

## VECTOR 425 specifications

Headers		Grain bunker with unloading device	
Power Stream <sup>1</sup> Grain Header, m	5/6/7/9	Grain bunker capacity, liters	6,000
Float Stream Header with flexible cutterbar, m	5/6/7	Unloading speed (not less), l/s	50
Swa Pick 342/432 Windrow pickup, m	3.4/4.3	Unloading height, mm	3,500
Corn headers, rows	6/8	<b>Residue processing</b>	chopper-spreader with swather
Sunflower headers, rows	6/8	<b>Cab</b>	
Reel-to-ground speed synchronisation system	●	Comfort Cab II <sup>4</sup> set	●
<b>Level Glide<sup>2</sup> system</b>	●	Agrotronic remote monitoring system	○
Hydraulic multicoupler	●	<b>Chassis</b>	
Crop lifters	○	Transmission type	Hydraulic GST-112
Autohitch for cart	●	Transport speed, km/h	0–25
<b>Feeder house</b>		Front wheels tire size	28LR26 (620/70R30 for 3.5m width)
Feeder house	chain transporter	Rear wheels tire size	18,4R24 (480/70R24)
<b>Threshing</b>		Turning radius, mm	8,900
Threshing unit width, mm	1,200	<b>Engine</b>	
Drum diameter, mm	800	Manufacturer	Cummins/QSB 6.7 (Stage IV)/ B6.7 (Stage V)
Drum speed, rpm	420–945	Nominal power, kW/hp	168 (228) / 173 (232)
Built-in drum underdrive gearbox	○	Fuel tank capacity, liters	510
Drum rotational speed with underdrive gearbox, rpm	200–450	Fuel consumption control system	●
Concave coverage angle, degrees	130	<b>Air compressor</b>	●
Concave area, sq. m.	1.10	<b>Dimensions and mass</b>	
Concave adjustment	Electrical drive controlled from the cab	Length/width/height (without header in transport position), mm	8,557/3,560 (3,500)/3,912
<b>Jam Control<sup>3</sup> device</b>	●	Weight (basic model with chopper, without header, no fuel), kg	11,390 ± 340
Number of straw walkers	4		
Straw walker area, sq. m.	5.00		
Area of sieves, sq. m.	3.59		
Fan speed, rpm	380–1,085		
Autonomous rotary type finish-threshing device	●		

● – standard, ○ – option

<sup>1</sup> **Power Stream** – universal grain header with increased table, hydraulic reel drive, reaping parts reverse controlled from cabin, reel speed synchronization with the harvester moving speed.

<sup>2</sup> **Level Glide** – spring cushion terrain control in longitudinal and lateral directions.

<sup>3</sup> **Jam control** – system which eliminates the crop flow drum blockage by concave deep release.

<sup>4</sup> **Comfort Cab II** – leaf-spring equipped, pressurized, double-seat cabin with audio system (ready to install), reinforced noise insulation, equipped with air conditioner, heater and cooling box.

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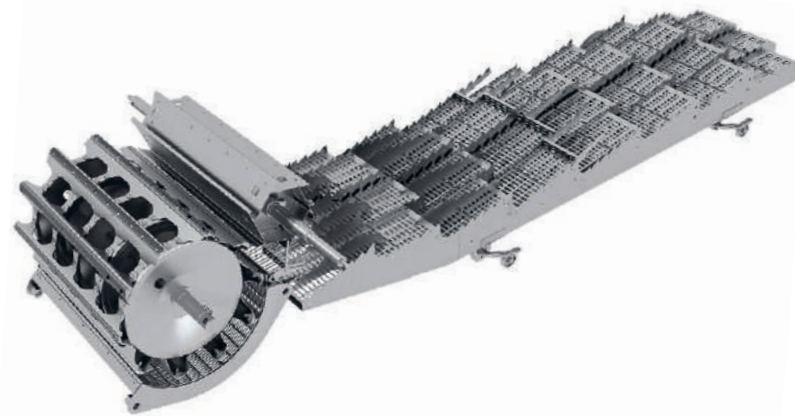
# Combine Harvester VECTOR 425



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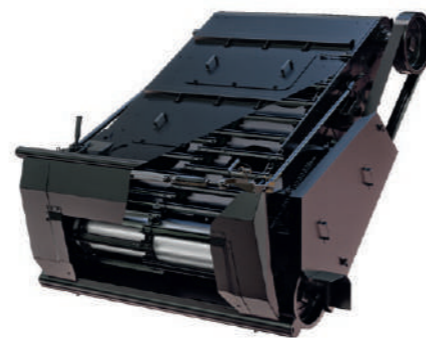
**1. Power Stream header**

Power Stream header guarantees improved performance by reducing losses and optimal crop gain. This header proved in practice that due to its original cutter-bar with a planetary drive minimizes shattering losses and ensures consistent uniform feeding whatever harvesting conditions may be. The reel hydraulic drive featuring a synchrodrive automatically adjusts the reel speed to match the ground speed.



**2. Extended feeder house**

The new **extended feeder house** has several advantages: a better view of the cutting device, more simple operation for harvesting row crops due to the absence of the intake beater, and a possibility to work with wide angle adapters (for example, 8-row maize header). Hydraulic multicoupler provides fast and easy header attach.



**7. Comfort Cab II cabin with Adviser III information system**

VECTOR 425 has the Comfort Cab II which was designed for long operating days. A large glass panoramic screens create an excellent view of the header during harvesting. A standard training seat, cooler, air-conditioner and sun visor are incorporated for the operator comfort. Information system Adviser III with voice notification controls all main elements to ensure the best productivity.



**3. 800mm drum and conventional straw walker**

800 mm main drum (largest in the world) and huge concave doubled with four straw walkers (seven steps per walker) provides the best separation of any crops. Autonomous rethresher will care about losses. Specially selected walkers shaft provides maximum separation by its unique shape.

**4. Autonomous final threshing device**

Usage of rotor type autonomous final threshing device improves threshing and also reduces the load on the main drum. Thus, the harvester high capacity is provided.

**5. Effective cleaning**

Double-sieved cleaning is used for finest result. Huge gap between finger-equipped preparation sieve and upper sieve substantially improves the main process. Total sieve area comprises 3.59 sq.m. Upper sieve has a technology of "waiving" – combs have different sizes. This patented decision provides more uniform distribution of air flow and prevents sticking of high-awn ears on sieves. The cleaning system uses six-blade fan. Fan speed is regulated from the cabin and displayed on the control panel.

**6. Large grain bunker 6 000 L**

High-speed unloading device allows to discharge the whole bunker for 2 minutes. For the purpose of wet grain unloading, hydraulic pulsators are installed to exclude the hanging up of the grain.



**9. New chopper – spreader**

Classical threshing and separation system of VECTOR does not damage the straw. The straw can be chopped and spread or laid into the swath. Integrated unit provides thorough straw chopping and uniform distribution over the field surface at the header width as a fertilizer. Chopper's knives with wear-resistant edges are installed with self-sharpening feature.



**10. Easy for service and maintenance**

Air compressor with 110 L receiver saves enough time for daily maintenance, especially in field conditions when the service support is not available. In order to reduce maintenance labor hours, the harvester could be optionally equipped with centralized lubricating system, which supplies more than 30 points.



**8. Cummins engine 228 hp**

VECTOR is equipped with Cummins QSB 6.7 (Stage IV) turbo-diesel engine, L6, displacement 6.7 L, 228 hp (168 kW at 2000 RPM). Operator can control engine RPM easily with button-type switch from the cabin control panel. Torque reserve is up to 20%. Engine electronics fully controls its operation and supplies the fuel amount required by harvester's load (minimum fuel consumption is obtained). The specific fuel consumption has been reduced for 3% in comparison with Stage IIIB engine.