

# Avanti + Winflex Draper Platform Grain Harvester/Collector



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#### THE NEXT STEP IN GRAIN AND SEED HARVESTING

Agricultural automation, higher harvest performance and cleaning efficiency, excellence in grain and seed quality, operational versatility with MULTICROP® – Peanut, Bean, Soy, and Corn.

- PREMIUM CAB: Best cabin on the market, superior ergonomics, high visibility, low noise, air conditioning.
- DIGITAL MONITORING: Monitor with AG CAM indicators, enhanced real-time harvest management, real-time operational management,

operational information management, maintenance, and precision farming.

- **TURBINES:** Better airflow and cleaning, reduced maintenance time, and ease of servicing.
- **SOFT FLOW – AVANTI HARVESTING SYSTEM:** Superior grain and seed quality, increased processing capacity, MULTICROP configurations.
- **TRANSPORT SYSTEM:** Improved transport and logistics agility, conveyor belt, reduced grain damage.
- **SENSORS (NEW):** Faster soil reading (ground tracker) and better slope reading.
- **BEAN PLATFORM:** Higher collection capacity, pantographic system.
- **CHOPPER:** New choppers equipped with knives/counter-knives.



## Technical Characteristics

### Technical Details

MODEL	WINFLEX DRAPER CW40
Coupling Equipment	Self-propelled Harvester
Cutting System	Flexible Cutting Bar

Cutting Blades	3"
Cutting Drive System	Knife Box
Drive	Mechanical

## Reel

<b>MODEL</b>	<b>WINFLEX DRAPER CW40</b>
*Speed	1 to 160 rpm
Reel Drive	Hydraulic
Finger Type	Flexible
Number of Fingers per Bar	43 fingers
Number of Bars	12 bars

## Dimensions and Weight

<b>MODEL</b>	<b>AVANTI HARVESTER</b>
Length without platform	8,800 mm
Width without platform	4,500 mm
Total height	5,000 mm
Weight without platform	18,000 kg
<b>MODEL</b>	<b>WINFLEX DRAPER CW40</b>
Height	2,100 mm
Equipment width	12,800 mm
Working width	12,000 mm
Weight	5,200 kg

## Feeding System (Considered as Feeder)

<b>MODEL</b>	<b>AVANTI HARVESTER</b>
Feeding System Type	Chain + Rubber Cleats
Speed	Variable
Reversal System	Yes
Width	1772 mm (feeder)

## Threshing System

MODEL	AVANTI HARVESTER
System	Low Impact Axial Flow
Number of Rotors	2
Length	4157 mm
Rotor Diameter	298 mm
Speed (rpm)	Variable
Reversal System	Yes
Concave Type	Peanut – Corn – Soy – Beans

## Separation Screen - Vibrating Screen

MODEL	AVANTI HARVESTER
Screen Area – Vibrating	4 m <sup>2</sup> per screen – total 8 m <sup>2</sup>
Length – Vibrating	4157 mm
Width – Vibrating	980 mm per screen – total 1960 mm
Perforation	Shell (peanut) – Shell + Ø5 mm (grains)

## Suction Turbine

MODEL	AVANTI HARVESTER
Rotation Speed (rpm)	Variable
Number of Turbines – Diameter	2 – 680 mm

## Flow Sieve

MODEL	AVANTI HARVESTER
Flow Sieve Area	0.8 m <sup>2</sup> per sieve – total 1.6 m <sup>2</sup>
Length	792 mm
Width	976 per sieve – total 1952 mm
Perforation	50x60 mm (peanuts) / Ø18 (corn) / Ø14 and 8x30 (soybeans) / Ø18 and 10x30 (beans)

## Bucket Elevator

MODEL	AVANTI HARVESTER
Number of elevators	2

Number of buckets	42 per elevator
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## Grain Tank

MODEL	AVANTI HARVESTER
Capacity (L)	11,000 Liters
Unloader length	7 meters
Discharge system	Side Discharge
Speed	Variable

## Engine

MODEL	AVANTI HARVESTER
Brand / Model	Cummins - QSL 9
Number of cylinders	6
Nominal power	366 hp - 2100 rpm
Maximum power	403 hp - 1900 rpm
Maximum torque	1574 N.m - 1500 rpm

## Transmission System and Shaft

MODEL	AVANTI HARVESTER
Type	Claas
Number of Gears	3 (hare and tortoise totaling 6)
Speed Range (km/h)	0 - 35 km/h