

FARMDROID



FARMDROID FD20 FACTSHEET

AUTOMATIC SEEDING & WEEDING ROBOT

INTRODUCING THE FD20

FarmDroid was founded on the vision to do things smarter, and make the world a better place through technology. The FD20 is the result of countless hours spent developing and testing in the field, and with the founders coming from a family of farmers themselves, we understand the challenges farmers face in agriculture today.

Our aim is, first of all, to make seeding and weeding easier and more cost-effective. Second, we will develop robots for the greater good of farming by accommodating the expectations of the global society to reduce or eliminate CO₂-emissions and reduce the use of agrichemicals, and hard repetitive work. By taking care of both the seeding and weeding, the FarmDroid FD20 frees up time for other more valuable activities, while at the same time being an attractive investment for the farmer.

Read more at farmdroid.dk



Solar powered



Payback time
down to 1.5 year



CO₂ neutral
operation



Reduces hard
repetitive work



FarmDroid FD20

TECHNICAL SPECIFICATIONS



Model name	FD 20
Working width	Up to 3 metre
Recommended capacity	20 ha
Crops	Sugar beets, beetroots, onions, spinach, rapeseed, and different herbs*
Maximum speed highly automated mode	950 m/h
Maximum speed manual Mode	1100 m/h
Maximum recommended pitch for operation	8 % (Depending on soil type, wetness, and general properties)
Maximum recommended roll for operation	5 % (Depending on soil type, wetness, and general properties)
Seed box capacity	6 litres per seed box
Row distance	Configurable between 22,5-75 cm
Tool	Configurable with 4 to 8 active rows and 8 to 4 passive rows
Robot weight	900 kg incl. batteries
Max allowed extra weight	Max 4 x 35 kg
Max total robot weight	1050 kg
Operating temperature	0-40 celcius degree
Storage temperature	-10 to 50 celcius degree
Noise level	Below 60 dB (A)
General expected lifetime	More than 10 years for main components following professional maintenance

*More crops will be added on a continuous basis

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