






DEWULF ZK
2- OR 3-ROW
SELF-PROPELLED
TOP LIFTING HARVESTER

 Soil cultivation

 Planting

 Harvesting

 Grading

 Storage

REVOLUTIONARY IN ITS CLASS

As carrot grower or agricultural contractor, you are faced daily with ever stricter requirements, that are placed upon you by the consumer. The marketing of quality products and the ability to deliver these on time is of crucial importance to ensure that the competition do not get the upper hand. In order to meet the high expectations placed upon you, you expect the same from your carrot harvester. You need a **RELIABLE** machine that can withstand the toughest of conditions, and in the most **ECONOMICAL** way. No other harvester can exceed these expectations like a Dewulf harvester.



PURE CRAFTSMANSHIP

The 1960s were the turning point for the way in which carrots were harvested. The arrival of the first Dewulf top lifting harvester set new standards in quality and capacity. The philosophy of **INNOVATION** and striving towards constant improvements in the production process resulted, in a huge expansion of exports in the mid-1960s. A revolutionary step was the introduction of the first self-propelled top lifting harvesters in the early 1970s.

These days, Dewulf provides a wide range of top lifting harvesters, in order to have a suitable solution for every situation.

HIGH QUALITY

Harvesting with the self-propelled top lifting harvester is sublime thanks to a simple operation which allows the driver to fully concentrate on harvesting. The ZK models are made from high-quality, wear-resistant standard components, available everywhere and simple to replace. Less maintenance and the increased productivity make the harvest **ENJOYABLE** during the most demanding time of the year.

A PERFECT TOPPING RESULT STARTS WITH THE INTAKE

An accurate cutting result depends very much on the moment when the carrots can be harvested. For this, the carrots have to be suspended uniformly and accurately in the harvesting belt unit. The **'Floating Shares'** are unique, in that each harvesting element has an independent depth control for its harvesting share, whereby maximum stability is guaranteed, even at higher harvesting speeds. Small up-and-down movements of the harvesting element do not have any influence on the position of the share arms.

FLOATING SHARE

HARVESTING BELTS

With the super-grip profile harvesting belts, Dewulf gives a new dimension to capacity, cleaning and product friendliness. Thanks to the large-sized belts, a larger capacity is achieved and harvesting can continue as conditions become more intense. A low inclination angle ensures a smooth and gentle crop intake. Drive pulleys with a large diameter, (optional rotary) belt cleaners and automatic belt tensioners guarantee continuity under the roughest conditions. The speed of the harvesting belts and cutters are proportionally adjustable and reversible from the cabin.



TORPEDOES

The 2 hydraulically driven rotary torpedoes per harvesting element ensure an accurate intake of the haulm. If you, as a driver, want to concentrate better on the actual harvesting process, you can opt for DAS (Dewulf Automatic Steering). ADC (Automatic Depth Control) is standard.



CLEANING BELOW THE HARVESTING BELTS

Hydraulically-driven rotary cleaners if more intensive cleaning is required. (optional)



QUICK RELEASE SYSTEM

With one handle per harvesting element, all related tensioning rollers are tightened or loosened. This makes it also much easier to replace a harvesting belt or remove blockages. (optional)

DEWULF ZKIIS

The ZKIIS harvester is a 2-row self-propelled top lifting harvester. Depending on the logistics, it is possible to harvest 3 - 4 hectares a day under all circumstances and with a quality end product. After the cutters set, the product is transported by a 800 mm wide cross conveyor into the discharge elevator. The speed of this conveyor is adjustable from the cabin.



TECHNICAL DATA

Number of rows	2
Length harvesting belts	14 000 mm
Hedgehog unit	No
Length	8286 mm
Width	3290 mm
Height	3942 mm
Weight	13 500 kg

The ZKIIS can be delivered with 2 extra harvesting shares for red beet or celery root.

DEWULF ZKIISE

Also with the ZKIISE, a 2-row self-propelled top lifting harvester with hedgehog unit, you are able to harvest 3 - 4 hectares a day. After the cutters set, the product is transported by a 800 mm wide cross conveyor. Thanks to the huge hedgehog unit, you have a completely clean product straight from the field. At the end of the discharge conveyor is a distributor installed, which ensures an equally distribution over the discharge elevator.



TECHNICAL DATA

Number of rows	2
Length harvesting belts	14 000 mm
Hedgehog unit	Yes
Length	9043 mm
Width	3290 mm
Height	3942 mm
Weight	13 900 kg

The ZKIISE can be delivered with 2 extra harvesting shares for red beet or celery root.

DEWULF ZKIIISE

The ZKIIISE is a 3-row self-propelled top lifting harvester with hedgehog unit which combines power and efficiency to deliver a quality end product. With the ZKIIISE, you are able to harvest 4 - 5 hectares a day. After the cutters set, the product is transported by a 800 mm wide cross conveyor. Thanks to the huge hedgehog unit, you have a completely clean product straight from the field. At the end of the discharge conveyor is a distributor installed, which ensures an equally distribution over the discharge elevator.



TECHNICAL DATA

Number of rows	3
Length harvesting belts	14 000 mm
Hedgehog unit	Yes
Length	9043 mm
Width	4127 mm
Height	3942 mm
Weight	15 500 kg

The ZKIIISE can be delivered with 3 extra harvesting shares for red beet or celery root.

GENTLE CROP HANDLING

The 1200 mm wide discharge elevator is your guarantee for unprecedented capacity and product-friendliness. The discharge elevator is placed in such a way that the product is spread optimally across the entire width of the elevator. Thanks to the long harvesting belts, the discharge elevator is also attached higher on the chassis. The product is therefore transported up at a significantly lower angle, ensuring that no product falls back. Combined with a large drive sprocket on the end, a highly product-friendly transport can be realised under all conditions.



In order to harvest in an extra product-friendly manner, it is possible to have an optional hydraulically-adjustable fall breaker (C), a loading chute (A + B) or a container loader (D) (only for the ZKIIIs) at the end of the discharge elevator.



THE HEART OF A DEWULF TOP LIFTING HARVESTER

Dewulf harvesters are equipped with the best cutters sets in the market. Whenever moving parts are exposed to dirt and liquid, excessive wear will be the result. That is why Dewulf ensures the bearings of each cutters sets hermetically sealed through a **'Labyrinth Sealing'**. This provides the highest degree of durability in the market, whereby even the smallest dust particles and aggressive plant fluids cannot gain access to the bearings. Routine maintenance is kept to a minimum. Two lubrication nipples per bearing housing lubricate all bearings through a central grease opening. Two lubrication nipples ensure that there is always one lubrication nipple available to lubricate manually.

The 6-cutter sets are driven by a maintenance-free **'Gearbox Drive'**. In contrast to conventional chain drive systems with a chain tensioner, two heavy-duty pinions ensure a perfect synchronisation of the two cutters sets. As a result, the tops of the carrots remain undamaged and the cutters last longer.

Foreign objects such as wood will not obstruct the harvesting process, as the cutters are spring loaded, and thus always return to their original position. The two 6-cutters sets ensure an optimal topping result. Also the cutters are as standard sharp on both sides, so reversing the direction of the drive can clear blockages.



AUTOMATIC LUBRICATION SYSTEM

The automatic lubrication system (option) is your guarantee for a perfect lubrication of the bearing housings of the cutters, everywhere and at all times. You can therefore use your time optimally throughout the season.



HEDGEHOG UNIT

The hedgehog unit removes earth from the crop and the rest of the earth from the product flow. In order to meet a variety of conditions, this can be adjusted in inclination and speed. The large contact surface area (1000x1680 mm) of the hedgehog belt guarantees an unsurpassed cleaning capacity.



SHARE ARM PROTECTION

If you are confronted with stony conditions, Dewulf has created an optional protective feature with a spring between the share arm and the chassis.



HYDRAULICALLY DRIVEN ROLLERS

1 roller below each cutters set (to avoid loss of carrots) + 1 entrance roller of the haulm cover (to avoid haulm accumulation on the frame of the cross conveyor). An optional hydraulically driven entrance roller of the cross conveyor is possible.



A WORK ENVIRONMENT IN WHICH YOU FEEL AT HOME

With the roomy new Claas cabin, Dewulf has created an **ENJOYABLE** working environment focused on the driver. Comfort and ergonomics has been given a new meaning. Due to an excellent view on the harvesting elements, the driving experience is sublime. The control via the joystick, harvesting control-unit and drive control-unit allow the driver to operate the machine easily and comfortably. All controls have been placed close together to allow easy, convenient operation.

The specially designed ergonomic joystick is very comfortable in the hand and is easy to operate with a minimum of hand movements. The joystick has 20 buttons, so that sufficient functions can be operated directly. Furthermore, it is possible to link various harvesting adjustments in 5 configurable pre-sets. This way, you change the complete setting of the machine with a single press of a button.

TECHNICAL DATA

• standard o optional - not possible

	ZKIIS	ZKIISE	ZKIIISE
Number of rows	2	2	3
Length harvesting belts [mm]	14 000	14 000	14 000
Share arm protection	o	o	o
Cutters	6-cutter set with flat cutters, each bearing housing has two lubrication nipples and labyrinth sealing. Hydraulically driven, synchronisation of the cutters is ensured by a closed gearbox.		
Automatic greasing system for cutters set	o	o	o
Hydraulically driven rollers: 1 below each cutter set + 1 entrance roller of the haulm cover	•	•	•
Hydraulically driven entrance roller of the cross conveyer	o	o	o
2 hydraulically driven rotary torpedoes per element	•	•	•
DPC (Dewulf Position Control)	o	o	o
DSC (Dewulf Synchronisation Control)	•	•	•
ADC (Automatic Depth Control)	•	•	•
DAS (Dewulf Automatic Steering)	o	o	o
Automatic hydraulic belt tensioners	•	•	•
Rotary belt cleaners at the end of the harvesting element	o	o	o
CLEANING			
Rotary cleaners below the harvesting belts	o	o	o
Hedgehog unit (1000 x 1680 mm)	-	•	•
Hydraulic duo agitator in cross conveyer	o	o	o
ELEVATOR			
Width [mm]	1200	1200	1200
Discharge height [mm] min/max	1000/4000	1500/4000	1500/4000
Fall breaker or loading chute at the end of the discharge elevator	o	o	o
Container loader at the end of discharge elevator	o	-	-
ENGINE			
Type	Scania DC9 85A Tier IV Final (ad blue) with cooler - 257 kW (350 HP)		
WHEEL SET-UP			
Front: Mitas 2 x 625 420/85 R38 / Rear L + R: Mitas 2 x 625 420/85 R38	•	•	•
Front: Mitas 2 x 750 300/95 R46 / Rear L: Mitas 2 x 750 300/95 R46 / Rear R: Mitas 2 x 625 460/85 R38	o	o	-
Front: Mitas 2 x 625 420/85 R38 / Rear L + R: triangular Zuidberg track (width: 760 mm)	o	o	o
Front and rear L + R: triangular Zuidberg track (width: 760 mm)	o	o	o