows (nr)	48 or 40	64	48 or 40
Row spacing (cm)	12,5 or 15	12,5	12,5 or 15
Hopper capacity (l)	4600	4600	2400 seed/2200 fertiliser
Dosing unit	2 times Accord system, mechanical drive from wheel/-optional equipment- electric engine drive		
Rate kg/ha	1-380		
Coulters	disc DD	disc DD	disc DD Fert
Press wheel behind DD	standard		
Coulter pressure	max 80 kg		
Depth adjustment	centrally		
Pressure adjustment	centrally/ hydraulically		
Fan drive	standard- hydraulic from the hydrosystem of the tractor/optional- independent hydraulic system, propulsion from the output shaft		
Lifting capacity TBZ (kg)	4000, cat II/III		
Weight without seed (kg)	5843	7181	5963
Power requirement (kW)	90	120	90
Working speed (km/h)	5 - 12		
Efficiency (ha/h)	3 - 7,2	4 - 9,6	3 - 7,2
Connection	into the lower shoulders of the tractor cat. II/III		
Transport width (m)	3,00		
Filling height (m)	2,4		
Filling hole dimensions (m)	1,40 x2,30		
Tires	700/50-22,5		
Track tillers (pcs)	2 x 2		
Harrow springs	standard		
Electronic control unit	not in standard - optional equipment RDS ISOCAN or DRILLMAT		





## PNEUSEJ OPTIMUS Powerful - Effective - Flexible

A trailed seeding machine developed according to the requirements of farmers in order to increase efficiency with low demands on energy. Due to optimal weight distribution and wide tires 700/50- 22.5, it requires less tractor power, which contributes to lower fuel consumption. The core model of the PNEUSEJ Optimus is the trailed hopper connected by a three-point trailer hitch of coulters with a 6 – 8 metre range. The second version, with a working width of 6 metres, has an additional fertiliser applicator mounted on the DD seeding unit. The third version might be considered a combination of a separately trailed hopper serving for fertilising and a seeding machine for precise seeding with simultaneous fertilising.

### Hopper

The main part of the Optimus is trailed hopper with a capacity of 4600 litres, designed for large area performance with minimal downtime for seed loading. In the version with the added component for fertilising, the hopper is divided into two parts- 2400 litres for seed and 2200 litres for fertiliser.



### Dosing unit

The construction of the hopper allows for the positioning of two dosing units under the hopper with easy access. This will be appreciated by operators during the maintenance and setting of the seeding mechanisms, and also during the release of residual seed. The dosing unit is driven mechanically from the wheel. With the additional equipment, there is an option for electronically driven dosing unit.



### DD Coulters

Disc coulters DD are newly designed type of coulters, that ensure precise seed placement at the bottom of seedbed. Rubber suspension creates the possibility of continuous pressure adjustment. Rubber press wheels helps to precisely maintain the seeding depth even at higher speeds. DD coulters are designed to precisely placet he seed.



### Markers

The way the markers are constructed in the OPTIMUS 800 version allows sowing in close proximity to trees and other obstacles at the perimeters of the site. Side support wheels (only in the- metre version) are adjustable based on the depth of sowing and provide a smooth run of the machine.



### Track tillers

As a standard feature, the machine comes equipped with track tillers which eradicate the soil profile and create appropriate conditions for placing seed by sowing coulters. The result is well balanced crop.

### Electronic and control devices

This allows for creating furrows and provides complex information about the working of the machine ( power, speed, fan speed and seed level). There is an option for an electrical drive for dosing units and for monitoring the seed flow in individual sowing.



### Mechanical drive of pump by hydrophone fan

For tractors which do not have a suitable capacity hydraulic system, the Optimus offers the possibility of a mechanical drive for the hydraulic pump from the output shaft of the tractor.



### Service platform

The machine is standard equipped with a front and back service platform for applying and removing the cover the cover sheet comfortably and for loading the hopper using big-bags.