



# TECHNICAL DATA



## HARVESTER H21<sup>D</sup>



### ENGINE

Type	JD 6090 HFC09, Power Tech PSS, Final Tier 4 /FT4)
Output at 1700 rpm	227 kW (305 hp)
Torque at 1500 rpm	1351 Nm (996 lb ft)
Cylinder volume	9.0 litres (549 in <sup>3</sup> )
Diesel tank	500 litres (132 US gal)
Additional diesel tank	225 litres (60 US gal)

### TRANSMISSION

Type	D5 controlled, hydrostatic/mechanical with full capacity control. 3 gear steps. Manual differential locks.
Tractive force	230 kN (51 700 lbs)
Speed, gear 1	0 - 4 km/h (0-2.5 mph)
Speed, gear 2	0 - 7.5 km/h (0-4.7 mph)
Speed, gear 3	0 - 22 km/h (0-13.7 mph)

### BRAKES

Type	Type Dual-circuit el/hydraulic controlled negative wet disc brakes. Automatic load brake. Spring-assisted parking and emergency brake.
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### WHEEL EQUIPMENT

6 WD	front 750/45 x 30,5, rear 700/70 x 34
8 WD	750/45 x 30,5

### CHASSIS

Type	Articulated frame
Steering angle	+/- 43°
Max. steering torque	106 kNm (78 180 lb ft)
Horizontal angle	+/- 24°

### HYDRAULIC SYSTEM

Type	Load-sensing system with double pumps, entirely separated from the transmission.
Pump capacity, loader	298 litres (79 US gal) /1700 rpm
Working pressure, loader	3.0 - 25.0 MPa (425 - 3625 psi)

Pump capacity, head	357 litres (94 US gal) /1700 rpm
Working pressure, head	3.0 - 30.0 MPa (425 - 4350 psi)
Degree of filtration	10 micron
Tank volume	217 litres (57 US gal)

### ELECTRICAL SYSTEM

Type	24 volt electrical system with CAN-bus technology.
Battery	2 x 145 Ah
Alterator	150 A
Machine control system	ROTTNE D5
Bucking system	ROTTNE Forester,
Display	15" colour touch screen combined for D5 and Forester
Working lights	22 pcs

### CAB

Type	Spacious, vibration-proof safety cab. ISO certified.
Noise level	65 dBA
Swivels	+/- 90°
Tilttable	15°, 14°, +/-11° (front, back, side)
Climate system	ACC

### LOADER

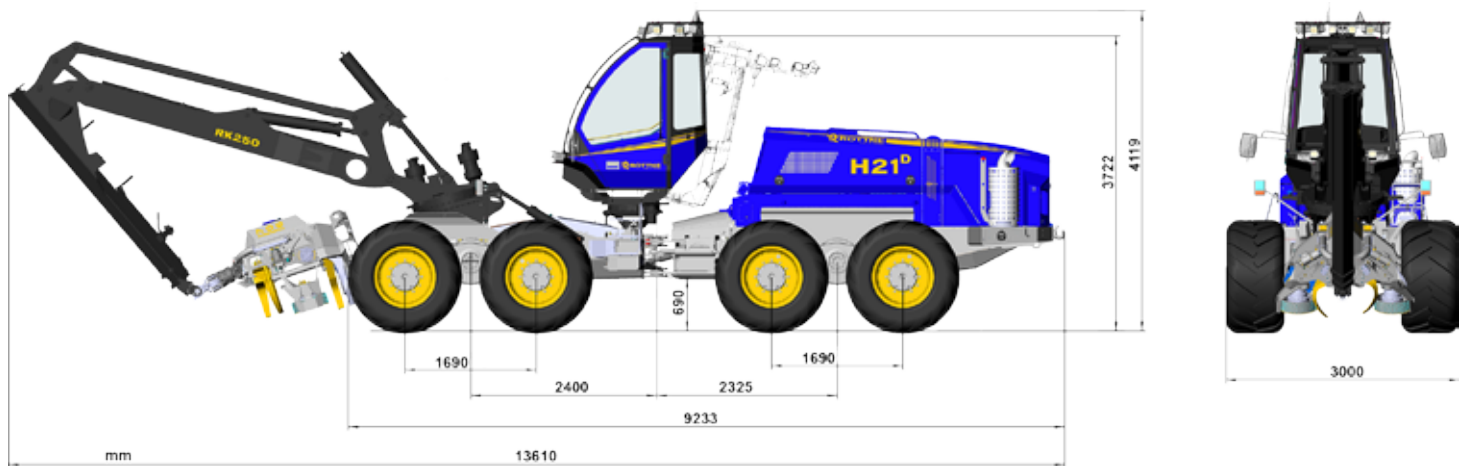
Type	Parallel knuckle boom loader, RK250, with tilttable swing base and 2.2 m (7.2 ft) telescope.
Tiltangle forwards	21°
Tiltangle backwards	20°
Lifting torque	325 kNm (239 700 lb ft)
Torque	62.4 kNm (46 020 lb ft)
Angle of rotation	250°
Reach	11 meters (36 ft)

### WEIGHT AND DIMENSIONS

Service weight 6 WD from	24 200 kg (51 600 lbs)
Service weight 8 WD from	26 700 kg (56 880 lbs)
Width	3 000 mm (118 in)
Length	9 233 mm (364 in)
Transportation height	3 722 mm (147 in)
Ground clearance (midjoint)	690 mm (27 in)

Specifications and equipment are subject to alteration.  
Images do not always show the machine in its standard design.





## EQUIPMENT

Lighting Xenon or LED, Sprinkler, Engine/cabheater, Blinds, Mobile telephone, Vacuum pump, Colour marking, Reversing camera, GPS/GeoInfo, Filler pumps, Green oil, Computer caliper, Colour printer, Balanced bogie system, Orbitrol steering, Air compressor, Full toolkit, Central lubrication, Tracks, Chains

## HARVESTER HEAD

Feed rollers

Feed rate, gear 1

Feed rate, gear 2

Tractive force 1

Tractive force 2

Wheel opening

Limbing diameter

Guide bar

Cutting diameter

Chain speed

Tilt angle

Width wheels closed

Width wheels opened

Height

Weight

Max tree size dbh\*

## EGS706

ROTTNE, short spike 12,5 mm (0.5 in)  
or long spike 20 mm (0.8 in)

3.5 m/s (11.5 ft/sec)

5.2 m/s (17 ft/sec)

37.1 kN (8 340 lbf)

24.8 kN (5 575 lbf)

796 mm (31 in)

50 - 570 mm (2 - 23 in)

900 mm (35 in)

680 - 810 mm (27 - 32 in)

40 - 45 m/sek (130 - 148 ft/sec)

145°

1 554 mm (61 in)

1 780 mm (70 in)

1 642 mm (65 in)

1 580 kg (3 480 lbs)

60 cm (24 in)

## SP761 LF

Finnskogsvälsar / Moipu

4 alt 5 m/s (13 alt 16.5 ft/sec) (Size of wheel motor)

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30.9 alt 44.7 kN (6 950 alt 10 050 lbf) (Size of wheel motor)

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700 mm (28 in)

40 - 550 mm (1.6 - 22 in)

900 mm (35 in)

750 mm (30 in)

40 m/sek (130 ft/sec)

135°

1 400 mm (56 in)

1 920 mm (76.8 in)

1 850 mm (74 in)

1 600 kg (3 527 lbs)

55 cm (22 in)



EGS706



SP761 LF



\* Diameter breast height

Contact your local dealer for more information. [www.rottne.com](http://www.rottne.com)

