

Tilling and sowing sets - discs



Cultivating units with seeding function are designed for simultaneous cultivation soil and seeds. These units can be used for preseed soil cultivation after seed or pre-winter ploughing. It is also possible to use this cultivating unit to preparing the soil in reduced technologies of seedbed cultivations.

Cultivating units with seeding functions are equipped with universal main frame. On that frame, there are attached **2-row compact disc harrow** and roller that compacts soil. Compact disc harrow is composed of 2 supporting frame equipped with toothed discs of diameter **510 mm or 560 mm** and inclination angle of **15°**. In order to improve work effects, discs are mounted to the beam of supporting frame by rubber shock absorbers. In order to improve outer side discs quality of work, the harrow is equipped with guard, that limits soil throwing by side discs. Soil is directed under the side disc into the working area of roller.

Cultivating units are equipped with hydraulic coupling for the seeder with II and III cat. linkage system.

As a non standard equipment of cultivating unit, it is provided to use front mounted implement that is attached to the front 3-point coupling system of tractor. The front implement base is a ballast box with two double wheels. Leveling harrow or 2-row cultivator are mounted to the ballast box.

Technical data and parameters fulfils European standards in the range of usage and service safety and ergonomics. High efficiency is a result of applying the newest computer-aided design methods. Optimal lifetime and strength has been reached thanks to a design parametric modeling with 3D system and versatile design analysis MES systems.

Indisputable advantages of cultivating units are time and fuel economy with simultaneous soil protection thanks to reducing the number of tractor outfits passes. Front mounted implement that is optionally used (non standard equipment) in the cultivating unit improves tractor working stability during work and transport. Work with attached front implement is more efficient because of ability to work with higher working speed when the field ahead tractor is leveled.

Technical specification

Machine symbol	-	U815/6	U815/5	U815/4	U815/7*
Working width	m	2,5	2,7	3,0	4,0
Working depth	mm	120			
Number of discs	pcs	20	22	24	32

Discs diameter	mm	510 / 560			
Machine weight with tubular roller (Ø 385 mm) (discs 510 / 560)	kg	1200 / 1245	1265 / 1315	1335 / 1390	1490 / 1560
Machine weight with packer roller (Ø 465 mm) (discs 510 / 560)	kg	1445 / 1490	1525 / 1575	1610 / 1665	1860 / 1930
Machine weight with string roller (Ø 320 mm) (discs 510 / 560)	kg	1160 / 1205	1225 / 1275	1295 / 1350	1450 / 1520
Machine weight with crosskill roller (Ø 350 mm) (discs 510 / 560)	kg	1725 / 1740	1760 / 1810	1805 / 1860	1930 / 2000
Machine weight with rubber roller (Ø 500 mm) (discs 510 / 560)	kg	1830 / 1885	1860 / 1915	1900 / 1955	2010 / 2075
Power demand	kW / KM	65 / 88	70 / 95	75 / 102	90 / 122
Front implement weight - cultivator					
	kg	315	335	350	390
Front implement weight – leveling harrow					
	kg	300	310	320	340
Power demand	kW / KM	12 / 16	14 / 19	16 / 21	20 / 27

* transport on public roads strictly forbidden

Gallery





