



<b>Engine</b>	Yanmar
<b>Rated Power</b>	51.3 kW (68 hp / 69 ps) @ 2,400 rpm
<b>Net Power</b>	48 kW (64 hp / 65 ps) @ 2,400 rpm
<b>Operating Weight</b>	5,470 kg
<b>Standard Bucket Size</b>	1.0 m <sup>3</sup>
<b>Standard Breakout Force</b>	54 kN
<b>Standard Dump Clearance</b>	2,420 mm

# 816C WHEEL LOADER

# 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

## TRANSMISSION

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

## AXLES

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 <sub>1</sub> Bucket Rollback at Ground Level	43°
S <sub>2</sub> Bucket Rollback at Carry	52°
S <sub>3</sub> Bucket Rollback at Maximum Height	63°
S <sub>4</sub> Maximum Dump Angle at Full Height	45°

## BUCKET PERFORMANCE

Reference Bucket	0.8-1.2 m <sup>3</sup>
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## 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
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## OPERATING WEIGHTS

Operating Weight	5,470 kg
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## 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

