

# Compact Track Loaders 279D3

## Engine

Gross Power - SAE J1995	55.4 kW
Net Power - SAE 1349	54.4 kW
Displacement	3.3 l
Bore	94 mm
Stroke	120 mm
Peak Torque - 1,500 rpm - SAE J1995	265 N·m
Net Power	54.4 kW
Note	Net power advertised is the power available at the flywheel when the engine is equipped with alternator, air cleaner, muffler/aftertreatment and cooling fan.
Gross Power	55.4 kW
Engine Model	Cat C3.3B DIT (turbo)
Net Power - ISO 9249	54.9 kW

## Operating Specifications

Rated Operating Capacities - 35% Tipping Load	1010 kg
Tipping Load	2885 kg
Breakout Force - Tilt Cylinder	3304 kg
Rated Operating Capacities - 50% Tipping Load	1445 kg
Ground Contact Area - With 450 mm/17.7 in Track	1.47 m <sup>2</sup>
Note	Operating Weight, Operating Specifications and Dimensions all based on 75 kg (165 lb) operator, all fluids, two speed, OROPS, 2036 mm (80 in) low profile bucket, 450 mm (17.7 in) tracks, dual flange front idler/single flange rear idler, standard flow hydraulics, mechanical suspension seat, no optional counterweights and manual quick coupler (unless otherwise noted).
Rated Operating Capacity with Optional Counterweight	1540 kg
Ground Pressure - With 450 mm/17.7 in Track	30.4 kPa

## Weights

Operating Weight	4579 kg
Note	Operating Weight, Operating Specifications and Dimensions all based on 75 kg (165 lb) operator, all fluids, two speed, OROPS, 2036 mm (80 in) low profile bucket, 450 mm (17.7 in) tracks, dual flange front idler/single flange rear idler, standard flow hydraulics, mechanical suspension seat, no optional counterweights and manual quick coupler (unless otherwise noted).

## Dimensions

Length - Track on Ground	1630 mm
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Overall Length - Track	2129 mm
Height - Top of Cab	2113 mm
Ground Clearance	226 mm
Departure Angle	32°
Maximum Dump Angle	39°
Bucket Pin Height - Carry Position	198 mm
Turning Radius from Center - Machine Rear	1796 mm
Turning Radius from Center - Coupler	1410 mm
Maximum Overall Height	4051 mm
Maximum Reach - With Arms Parallel to Ground	1373 mm
Turning Radius from Center - Bucket	2256 mm
Bucket Pin Height - Maximum Lift	3173 mm
Length - With Bucket on Ground	3714 mm
Length - Without Bucket	2995 mm
Reach - Maximum Lift/Dump	575 mm
Note	Operating Weight, Operating Specifications and Dimensions all based on 75 kg (165 lb) operator, all fluids, two speed, OROPS, 2036 mm (80 in) low profile bucket, 450 mm (17.7 in) tracks, dual flange front idler/single flange rear idler, standard flow hydraulics, mechanical suspension seat, no optional counterweights and manual quick coupler (unless otherwise noted).
Clearance at Maximum Lift and Dump	2485 mm
Vehicle Width (450 mm/17.7 in tracks)	1981 mm
Rack Back Angle - Maximum Height	84°

## Hydraulic System

Hydraulic Flow - Standard - Loader Hydraulic Pressure	23000 kPa
Hydraulic Flow - High Flow XPS - Maximum Loader Hydraulic Flow	121 l/min
Hydraulic Flow - Standard - Loader Hydraulic Flow	86 kPa
Hydraulic Flow - Standard - Hydraulic Power (Calculated)	33 kW
Hydraulic Flow - High Flow XPS - Maximum Loader Hydraulic Pressure	28000 kW
Hydraulic Flow - High Flow XPS - Hydraulic Power (Calculated)	57 kPa

## Cab

ROPS	ISO 3471:2008
FOPS	ISO 3449:2005 Level I

## Power Train

Travel Speed - Forward or Reverse - Two Speed	13.3 km/h
Travel Speed - Forward or Reverse - One Speed	7.2 km/h

## Service Refill Capacities

Hydraulic System	52 l
Hydraulic Tank	39 l
Fuel Tank	105 l
Engine Crankcase	11 l
Cooling System	14 l

## Air Conditioning System (if equipped)

Air Conditioning	The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1 kg of refrigerant which has a CO2 equivalent of 1.430 metric tonnes.
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## Noise Level

Note (2)	**The declared dynamic operator sound pressure levels per ISO 6396:2008. The measurements were conducted with the cab doors and windows closed and at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds.
Outside Cab***	103 dB(A)
Note (3)	***The labeled sound power level for the CE marked configurations when measured according to the test procedure and conditions specified in 2000/14/EC.
Inside Cab**	83 dB(A)
Note (1)	Cab and Rollover Protective Structures (ROPS) are standard in North America and Europe.