

Quantum Pro

The new dimension

The Quantum Pro is the most powerful machine in WINTERSTEIGER's single plot combine line up. It was developed together with market leading corn and soybean research companies to meet their goals for handling high yielding corn and soybean varieties. The visionary design of this machine provides a strong base for all upcoming challenges in the row crop research.

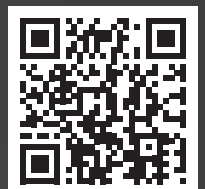
On top off all Quantum Core and Quantum Plus features, the Quantum Pro sets new standards in terms of performance, header widths, grain tank size and stability. This machine is the highest trim level within the Quantum combine family.

Due to the wide headers and huge grain tank, the Quantum Pro makes a perfect fit for seed multiplications and foundation seed operations as well. Its smart and modular design makes cleaning the machine easier than ever, to meet purity standards.

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
- Maximum operating efficiency
- High-performance grain logistics
- Precise data collection technologies
- Well suited for multiple crops
- Wide range of headers



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	85kW / 115HP
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 tire variants	Standard	Terra
Type	340/80-R20	405/70-R20
Tire width	343 mm (14")	405 mm (16")
Track width	1532 mm (61")	1552 mm (62")
External wheel width	1875 mm (75")	1957 mm (78")
Rear tire variants	Standard	Terra
Type	10/75-15.3	320/55-15
Tire width	264 mm (10.5")	315 mm (12.5")
Track width	1468 mm (58.5")	1488 mm (59")
External wheel width	1732 mm (69")	1803 mm (72")
Ground clearance	Approx. 370 mm (14"), 340 mm rear axle (13")	
Wheel base	2926 mm (115")	
Turning circle 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 cabin
Volume-defined sampling	In the cabin 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 3600 mm (11'8")
Overhead loading height	3600 mm

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 cabin
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) Cleaning area single sieve: 0.75 m ² (8 sqft), gross 0.8 m ² (8.65 sqft)

Cabin

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

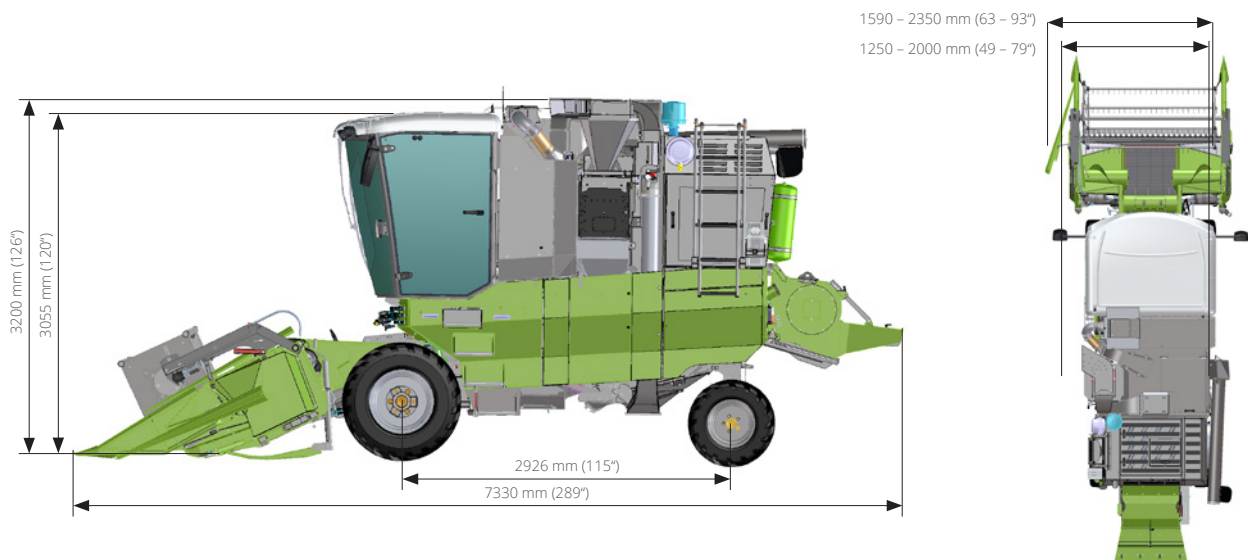
Options

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")
Cabin width	1800 mm (71"), 1880 mm cabin roof (74")
Weight	5900 kg (13000 lbs) top equipment incl. header

We reserve the right to make technical modifications.



Quantum family

Featuring a modular design, the Quantum Combine Family consists of three different models, all sharing the same Quantum Technology. Designed with the user in mind, these combines set new benchmarks in terms of throughput, user-friendliness, and seed handling.

	Quantum Core	Quantum Plus	Quantum Pro
Small seeds	++	++	++
Row crops	+	+	++
Harvesting speed	+	+	++
Operator comfort	+	++	++
Driver assistance systems	+	++	++
Available options	0	+	++
Engine Power	55 kW / 75 PS	55 kW / 75 PS	85 kW / 115 PS
Grain tank volume	1100 l / 30 bu	1100 l / 30 bu	1700 l / 48 bu
Ground clearance	250 mm / 10"	250 mm / 10"	370 mm / 14"
Driving speed	17 km/h / 10.5 mph	25 km/h / 16 mph	25 km/h / 16 mph
Half track system	N/A	YES	YES

o = good / + = better / ++ = best

