

**ENGINE**

Model	Yanmar 3TNV88F-E
Emissions Certification	Tier 4 Final
Cylinders	3
Displacement	100 in <sup>3</sup> (1.6 L)
Fuel injection	Mechanical w/ electronic governor
Fuel injection pump	Direct
Fuel	Diesel
Cooling	Water-cooled
Net horsepower – SAE J1349 @ 2400 RPM:	23.1 hp (17.2 kW)

**DRIVETRAIN**

Travel speeds:	
1st	1.6 mph (2.5 kph)
2nd	2.7 mph (4.4 kph)
Gradeability	30°
Drawbar pull	8,655 lb (38.5 kN)

**ELECTRICAL**

Voltage	12 Volts
Alternator rating	24 amp
Battery	12-volt low-maintenance

**OPERATOR ENVIRONMENT**

ROPS/FOPS three post canopy; Pilot operated hand controls and foot pedals; Adjustable seat w/ seat belt; Arm rests.

Display includes:

Engine oil pressure; Water temperature lamp; Low fuel warning lamp; Battery charge lamp; Water temperature gauge; Fuel gauge and hour meter.

**OPERATING WEIGHT**

Cab operating weight	8,554 lb (3 880 kg)
w/ counterweight	+551 lb (250 kg)
Canopy operating weight	8,212 lb (3 725 kg)
w/ counterweight	+551 lb (250 kg)

NOTE: w/ operator/full fuel/standard equipment.

**HYDRAULICS**

Main pumps	Tandem variable displacement/ axial piston pump	
Max. rated flow	2 x 10.1 gpm (2 x 38.4 L/min)	
Auxiliary flow	15.2 gpm (57.6 L/min)	
System relief pressure:	Standard 3,336 psi (230 bar)	
Pilot control hydraulic system:	Pump Gear pump	
Maximum capacity	2.9 gpm (10.8 L/min)	
Relief pressure	508 psi (35 bar)	
Control valves		
Pilot control for left/right track travel, boom, arm, bucket and swing.	Manual control for breaker and backfill blade.	
Swing/Dozer blade:	Motor Fixed displaced axial piston	
Travel:	Motors – 2 Two-speed axial piston	
Final drive	Planetary gear reduction	

**SERVICE CAPACITIES**

Fuel tank	11 gal (42 L)
Hydraulic tank:	
Refill capacity	5.4 gal (20.4 L)
Total system	11.8 gal (44.8 L)
Engine w/ filter change	1.5 gal (5.5 L)
Radiator	1.2 gal (4.6 L)

**OTHER SPECIFICATIONS**

Swing speed	0 – 8.4 RPM
Swing brake	Spring applied, hydraulically released w/ dual cushion relief
Undercarriage:	
Top tracks – each	1 roller
Bottom tracks – each	4 rollers
Boom:	
Swing	70° left/60° right
Length	8 ft 2 in (2.49 m)
Arm:	
Length	4 ft 4 in (1 320 mm)