

**AGRITECHNICA
2001**

Gold and silver glory
for John Deere innovations

2x Gold

- Active Seat
- Quad Link Suspension

5x Silver

- Grain Damage Sensor
- Feed Rate Control and Eccentric Rotor Separator
- JDLFK
- Combines with Rotary Intake (Kemper)
- 620S (with LandPeta Eurosoft)



TECHNOLOGY THAT PAYS

6020 Series

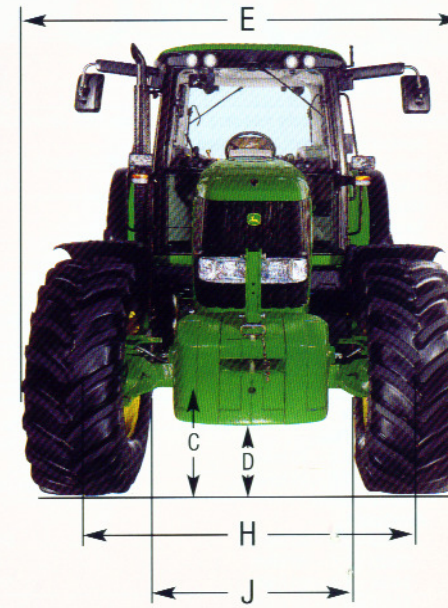
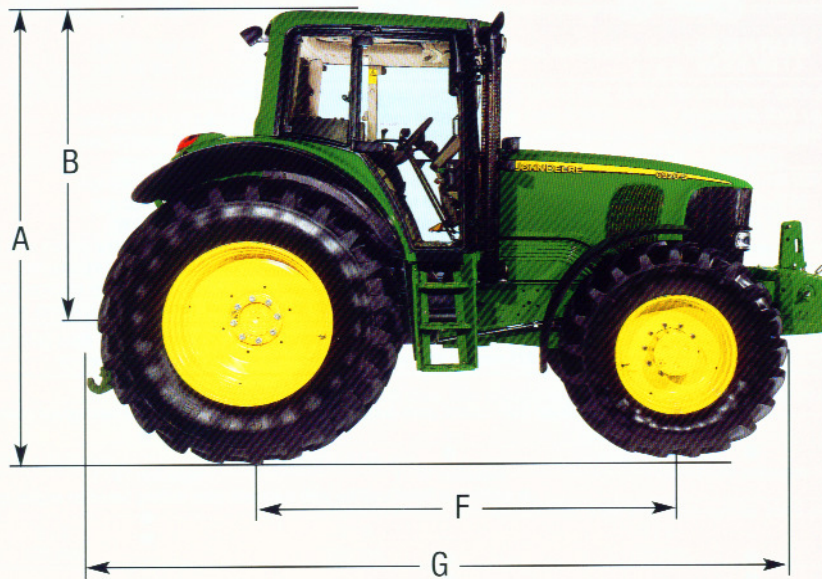


New John Deere 6 cylinder 110 to 160 hp Tractors

TRACTOR TECHNOLOGY THAT PAYS



JOHN DEERE



DIMENSIONS AND WEIGHTS

		6520	6620	6820	6920/6920S
DIMENSIONS					
A Overall height	mm	2858	2858	2906	2906
(with cab suspension in motion ± 50 mm)	mm	2858	2858	2906	2906
B Centre of rear axle to top of cab roof	mm	2008	2008	2048	2048
(with cab suspension in motion ± 50 mm)	mm	2008	2008	2048	2048
C 4WD Front ground clearance, off centre	mm	570	570	600	600
D 4WD Front ground clearance, centre	mm	520	520	549	549
E Overall width (front / rear)	mm	2220 / 2316	2220 / 2316	2275 / 2382	2275 / 2382
F Wheelbase 4WD	mm	2650	2650	2650	2650
G Overall length (with base weight)	mm	4728	4728	4758	4758
(front weights and draft links horizontal)	mm	5134	5134	5164	5164
H Front tread, min./max. (depending on tire)	mm	1618 / 2110	1618 / 2110	1618 / 2110	1618 / 2110
J Rear tread, min./max. (depending on tire)	mm	1558 / 2028	1558 / 2028	1558 / 2028	1558 / 2028
WEIGHT with cab					
Average shipping weight	kg	5080	5230	5580	5880
Max. permissible weight	kg	8500	9500	10500	11000
Payload	kg	3420	4270	4920	5120
Dimensions and weights above with tire sizes					
Front		420/70R	420/70R28	16.9R28	16.9R28
Rear		18.4R38	18.4R38	20.8R38	20.8R38

6520



6620



6820



6920



6920S

**ENGINE PERFORMANCE**

Power, ECE-R24 at rated speed (with fan)
Extra power

81 kW (110 hp)
4.1 kW (5.6 hp)

92 kW (125 hp)
4.6 kW (6.3 hp)

99 kW (135 hp)
5.0 kW (6.8 hp)

110 kW (150 hp)
5.5 kW (7.5 hp)

118 kW (160 hp)*
4.4 kW (6.0 hp)*

ENGINE

Number of cylinders / T / I / displacement
Bore / Stroke
Rated Speed
Max. torque at engine speed
Torque res / Constant power range
Fuel consumption at best point (factory observed)
Cooling
Fan
Fuel injection pump
Air cleaner

6 / - / - / 6788 ccm
106.5 mm/127 mm
2300 rpm
450 Nm / 1495 rpm
34 % / 460 rpm
217 g/kWh

6 / T / I / 6788 ccm
106.5 mm/127 mm
2300 rpm
543 Nm / 1495 rpm
40 % / 460 rpm
205 g/kWh

6 / T / I / 6788 ccm
106.5 mm/127 mm
2100 rpm
602 Nm / 1365 rpm
34 % / 420 rpm
205 g/kWh

6 / T / I / 6788 ccm
106.5 mm / 127 mm
2100 rpm
669 Nm / 1365 rpm
34 % / 420 rpm
207 g/kWh

6 / T / I / 6788 ccm
106.5 mm / 127 mm
2100 rpm
676 Nm / 1365 rpm
26 % / 420 rpm
205 g/kWh

..... Closed system - Dual Temperature Cooling system with expansion tank

..... Temperature controlled viscous fan

..... Mechanical governor

..... Fully electronic engine management

..... Dry type with safety element, permanent precleaning, service warning light

CLUTCH (Type)

Diameter / number of discs

225 mm / 3

225 mm / 4; 220 mm / 6

225 mm / 4; 220 mm / 9

225 mm / 5; 220 mm / 9

225 mm / 5; 220 mm / 9

TRANSMISSION

PowrQuad-Plus
20/20 - 2.5 - 40 km/h
24/24 - 1.6 - 40 km/h
12/12 Creeper

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reduction 10 : 1

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reduction 10 : 1

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reduction 10 : 1

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reduction 10 : 1

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reduction 10 : 1

..... Single lever control; push-buttons for 4 powershiftable gears; left hand power reverser with neutral position; speed matching

AutoQuad II
20/20 - 2.5 - 40 km/h
20/20 - 2.5 - 50 km/h
24/24 - 1.6 - 40 km/h
24/24 - 2.0 - 50 km/h
12/12 Creeper

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reduction 10 : 1

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reduction 10 : 1

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reduction 10 : 1

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reduction 10 : 1

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reduction 10 : 1

..... In addition to PowrQuadPlus with automatic gear shifting based on engine rpm and load; Power and Eco mode

Cruise Control

AutoPowr
stepless 0.05 - 40 km/h
stepless 0.05 - 50 km/h

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..... Constant engine rpm to maintain steady field and PTO speed

..... Seamless variable transmission with fully electronic engine and transmission management

..... Constant engine rpm to maintain steady field and PTO speeds

PTO - REAR with remote control switch

PTO Clutch
Shiftable or exchangeable 540 / 1000 PTO
Engine speed at rated PTO speed
No. of splines
Shiftable 540 / 540E / 1000 PTO
Engine speed at rated PTO speed
No. of splines

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..... On left hand side rear fender

..... Electro-hydraulically operated oil cooled multi disc - long-life concept

PTO - FRONT

PTO Clutch
Engine speed at 1000 PTO speed
No. of splines

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..... Electro-hydraulically operated oil cooled multi disc - long-life concept

..... 21 spline shaft - clockwise / 6 spline shaft - counter clockwise

BRAKES

Footbrake
Hand brake
Parking lock

..... Oil cooled discs, self equalising, self adjusting, power brake

..... Oil immersed band brake

..... Positive transmission parking position / AutoPowr with park lock

HYDRAULIC SYSTEM

Type
Max. pump capacity
Max. working pressure

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..... PFC System (pressure and flow compensating), load sensing

* in Transport and PTO mode



	6520	6620	6820	6920	6920S
3-POINT HITCH REAR WITH REMOTE SWITCH					
Type of lower links	Fixed, telescopic or hook type quick coupler				
Category	II / III N	II / III N	II / III N	II / III N	II / III N
Hitch response / features	Positive valve location, stepper motor type / height limiter, working depth, rate of drop, quick raise and lower, quick pull-in, self diagnosis. Automatic hitch dampening in transport position				
Sensing modes	Load & depth control, infinite mix, float				
HMS II – Headland Management System	Fully automatic operation of 3-point hitch, rear differential lock, 4WD, front and rear PTO engagement, and E-SCVs (Premium Plus)				
Max. lift capacity	66.2 kN	74.2 kN	84.0 kN	84.0 kN	84.0 kN
SELECTIVE CONTROL VALVES					
Type	Spool type single and double acting				
100 Series	neutral, raise, lower and float position, detent				
200 Series	neutral, raise, lower and float position, adjustable flow, selectable detents, load check valve, neutral start protection				
300 Series	neutral, raise, lower and float position, adjustable flow with temperature compensation, selectable detents, automatic hydraulic kick-out, load check valve, neutral start protection				
E-SCV	For Premium Plus – Electro-hydraulic Selective Control Valve – in addition with 300 Series adj. Flow rate and time detents				
Max. number of SCVs	max. 4 (depending of specification)				
STEERING (Type)					
	Integrated, balanced, hydrostatic				
4-WHEEL DRIVE					
Clutch	Oil cooled multi discs, (dis) engaged with rocker switch or automatically when the foot brakes are applied				
Caster / Steering angle	12° / 52°	12° / 52°	12° / 52°	12° / 52°	12° / 52°
Differential lock	Self locking differential				
Turning radius with / without brakes	4590 / 5120 mm	4590 / 5120 mm	4590 / 5120 mm	4590 / 5120 mm	4590 / 5120 mm
TLS II – TRIPLE LINK SUSPENSION					
Suspension system	Hydro-pneumatic, permanent active, triple link: hydro-cylinder link & panhard rod, self-levelling				
No. of double acting cylinders / accumulators	2 / 3	2 / 3	2 / 3	2 / 3	2 / 3
Suspension range	100 mm	100 mm	100 mm	100 mm	100 mm
ELECTRICAL SYSTEM					
Alternator	90 A / 115 A / 150 A	90 A / 115 A / 150 A	90 A / 115 A / 150 A	90 A / 115 A / 150 A	90 A / 115 A / 150 A
Batteries	154 Ah / 174 Ah	154 Ah / 174 Ah	154 Ah / 174 Ah	154 Ah / 174 Ah	154 Ah / 174 Ah
Starter	3 kW	3 kW	3 kW	3 kW	3 kW
CAPACITY					
Fuel tank	207 l	207 l	207 l / 250 l	250 l	250 l
Hydraulic oil (depending on transmission)	53 l / 62 l	53 l / 62 l	56 l / 66 l	56 l / 66 l	56 l / 66 l
Cooling fluid	28 l	28 l	28 l	28 l	28 l
Crankcase	19.5 l	19.5 l	19.5 l	19.5 l	19.5 l
CAB					
Premium Plus	AutoPowr; CommandARM; E-SCV's (models 6620 – 6920S only)				
Additional to Premium	-				
Premium and Premium Plus	Hydro-pneumatic, self-levelling – suspension travel ± 50 mm				
Hydraulic Cab Suspension (HCS) (Optional)					
Number of doors	2	2	2	2	2
Angle of all-round vision	310°	310°	310°	310°	310°
Full length roof hatch	Front or rear hinged / 2 opening positions / with or without glass roof and sun blind				
Climate control	4 speed blower, heating and fresh air ventilation / air conditioning (opt.) with demisting				
Air distribution	Automotive type 4 way selectable ventilation				
Sound level under full load at driver's ear	72 dB(A)	72 dB(A)	72 dB(A)	72 dB(A)	72 dB(A)
Adjustable steering wheel	Steering column and instrument pad tiltable and hight adjustable				
Passenger seat	With or without suspension				
Storage compartments in the roof	2	2	2	2	2
Rear Mirrors	Mechanical or electrically adjustable and telescopic, electrical heatable				
CHASSIS					
Structure	Full frame, rigid steel bridge type				
Drive train assembly	Modular units				

Specifications and design subject to change without notice.