

Quantum Plus

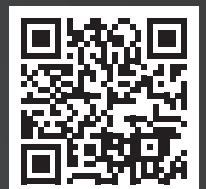
The new benchmark in field research equipment

The Quantum Plus is the all-round machine in the high end Quantum product line. It provides excellent results in all types of small seeds as well as corn and soybeans, to meet future needs and increasing demands in modern field research.



Your benefits summed up:

- Powerful machine for breeding and crop variety trials
- Stress-free working thanks to an advanced operating concept
- High-performance crop logistics
- Precise data collection technologies
- Well suited for multiple crops



Technical data

Basic machine/engine

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

Ground drive and tires

Hydrostatic ground drive	2-stage: infinitely adjustable 0 – 12 km/h and 0 – 25 km/h with standard tires			
Steering	Hydraulic			
Front tire variants	Center row threshing	Standard	Standard wide	Terra
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	Center row threshing	Standard	Standard wide	Terra
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 and accessories

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 +1050 mm (41")
Corn header	2-row: 60 and 75 cm (other row spacing on request), optionally with chopper

Grain collection and transport

Bagging	Side mounted or in the cab
Sampling	Dosing container 200 – 700 ml and/or 700 – 2000 ml, additional time-defined samples, single or double sample outlet in the cab
Grain flow monitoring	Radar sensors in the conveying lines
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")

Threshing and cleaning

Concave	10 concave bars
Threshing drum	6 beater bars
Threshing 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 ² (3.76 sqft)
Threshing drum speed	240 – 1680 U/min infinitely adjustable
Shaker	Cleaning area 1.8 m ² (19 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)
Certification	Tested according to EN 13531
Steering column	Height and tilt adjustable
Air-conditioning system	8 kw

Operation and sequence control

Operating display	Color display with intuitive operator guidance
Sequence control	Semi- or fully-automatic sequence control with STOP-GO, header and sieve cleaning, weighing and sampling control

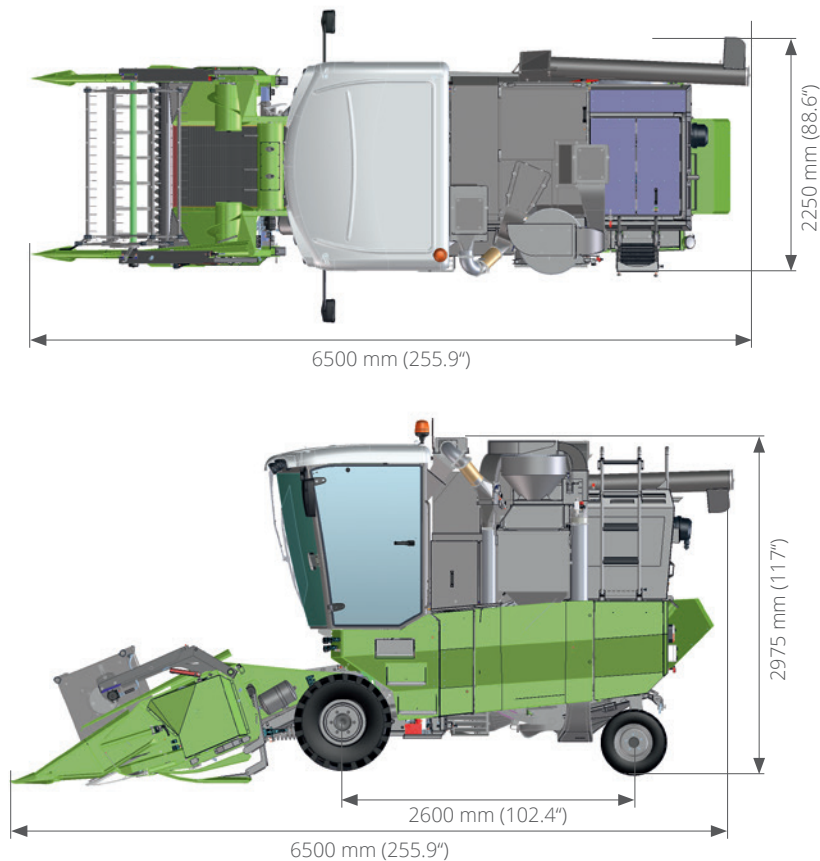
Options

All-wheel drive	4 WD with a longitudinal and transverse differential lock
Integrated sample storage system	For 5 boxes (300 x 400 mm), maximum box size 400 x 600 mm; also suitable for storing bags (approx. 150 l)
Weighing systems	HarvestMaster Classic GrainGage, HarvestMaster H2 Classic
Additional options	Sunflower equipment, NIR system solution, straw chopper, road permit, row crop header, roller mill, 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 treshing), max. 2250 mm (89") Height: 2975 mm (117")
Weight	Starts at 3950 kg (8700 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	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

0 = good / + = better / ++ = best

