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EngineRated Power51.3 kW (68 hpNet Power48 kW (64 hpOperating WeightStandard Bucket SizeStandard Breakout ForceStandard Dump Clearance

Yanmar 51.3 kW (68 hp / 69 ps) @ 2,400 rpm 48 kW (64 hp / 65 ps) @ 2,400 rpm 5,470 kg ze 1.0 m<sup>3</sup> Force 54 kN arance 2,420 mm

## 816C WHEEL LOADER

TOUGH WORLD. TOUGH EQUIPMENT.

## 816C SPECIFICATIONS >>>

ENGINE	
Emission Regulation	Tier 3
Make	Yanmar
Model	4TNV98-ZPLYWB
Rated Power	51.3 kW (68 hp / 69 ps) @ 2,400 rpm
Net Power	48 kW (64 hp / 65 ps) @ 2,400 rpm
Peak Torque	238.8 N·m @ 1,550 rpm
Displacement	3 L
Number of Cylinders	4
Aspiration	Natural

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Transmission Type	Countershaft-type power shift
Torque Converter	Single stage, three elements
Maximum Travel Speed, fwd	25 km/h
Maximum Travel Speed, rev	25 km/h
Number of Speeds, fwd	2
Number of Speeds, rev	2

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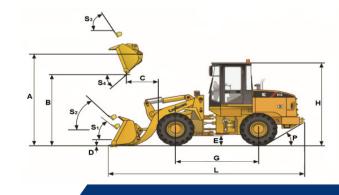
Differential Front Type	Conventional
Differential Rear Type	Conventional
Axle Oscillation	±11°

STEERING	
Steering Configuration	Articulated
Steering Relief Pressure	14.8 Mpa

## BRAKES

Service Brake Type	Caliper dry disc
Service Brake Actuation	Air over hydraulic
Parking Brake Type	Disc
Parking Brake Actuation	Mechanical

HYDRAULIC SYSTEM	
Main Pump Type	Gear
Main Relief Pressure	18 MPa
Raise	4.2 s
Dump Time	1.0 s
Float Down Time	3.0 s
Fastest Total Cycle Time	8.2 s



LOADER ARM PERFORMANCE with Standard Bucket 1.0 m <sup>3</sup>	
Tipping Load - Straight (ISO 14397-1:2007)	3,695 kg
Tipping Load - Full Turn (ISO 14397-1:2007)	3,230 kg
Bucket Breakout Force	54 kN
A Maximum Hinge Pin Height	3,050 mm
B Dump Clearance at Full Height Discharge	2,370 mm
C Dump Reach at Full Height Discharge	840 mm
D Maximum Digging Depth, Bucket Level	12 mm
S, Bucket Rollback at Ground Level	43°

S, Bucket Rollback at Carry 52° S<sub>3</sub> Bucket Rollback at Maximum Height 63° 45°

S<sub>4</sub> Maximum Dump Angle at Full Height

BUCKET PERFORMANCE	
Reference Bucket	

DIMENSIONS	
E Ground Clearance	285 mm
G Wheelbase	2,200 mm
H Cab Height	2,865 mm
J Wheel Tread	1,520 mm
K Width Over Tires	1,940 mm
L Length with Bucket Down	5,637 mm
M Turn Angle, Either Side	38°
P Rear Angle of Departure	21°
R <sub>1</sub> Turning Radius, Bucket Carry	4,671 mm
R <sub>2</sub> Turning Radius, Outside of Tire	4,185 mm
W Width Over Bucket	1,982 mm

TIRES Tire Size

16/70-20 14PR TT L-3

0.8-1.2 m<sup>3</sup>

OPERATING WEIGHTS	
Operating Weight	5,470 kg
SERVICE CAPACITY	
Fuel Tank	95 L
Engine Oil	10.2 L
Cooling System	10 L

Hydraulic Reservoir	78 L
Transmission and Torque Converter	18 L
Axles, each	12 L

