



Engine	YANMAR 4TNV98CT-V
Rated Power	53.7 kW (72 hp / 73 ps) @ 2,000 rpm
Operating Weight	6,800 kg (14,991 lbs)
Standard Bucket Size	1.2 m ³ (1.6 yd ³)
Standard Breakout Force	62 kN (13,938 lbf)
Standard Dump Clearance	2,670 mm (8'9")

820T WHEEL LOADER

820T SPECIFICATIONS >>>

ENGINE

Emission Regulation	Stage V
Manufacturer	YANMAR
Model	4TNV98CT-V
Rated Power	53.7 kW (72 hp / 73 ps) @ 2,000 rpm
Peak Torque	283~308 N.m (209~227 lbf-ft) @ 1,365 rpm
Displacement	3.3 L (0.9 gal)
Number of Cylinders	4
Aspiration	Turbocharged & Charge air cooling

TRANSMISSION

Transmission Type	Hydrostatic transmission gearbox
Maximum Travel Speed, fwd	40 km/h (24.9 mph)
Maximum Travel Speed, rev	16 km/h (9.9 mph)
Number of Speed, fwd	2
Number of Speed, Rev	2

AXLES

Differential Front Type	100% Differential lock
Differential Rear Type	100% Differential lock
Axle Oscillation	±8°

STEERING

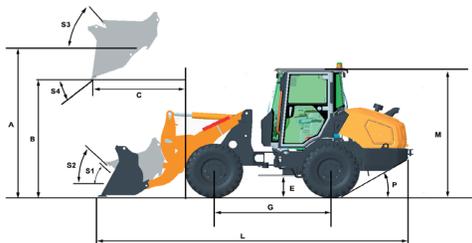
Steering Hydraulic System	Large displacement steering
Steering Relief Pressure	19 MPa (2,756 psi)

BRAKES

Service Brake Type	Wet discs brake
Service Brake Actuation	Full hydraulic
Parking Brake Type	Caliper discs brake
Parking Brake Actuation	Electro-hydraulic release

HYDRAULIC SYSTEM

Main Pump Type	Piston
Main Relief Pressure	23.5 MPa (3,408 psi)
Raise	5.4 s
Dump Time	1.1 s
Float Down Time	3.5 s
Hydraulic Cycle Time	10 s



LOADER ARM PERFORMANCE WITH STANDARD BUCKET 1.2 m³ (1.6 yd³)

Tipping Load - Straight (ISO 14397-1:2007)	4,400 kg (9,700 lbs)
Tipping Load - Full Turn (ISO 14397-1:2007)	3,800 kg (8,378 lbs)
Bucket Breakout Force	62 kN (13,938 lbf)
A Maximum Hinge Pin Height	3,408 mm (11'2")
B Dump Clearance at Full Height Discharge	2,670 mm (8'9")
C Dump Reach at Full Height Discharge	875 mm (2'10")
D Maximum Digging Depth, Bucket Level	95 mm (4")
S ₁ Rollback at Ground Level	45°
S ₂ Bucket Rollback at Carry	49.5°
S ₃ Bucket Rollback at Maximum Height	60°
S ₄ Maximum Dump Angle at Full Height	45°

BUCKET PERFORMANCE

Reference Bucket	0.8~2.0 m³ (1.0~2.6 yd³)
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DIMENSIONS

E Ground Clearance	350 mm (1'2")
G Wheelbase	2,150 mm (7'1")
H Cab Height	2,520 mm (8'3")
J Wheel Tread	1,520 mm (4'12")
K Width over Tires	1,930 mm (6'4")
L Length with Bucket Down	5,833 mm (19'2")
M Turn Angle, Either Side	38°
P Rear Angle of Departure	30°
R ₁ Turning Radius, Bucket Carry	4,486 mm (14'9")
R ₂ Turning Radius, Outside of Tire	3,750 mm (12'4")
W Width over Bucket	2,225 mm (7'4")

TIRES

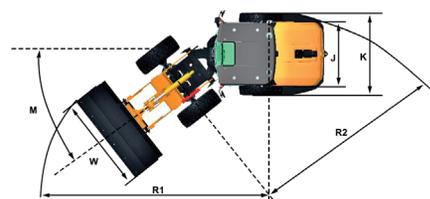
Tire Size	405/70R20-LR400
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OPERATING WEIGHTS

Operating Weight	6,800 kg (14,991 lbs)
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SERVICE CAPACITY

Fuel Tank	75 L (19.8 gal)
Engine Oil	4.5 L (1.2 gal)
Cooling System	4.5 L (1.2 gal)
Hydraulic System	65 L (17.2 gal)
Transmission	4.0 L (1.1 gal)
Axles, each	8.6 L (2.3 gal)



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Specifications and designs are subject to change without notice. Machines shown may include optional equipment. Liugong standard and optional equipment may vary from region to region. Please consult your Liugong dealer for information specific to your area. Engine power kW is converted to horsepower (1 kW=1.3596 ps and 1 kW=1.3410 hp) in this file.

06/2025 Designed by LiuGong
Replace the previous versions of 04/2025