

TUME

Nova Combi



Nova Combi
the new-generation seeder fertilizer

TECHNICAL DETAILS Nova Combi

| | 3000 | 4000 |
|--|---|---|
| Hopper capacity | over 3000 l | over 4000 l |
| Working width | 3000 mm | 4000 mm |
| Weight with standard equipment without load | 3750 kg | 5475 kg |
| Double disc coulters | 24 pcs, Ø 360/400 mm | 32 pcs, Ø 360/400 mm |
| - pressure weight | 400 – 2000 N | 400 – 2000 N |
| - adjustment of compression during driving | standard | standard |
| Working depth adjustment wheels | 12 pcs | 16 pcs |
| - tyre size | 18,5 x 8,50 – 8 AW | 18,5 x 8,50 – 8 AW |
| Fertilizer/seed feeder | fluted rollers, 100 positions adjustable, equipped with springs | fluted rollers, 100 positions adjustable, equipped with springs |
| Bottom flaps | adjustable, equipped with springs | adjustable, equipped with springs |
| Feeder usage | ground wheel at the side | ground wheel at the side |
| Packer wheels | 12 pcs, in groups of two wheels, adjustable structure | 16 pcs, in groups of two wheels, adjustable structure |
| - tyre size | 7,50-16 AS | 7,50-16 AS |

Standard equipment: Steps in the front and back • Fine seed option • Nova Combi combination tow bar + hydraulics • Fertilizer and seed sieves • Tarpaulin cover • Adjustable divider wall between the hoppers • Calibration test trough fertilizer/seed • Lighting

Optional accessories: Various electronics packages • Hydraulic markers • Front cultivators • Seed dressing device • Grass seeder • Covering discs behind the coulters • Additional weights • Agitators for fertilizer / seed • Rear harrow • Tramlining • Low-lift feature

We reserve the right for alterations.

Versatile accessories

There is an extensive range of optional accessories available for Nova Combi.



Rear harrow

Hydraulic markers

Covering discs

Pioneer in farming machinery

Tume-Agri manufactures high-quality farming machinery under the TUME brand for seeding, simultaneous seeding and fertilising, and tilling. We invest in continuous product

development, placing the main focus on the feedback from our customers and the environment. Satisfied users of our machines are found world wide.

TUME-AGRI Oy

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Machines for Better Farming
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Machines in the brochure partly with optional accessories

2000 x 11/2007



Nova Combi – the new-generation seed and fertilizer drill

Nova Combi represents the well-known, reliable TUME quality. The Nova Combi has particularly been developed for direct seeding but it is equally well suited for all cultivation conditions. The Nova Combi drops the seeds and fertilizer in the same coulters but, the double disc developed by TUME feeds them slightly separately from each other. As separate fertilizer coulters are not needed, the required tractor pulling power is up to 30% lower. The Nova Combi does more for less!

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Nova Combi – more for less

The robust disc coulters of Nova Combi have been arranged in groups of two. This positioning, dimensioning and construction keeps the seed separate from the fertilizer. In addition, double discs decrease the load on coulters. Large sensing wheel, in front of coulters units, allows adjustment of seeding and fertilizing depth. As sensing takes place in front of the coulters, there is enough time to adjust the working depth according

to the roughness of the ground and the groove made by the coulters or driving speed has no effect to the seeding depth.

The wheels compact the soil ahead of the coulters, ensuring smooth operation and seeding in intact soil. The outward profile of the disc is convex which reduces track formation. Both this and a stone release system in each coulters ensure that the discs work even in the toughest conditions. The outside perimeter of the discs is serrated and they have slightly different diameters, facilitating rotation, cleaning and soil penetration. No separate coulters cleaning scrapers are needed. The urethane tabs between the Twin discs keep the fertilizer and seed separate from each other and reduce depth variation.

Nova Combi maintains the standard 125-mm row width. Covering discs are available behind the coulters as optional accessory. They help to push loose soil from the groove side into the groove and ensure that the seeds are properly covered. The working angle and down pressure of the discs are adjustable.



Nova Twin Disc

Large hoppers, small transportation width

The volume of Nova Combi's hoppers is over 1,000 L / metre of working width. The hopper is divided into two compartments with an adjustable divider wall. Filling the hopper is easy, as the filling doors are large, also in the driving direction and the tarpaulin covers can be rolled open. Nova also has sieves as standard.

The Nova Combi's overall width is the same as the drilling width on 3 and 4 metre enabling easy and trouble-free transport from one field to another.



The transport width of Nova Combi 3000 is only 3 metres



Nova Combi has spacious hoppers

Familiar fluted rollers – used with a ground wheel

Nova Combi uses the well-known TUME fluted roller feeding system for both fertilizer and seeds. The optional tramlining device produces wheel tracks for both fertilizer and seeds. This eliminates unnecessary fertilization of wheel tracks and brings considerable savings in fertilizer costs. Fluted rollers are driven with a large ground wheel positioned on the side of the drill.



Large packer wheels ensure good driving properties



Superior technology

Nova Combi's up-to-date technology makes seeding possible in all kinds of conditions. The packer wheel uses TUME's patented hydraulic system, where the pressure of each rear tyre is equal. It consists of a shaft tube with fixed wheel pairs at each end, as well as hinged hydraulically weighted wheel pairs. The design guarantees stable drilling even on inclined surfaces, maintaining a steady position in the driving

direction, and offers better adjustment to uneven ground.

The large wheels make driving easier and reduce harmful compaction in soft or damp conditions. The large diameter tractor pattern wheels allow extra space between each tyre so that the soil won't start to collect and block in front of the tyres.



Filling is easy



The feeder in Nova Combi is used with a ground wheel

Calibration test and emptying, easier than ever

Nova Combi comes equipped for fertilizer and seed calibration test. Running the test is the easiest and fastest in the market.