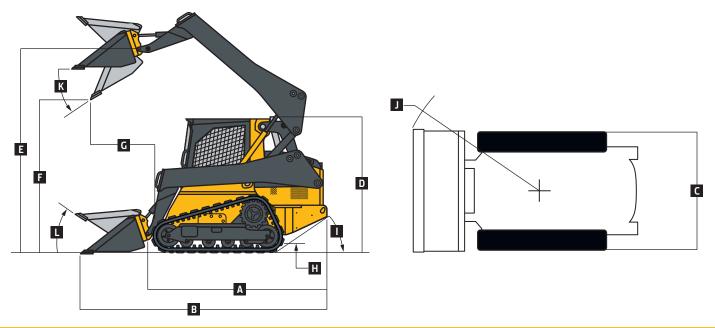
319E / 323E DEERE DEERE 323E DEERE

Engine	319E	323E	
Manufacturer and Model	Yanmar 4TNV98C (optional 4TNV98CT)	Yanmar 4TNV98CT	
Non-Road Emission Standards	EPA Final Tier 4/EU Stage IV	EPA Final Tier 4/EU Stage IV	
Cylinders	4	4	
Net Peak Power (SAE J1349 / ISO 9249)	49.4 kW (66 hp) at 2,500 rpm	52.5 kW (70 hp) at 2,500 rpm	
Gross Rated Power (ISO 14396)	51.7 kW (69 hp) at 2,500 rpm	54.8 kW (74 hp) at 2,500 rpm	
Peak Torque	241 Nm (178 ftlb.) at 1,625 rpm	280 Nm (207 ftlb.) at 1,800 rpm	
Displacement	3.3 L (203 cu. in.)	3.3 L (203 cu. in.)	
Rated Engine Speed	2,500 rpm	2,500 rpm	
Torque Rise	22% at 1,625 rpm	34% at 1,800 rpm	
Aspiration	Naturally aspirated (optional turbocharger)	Turbocharged	
Air Cleaner	Dry dual element	Dry dual element	
Cooling	319E / 323E	- J. J. G.	
Fan Type	Variable-speed hydraulic drive (optional reversing fan	drive)	
Powertrain	319E	323E	
Pump	Axial-piston hydrostatic	Axial-piston hydrostatic	
Controls	Manual or electrohydraulic	Manual or electrohydraulic	
Travel Speeds	Maridal of electronyaradic	Manual of electronyuradic	
Single Speed, Standard	9.3 km/h (5.8 mph)	10.0 km/h (6.2 mph)	
	9.5 KIII/II (5.6 IIIPII)	10.0 kiii/ii (6.2 iiipii)	
2 Speed, Optional		0.01/b (F.6b)	
Low	_	9.0 km/h (5.6 mph)	
High	—	14.0 km/h (8.7 mph)	
Brakes	Integral, automatic, spring-applied, hydraulically rele	ased wet-disc brake	
Undercarriage			
Rubber Tracks	Smooth-ride long-life rubber with steel inserts	Smooth-ride long-life rubber with steel inserts	
Track Width			
Standard	320 mm (12.6 in.)	320 mm (12.6 in.)	
Optional	_	400 mm (15.8 in.)	
Ground Pressure			
Standard 320-mm (12.6 in.) Track	39.3 kPa (5.7 psi)	39.3 kPa (5.7 psi)	
Optional 400-mm (15.8 in.) Track	_	32.4 kPa (4.7 psi)	
Track Rollers (per side)	4 triple-flange smooth-ride all-steel rollers	4 triple-flange smooth-ride all-steel rollers	
Track Idlers (per side)	2 double-flange smooth-ride all-steel rollers	2 double-flange smooth-ride all-steel rollers	
Bearings/Seals (rollers/idlers)	Heavy-duty journal bearings and metal face seals	Heavy-duty journal bearings and metal face seals	
Tractive Effort	3859 kgf (8,500 lbf)	3859 kgf (8,500 lbf)	
Hydraulics			
Pump Flow			
Standard	57 L/m (15 gpm)	68 L/m (18 gpm)	
Total with High-Flow Option	_	95 L/m (25 gpm)	
System Pressure at Couplers	22 408 kPa (3,250 psi)	22 408 kPa (3,250 psi)	
Hydraulic Horsepower Flow (calculated)			
Standard	21.2 kW (28.4 hp)	25.5 kW (34.1 hp)	
High	_	35.3 kW (47.4 hp)	
Cylinders	319E / 323E	, , , , , , , , , , , , , , , , , , , ,	
Туре	John Deere heat-treated, chrome-plated, polished cylinder rods, hardened steel (replaceable bushings) pivot pins		
77-			
Electrical			
Voltage	12 volt		
Battery Capacity	750 CCA (optional 925 CCA)		
Alternator Rating	70 amp		
Lights	Halogen, 2 front and 1 rear		
Operator's Station			
operator obtation			

ROPS (ISO 3471) / FOPS (ISO 3449) structure with quick-pivot standard



Ser	viceability	319E / 323E	
Ref	ill Capacity		
F	- uel Tank	76 L (20 gal.)	
Ор	erating Weights	319E	323E
Wit	th Standard 320-mm (12.6 in.) Track	4286 kg (9,440 lb.)	4286 kg (9,440 lb.)
	th Optional 400-mm (15.8 in.) Track	_	4358 kg (9,600 lb.)
Ma	chine Dimensions		
Α	Length without Bucket	2.85 m (112 in.) (9 ft. 4 in.)	2.85 m (112 in.) (9 ft. 4 in.)
В	Length with Foundry Bucket	3.47 m (136.8 in.) (11 ft. 5 in.)	3.47 m (136.8 in.) (11 ft. 5 in.)
C	Width without Bucket		
	With 320-mm (12.6 in.) Track	1.82 m (71.8 in.) (6 ft. 0 in.)	1.82 m (71.8 in.) (6 ft. 0 in.)
	With 400-mm (15.8 in.) Track	_	1.91 m (75.2 in.) (6 ft. 3 in.)
D	Height to Top of ROPS	2.05 m (80.6 in.) (6 ft. 9 in.)	2.05 m (80.6 in.) (6 ft. 9 in.)
Ε	Height to Hinge Pin	3.12 m (122.8 in.) (10 ft. 3 in.)	3.12 m (122.8 in.) (10 ft. 3 in.)
F	Dump Height with Foundry Bucket	2.50 m (98.4 in.) (8 ft. 2 in.)	2.50 m (98.4 in.) (8 ft. 2 in.)
G	Dump Reach		
	With Foundry Bucket	0.72 m (28.5 in.)	0.72 m (28.5 in.)
	With Construction Bucket with Edge	0.92 m (36.1 in.) (3 ft. 0 in.)	0.92 m (36.1 in.) (3 ft. 0 in.)
Н	Ground Clearance	0.25 m (9.8 in.)	0.25 m (9.8 in.)
1	Angle of Departure	31.4 deg.	31.4 deg.
J	Front Turn Radius with Foundry Bucket	2.03 m (80.1 in.) (6 ft. 8 in.)	2.03 m (80.1 in.) (6 ft. 8 in.)
K	Dump Angle (full lift height)	42 deg.	42 deg.
L	Bucket Rollback (ground level)	32 deg.	32 deg.



Loader Performance	319E	323E		
Tipping Load	2789 kg (6,143 lb.)	3360 kg (7,400 lb.)		
SAE Rated Operating Capacity with Foundry Bucket				
At 35% Tipping Load	976 kg (2,150 lb.)	1176 kg (2,590 lb.)		
At 50% Tipping Load	1394 kg (3,017 lb.)	1634 kg (3,600 lb.)		
Boom Breakout	1589 kg (3,500 lb.)	1952 kg (4,300 lb.)		
Bucket Breakout Force	2724 kg (6,000 lb.)	3178 kg (7,000 lb.)		