

Quantum Core

# Your entry in modern field trial technology

The Quantum Core builds the foundation in the high end Quantum product line - developed by WINTERSTEIGER to meet the increasingly demanding challenges of state-of-the-art field research. This combine was designed to provide access to Quantum technology for a more limited budget. Uses range from nursery to yield trial plots.



## Your benefits summed up:

- Stress-free working thanks to an advanced operating concept
- Powerful machine for breeding and crop variety trials
- Headers with OptiFlow™ technology for maximum performance
- High-performance grain logistics



# Technical data

## Basic machine engine

DEUTZ 2.9 l Diesel engine	55 kW (75HP), 4 cylinder, water cooled
Torque	260 Nm
Fuel tank capacity, Range	100 l, Ca. 12 hours in harvesting mode

## Ground drive & tires

Hydraulic ground drive	2-stage: infinitely adjustable 0 - 12 km/h and 0 - 17 km/h with standard tires			
Steering	Hydraulic			
Front tire variants	<b>For center row threshing</b>	<b>Standard</b>	<b>Standard wide</b>	<b>Terra</b>
Type	250/80-18	285/80-R16	285/80-R16	400/55-17.5
Tire width	240 mm (9,5")	298 mm (11.75")	298 mm (11.75")	400 mm (15.75")
Track width	1200 mm (48")	1271 mm (50")	1401 mm (55")	1371 mm (54")
External wheel width	1440 mm (57")	1569 mm (62")	1699 mm (67")	1771 mm (70")
Rear tire variants	<b>For center row threshing</b>	<b>Standard</b>	<b>Standard wide</b>	<b>Terra</b>
Type	6.5/80-12	23x8.5-12	23x8.5-12	26x12-12
Tire width	165 mm (6.5")	211 mm (8.5")	211 mm (8.5")	308 mm (12")
Track width	1163 mm (46")	1192 mm (47")	1192 mm (47")	1292 mm (51")
External wheel width	1328 mm (53")	1403 mm (55")	1403 mm (55")	1600 mm (63")
Ground clearance, Wheel base	250 mm (10"), 2600 mm (102")			
Turning circle diameter	9000 mm (354")			

## Header & accessoires

Header	1250 mm (49"), 1500 mm (59"), 1750 mm (69")
Cutting height adjustment	Hydraulic
Horizontal reel adjustment	Hydraulic
Reel, Reel speed	Optionally 4- or 5-part, 15 - 50 rpm
Cut height	Up to +1500 mm (41")
Corn header	2-row: 60 and 75 cm (other row spacing on request), optionally width chopper

## Grain collection & transport

Bagging	Side mounted or in the tab
Sampling	Stepless adjustable sample volume up to 20 kg
Grain flow monitoring	Radar sensors in the conveying lines as an option
Grain tank	700 or 1100 l (20 bu or 30 bu)
Grain tank emptying speed	10 l/s
Overhead loading height	3200 mm (10' 6")

## Treshing & cleaning

Concave	10 concave bars
Treshing drum	6 beater bars
Treshing drum diameter	400 mm (15.75")
Threshing drum width	800 mm (31.5")
Concave wrap angle	117°
Concave adjustment	Hydraulically from the cab
Concave area	0.35 m <sup>2</sup> (3.76 sqft)
Threshing drum speed	240 - 1680 rpm, infinitely adjustable
Shaker	Cleaning area 1.8 m <sup>2</sup> (19 sqft) + short preparation floor
Cleaning sieve	Cleaning area double sieve: 1.5 m <sup>2</sup> (16 sqft), gross 1.6 m <sup>2</sup> (17 sqft) Cleaning area single sieve: 0.75 m <sup>2</sup> (8 sqft), gross 0.8 m <sup>2</sup> (8.65 sqft)

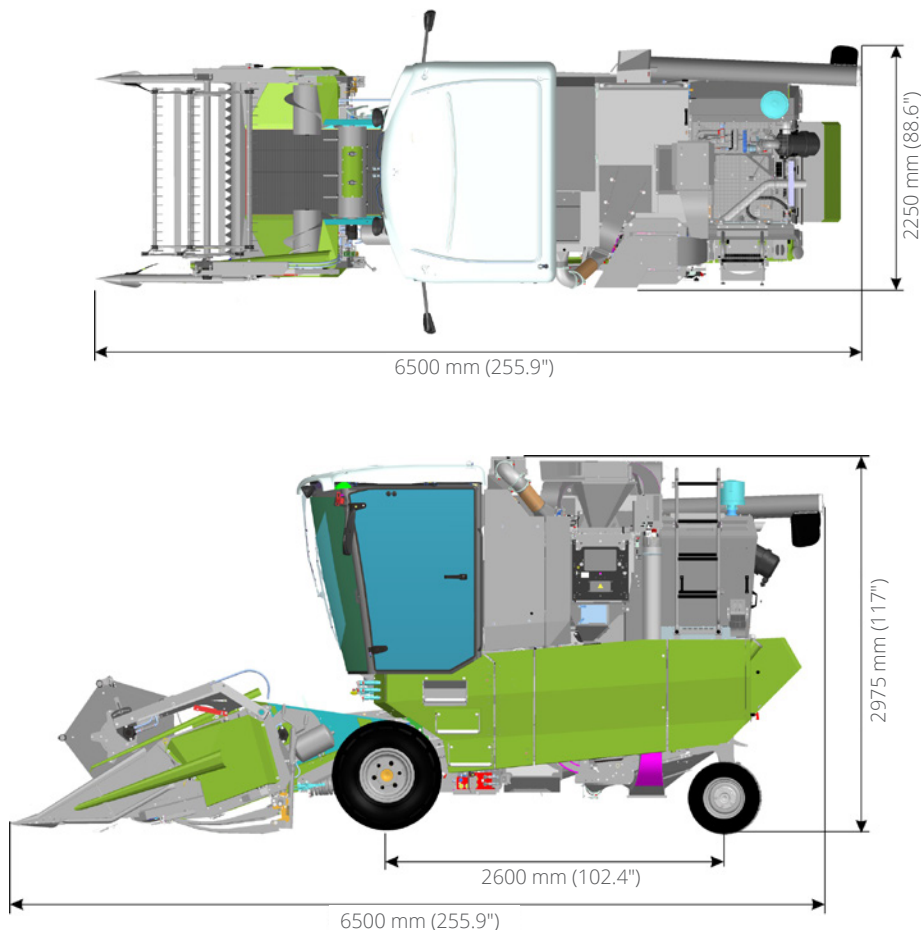
Cabin	
Noise level	80 dB(A)
Certification	Tested according to EN 13531
Steering column	Height and tilt adjustable
Air conditioning system	8,7 kw

Operating & sequence control	
Operating display	Color display with intuitive operator guidance
Sequence control	Automatic sequence control with header and sieve cleaning, weighing and sampling control

Options	
All-wheel-drive	Permanent 4 WD, permanent 4 WD with differential lock (lengthwise and crosswise)
Integr. sample storage system	For 5 boxes (300 x 400 mm), maximum box size 400 x 600 mm; also adjustable for storing bags (approx. 150 l)
Weighing systems	HarvestMaster H2 Classic, WINTERSTEIGER W1 and W1 Plus powered by HarvestMaster
Additional options	Sunflower equipment, straw chopper, road permit, row crop header, grain loss display, working lights, rear-view camera. Other options available on request.

Dimensions	
Dimensions	Length: starts at 5700 mm (225") incl. header with crop divider Width: starts at 1500 mm (59", center row threshing), max. 2250 mm (89") Height: 2975 mm (117")
Weight	Starts at 3900 kg (8600 lbs), incl. cab and 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	o	+	++
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

