

# 6R Series Tractors

158 to 188 kW (215 to 255 hp) (97/68EC) with Intelligent Power Management



# Specifications

	6175R	6195R	6215R
<b>ENGINE PERFORMANCE</b>			
Rated power (97/68EC), hp (kW)	175 (129)	195 (143)	215 (158)
Rated power with IPM (97/68EC), hp (kW)	215 (158)	235 (173)	255 (188)
Max. power (97/68EC) hp (kW)	193 (142)	215 (158)	237 (174)
Max. power with IPM (97/68EC) hp (kW)	223 (164)	243 (179)	259 (190)
Rated power (ECE-R24) hp (kW)	164 (122)	182 (136)	201 (150)
Rated with IPM (ECE-R24) hp (kW)	202 (151)	220 (164)	239 (178)
Max. power (ECE-R24), hp (kW)	181 (135)	202 (151)	224 (167)
Max. power with IPM (ECE-R24), hp (kW)	209 (156)	229 (171)	244 (182)
Constant power range, rpm	630	630	630
Torque reserve, % percentage	40	40	40
Maximum torque, Nm (at 1600 engine rpm)	817	910	1004
Rated speed, rpm		2100	
Manufacturer		John Deere Power Systems	
Type	PowerTech PVS		PowerTech PSS
Aftertreatment	Lifetime Diesel Particulate Filter (DPF), Diesel Oxidation Catalyst (DOC) and Selective Catalytic Reduction (SCR) using DEF		
Engine air filter		PowerCore G2 air filter with pre-cleaning	
Aspiration	Variable geometry turbocharger	Dual turbochargers, variable geometry turbo with fixed geometry turbo in series	
Cylinders / Displacement		6/6.8 l	
Cooling system	Distributed cooling system with temperature controlled viscous fan drive and dedicated fan for charge air cooler		
Fuel injection system & control	High pressure common rail system with up to 2500 bar injection pressure, electronically controlled		
<b>TRANSMISSION OPTIONS</b>			
PowerQuad Plus	•	•	•
20/20 2.5 – 40 km/h			
AutoQuad Plus	•	•	•
20/20 2.5 – 40 km/h			
20/20 2.5 – 50 km/h	•	•	•
AutoQuad Plus EcoShift			
20/20 2.5 – 40 km/h	•	•	•
AutoPower			
0.05 – 40 km/h	•	•	•
0.05 – 50 km/h	•	•	•
DirectDrive			
2.7 – 40 km/h	•	•	•
2.7 – 50 km/h	•	•	•
<b>AXLES</b>			
Suspended front axle (option)	Triple Link Suspension (TLS Plus) MFWD Axle, hydro-pneumatic, permanently active, triple link, self-levelling, load adjusting suspension		
Suspension range with TLS Plus	100 mm suspension range		
Engagement front differential lock	Self-locking differential		
Engagement rear differential lock	Electro-hydraulic with oil cooled clutch		
Rear axle	Flange axle or rack & pinion axle		
<b>STEERING</b>			
Type	Dynamic load sensing, hydrostatic, flow metering		
<b>HYDRAULIC SYSTEM</b>			
Type	Pressure & Flow Compensated (PFC) system with load sensing function		
Flow at rated engine speed base/option, l/min	114/155		
Selective control valves	Up to 6+3		
Power beyond	Optional		
Oil take out capacity with overfill, l	42		
Oil take out capacity with additional oil reservoir, l	55		

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<b>3-POINT HITCH – Rear</b>			
Type	Electronic lower link sensing; load & depth control, infinite mix, float		
Category	III		
Maximum lift capacity at hooks, kg	8500	8500	9550
Lift capacity through full lift range (OECD 610 mm), kg	4850	4850	5450
Lift capacity through full lift range (OECD 1800 mm), kg	3400	3400	3800
<b>3-POINT HITCH Front, optional</b>			
Type	Front hitch controlled by rear SCV (Economy option) or dedicated SCV (Premium option)		
Category	IIII		
Maximum lift capacity at hooks, kg	4000		
Lift capacity through full lift range (OECD at the hooks), kg	3300		
<b>REAR PTO</b>			
Type	Electro-hydraulically engaged, oil cooled, multi-disc design		
Engine rpm at rated PTO speeds with 540/540E/1000 option	1950/1721/1950		
Engine rpm at rated PTO speeds with 540E/1000/1000E option	1761/1989/1756		
<b>FRONT PTO, optional</b>			
Type	Electro-hydraulically engaged, oil cooled		
Engine speed at rated PTO speed (1000), rpm	1969		
<b>CAB</b>			
Specifications	ComfortView cab with 2 panorama doors and Generation 4 and CommandCenter display		
Suspension (option)	Adaptive hydraulic cab suspension HCS Plus		
Noise level at operator's ear, dB(A)	71		
Cab glass area, m <sup>2</sup>	6.11		
Cab volume, m <sup>3</sup>	3.33		
Display	Generation 4 CommandCenter 4100 7" or 4600 10" display		
<b>MISCELLANEOUS</b>			
AutoTrac Ready	Optional		
ISOBUS implement connection	Optional		
CommandCenter video inputs	1 input for 4100 7" display, 2 inputs for 4600 10" display		
Immobilizer	Optional		
Drive pedal mode	AutoPowr only		
Trailer brake systems (options)	Hydraulic and/ or pneumatic system		
Pneumatic trailer brake system (option)	Electro-magnetic compressor clutch, hydraulic retarding valve, air drier included		
<b>CAPACITIES</b>			
Fuel tank (base/option), l	405/335		
Engine coolant, l	28		
<b>DIMENSIONS AND WEIGHTS</b>			
Wheelbase, mm	2800		
Width x Height x Length, mm	2550 x 3160 x 5050		
<i>Measured with flanged axle, up to cab roof, from front weight support to horizontal draft link hooks and with max. front tires/max. rear tire sizes.</i>			
Ground clearance, mm	560		
<i>Measured at center of front axle, using max. front and max. rear tire sizes</i>			
Turning radius, m	5.62		
<i>According to ISO789-3 measured for 600/65R30 at 2050 mm tread setting and 1.6 bar inflation pressure on level ground</i>			
Shipping weight, kg	8300	8400	8500
<i>Measured with average specifications</i>			
Maximum permissible gross weight, kg	12700	13450	13450
<b>TIRE SIZES</b>			
Front tire sizes, max. available (diameter in cm)	600/70 R28 (158)	600/70 R28 (158)	600/70 R28 (158)
Rear tire sizes, max. available (diameter in cm)	710/70 R42 (205)	710/70 R42 (205)	710/70 R42 (205)

● = Option available