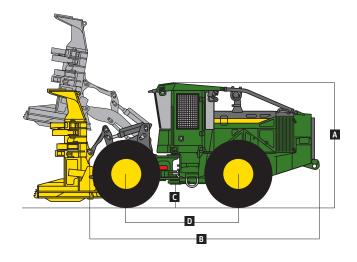


Engine	643L		843L		
Manufacturer / Model	John Deere PowerTech™ PSS 6.8L	John Deere PowerTech™ 6.8L	John Deere PowerTech PSS 6.8L		
Off-Road Emission Standards	EPA Final Tier 4 / EU Stage IV	EPA Tier 2 / EU Stage II	EPA Final Tier 4 / EU Stage IV		
Gross Power	157 kW (211 hp)	157 kW (211 hp)	201 kW (270 hp)		
Gross Torque	923 Nm (680 ftlb.)	923 Nm (680 ftlb.)	1141 Nm (841 ftlb.)		
Number of Cylinders	6				
Valves per Cylinder	4				
Engine Displacement	6.8 L (414 cu. in.)				
Engine Bore and Stroke	106 x 127 mm (4.19 X 5.00 in.)				
Fuel System	High-pressure common rail				
Aspiration	Turbocharged and charge-air cooled				
Air Cleaner	Dual stage with safety element and dust unloader valve				
Engine Cold-Start System	Glow plugs				
Cooling	643L / 843L				
Cooling System		s deaeration tank and recovery reservoir			
Fan Drive	Heavy-duty radiator with continuous deaeration tank and recovery reservoir Hydraulic, variable speed, reversing				
Powertrain	riyaradile, variable speed, reversing				
Transmission	Infinite variable hydrostatic with 2-s	need gearhox			
Number of Gears, Forward and Reverse	2				
Maximum Speed with 28L-26 Tires	L				
Low Gear	8.0 km/h (5.0 mph)				
High Gear	17.5 km/h (10.8 mph)				
Axles	17.3 Kill/II (10.6 Ilipii)				
Front Axle Oscillation, Stop to Stop	30 deg.				
Options Differential (front and root)	1400 Extreme Duty and SWEDA™				
Differential (front and rear)	Hydraulic-locking, operated-on-the-go, closed-center differential lock				
Steering	Fully hydraulic, joystick				
Articulation Angle	45 deg. each direction				
Service Brakes	Inboard-mounted, wet-disc, oil-cooled, self-adjusting and self-equalizing front and rear axles Automatically spring-applied, hydraulically released, sealed and lubricated, wet multi-disc				
Parking Brake	Automatically spring-applied, hydrai	ulically released, sealed and lubricated, w	vet multi-disc		
Hydraulics					
Main Pump	Open circuit, axial piston, variable di	splacement			
Maximum Displacement	90 cc/rev. (5.49 ci/rev.)				
Electrical System					
Voltage	24 volt				
Number of Batteries (12 volt)	2				
Battery Capacity (each)	950 CCA				
Alternator Rating	150 amp				
Lights	6 (10 optional)				
Refill Capacities					
Fuel Tank	396 L (104.6 gal.)				
Hydraulic Reservoir	169.1 L (44.7 gal.)				
Diesel Exhaust Fluid (DEF) Tank	20.9 L (5.5 gal.)				
Operating Weights					
Machine Weight (less felling head)	13 910 kg (30,704 lb.)				
With Saw, FD45	16 383 kg (36,120 lb.)				
With Saw, FD22B	17 081 kg (37,659 lb.)				
WILLI Jaw. FDZZD					



Ma	chine Dimensions	643L		843L
Tire	e Size	28L-26		28L-26
Α	Overall Height	3216 mm (126.6 in.)		3216 mm (126.6 in.)
	Overall Width (with 711-mm [28 in.] tires [1400 axles])	2913 mm (114.7 in.)		2913 mm (114.7 in.)
В	Overall Length (less felling head)	6293 mm (247.7 in.)		6293 mm (247.7 in.)
C	Ground Clearance	484 mm (19 in.)		484 mm (19 in.)
D	Wheelbase	3023 mm (119 in.)		3175 mm (125 in.)
Fell	ing Head Information	643L / 843L		
Hea	ad	FD45 DSFH – Twin Post	FD22B DSFH – Single Post	FD55 DSFH – Twin Post
Max	ximum Cutting Capacity	508 mm (20.0 in.)	559 mm (22.0 in.)	584 mm (23.0 in.)
Max	ximum Accumulation Capacity	0.65 m ² (7.0 sq. ft.)	0.48 m ² (5.2 sq. ft.)	0.63 m ² (6.8 sq. ft.)
Оре	ening at Front of Housing	864 mm (34.0 in.)	1290 mm (50.8 in.)	1033 mm (40.7 in.)
Blac	de Diameter	1346 mm (53.0 in.)	1422 mm (56.0 in.)	1473 mm (58.0 in.)
Nur	mber of Teeth	18	18	18
10/	dth at Saw Housing	1582 mm (62.3 in.)	1618 mm (63.7 in.)	1651 mm (65.0 in.)
VVIC	atti at saw i loasii g			
	ght	2515 mm (99.0 in.)	3068 mm (120.8 in.)	2954 mm (116.3 in.)

643L Wheeled Feller Buncher



843L Wheeled Feller Buncher

