

Quantum Pro Plot combine.

The new dimension!



The new Quantum Pro is a plot combine for maximum performance and meets all the requirements of today's field research needs.

The Quantum Pro is modular in design and features all the innovative solutions of the Quantum plot combine. The combine sets new standards in terms of throughput, header widths, grain tank volumes, stability, user-friendliness, and grain logistics.

Your benefits summed up:

- Powerful machine for nursery and yield trials as well as seed increases with 85 kW / 115 HP
- Big tires ensure maximum stability and traction as well as minimal soil disturbance during harvesting
- Stress-free working thanks to an advanced operating concept
 - Optimal layout and low noise levels in the cab
 - Excellent ergonomics provide a stress-free work for the driver and operator
 - Intuitive driver assistance system with fully automatic sequence control for 100 % repeatability when harvesting and therefore better comparison of results
- Maximum operating efficiency
 - OptiFlow cereals header and high-performance threshing unit for optimized material flow
 - Powerful cleaning system provided by a double axial fan with optimized air flow
 - Maximum level of sample purity resulting from patented post-cleaning system
 - Big range due to low fuel consumption and large grain tank volume, up to 1700 liters (48 bu)
 - Sturdy construction and low maintenance costs
 - 0 – 25 km/h driving speed
- High-performance grain logistics
 - Minimal cycle times (< 20 sec. for 6 m plots incl. sampling)
 - Representative sampling: Volume and time-controlled from 0 – 20 l with maximum repeatability
 - Integrated sampling and bagging system behind the cab with sample conveyor belt
- Precise data collection technologies
 - Powerful HarvestMaster weighing systems (H2 Classic, W1 and W1 Plus)
 - Integrated NIRS data collection with time-controlled dosing slide
- Well suited for multiple crops
 - Changing the cutting unit and concave takes no more than a couple of minutes
 - Sieves and shakers are interchangeable
- Wide range of headers
 - 2-row corn and sunflower headers with different row spacing and chopper models
 - Platform headers in widths 125 – 200 cm (49" – 78")
 - Row crop header for 2 rows, using John Deere picking elements

Quantum Pro

Figures. Data. Facts.

Technical data

Basic machine/engine	
Deutz 3.6 l diesel engine	TCD 3.6 L4
Emission standard	Level 5, EPA certified, LRC
No. of cylinders	4 in series (water-cooled)
Nom. rating	85 kW / 115 HP
Max. torque	500 Nm
Diesel tank capacity	150 l (40 gal)
AdBlue tank capacity	10 l (3 gal)
Ground drive and tires	
Hydrostatic ground drive	2 stages: Infinitely adjustable 0 – 12 km/h and infinitely adjustable 0 – 25 km/h
Steering	Hydraulic
Front tires (standard)	340/80 R20
Front track width (standard)	1532 mm (60")
Rear tires (standard)	10/75-15.3
Rear track width (standard)	1464 mm (58")
Ground clearance	Approx. 370 mm (14"), 340 mm rear axle (13")
Wheel base	2926 mm (115")
Turning radius diameter	10.5 m (413")
Cutting units and accessories	
Header	1250 mm (49"), 1500 mm (59"), 1750 mm (69"), 2000 mm (78")
Reel	Optionally 4-part or 5-part
Cutting height	30 mm – 1095 mm (1.2" – 43")
Cutting height adjustment	Hydraulic with angle sensor
Horizontal reel adjustment	Hydraulic or mechanical with angle sensor
Picking header	2-row corn header with different row spacing and chopper models
Side cutting assembly for rapeseed	Left, right hydraulic
Grain collection and transport	
Bagging	Side mounted or in the cab
Volume-defined sampling	In the cab from 200 – 2000 ml
Time-defined sampling	100 ml – 20 l
Grain tank	1500 (40 bu) or 1700 l (48 bu)
Grain tank emptying speed	10 l/sec.
Grain flow monitoring	Radar sensors in the conveying lines
Overhead loading height	3600 mm (11'8")
Threshing and cleaning	
Concave	10 concave bars
Threshing drum	6 beater bars
Concave wrap angle	117°
Separating area	0.35 m ²
Concave adjustment	Hydraulically from the cab
Threshing drum diameter	400 mm (15.75")
Threshing drum width	800 mm (31.5")
Threshing drum speed	240 – 1680 rpm, infinitely adjustable
Shaker	Cleaning area 1.5 m ² (16 sqft) + short preparation floor
Cleaning sieve	Cleaning area double sieve: 1.5 m ² (16 sqft), gross 1.6 m ² (17 sqft)
Cab	
Noise level	76 dB(A)
Steering column	Height and tilt adjustable
Certification	TOPS-tested in conformity with EN 13531
Air conditioning system	8 kW

Operation and sequence control	
Operating display	Color display with intuitive operation
Sequence control	Fully-automatic sequence control with STOP-GO, cutting unit and sieve cleaning, weighing and sampling control
Options	
All-wheel drive	4WD with longitudinal and transverse differential lock (front and rear axle)
Integrated sample storage system	For 5 boxes (300 x 400 mm), maximum box size 400 x 600 mm; also suitable for storing bags (ca. 150 l)
Weighing systems	HarvestMaster H2 Classic, WINTERSTEIGER W1 and W1 Plus powered by HarvestMaster
Additional options	Side cutting assembly for rapeseed, sunflower attachment, NIRS system solution for crop analysis, straw chopper, grinder, road permit, row crop header, grain loss display, working lights, camera systems. Other options available on request.
Specifications	
Length incl. header	Max. 7330 mm (289") with straw chopper and outer divider fitted
Height	3200 mm (126") without revolving warning beacon
Width of basic machine	1620 mm (64")
Cab width	1800 mm (71"), 1880 mm cab roof (74")
Weight	5900 kg (13000 lbs) top equipment incl. header

We reserve the right to make technical modifications.

