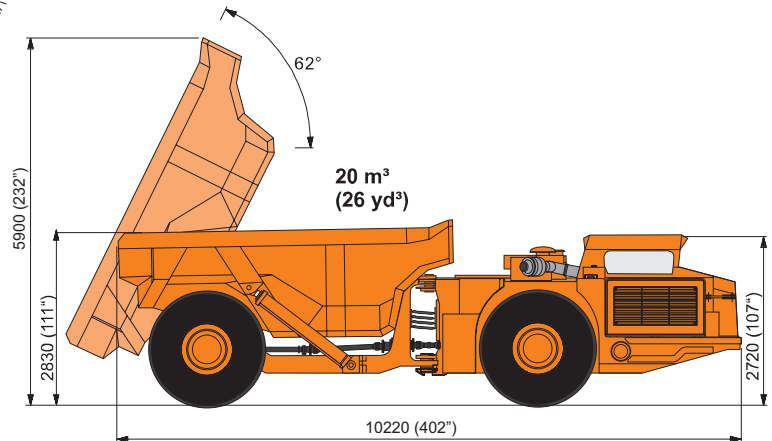
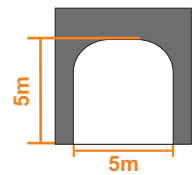
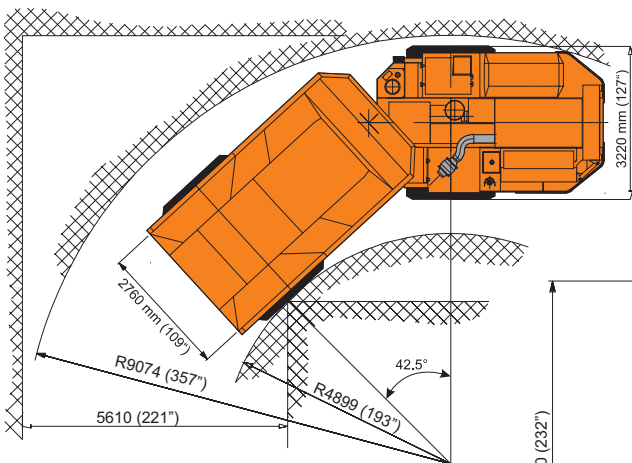


from

The Underground Experts

TORO 50



KEY SPECIFICATIONS

Capacity

Payload capacity
Box range (SAE 2:1) 50 000 kg (110 232 lb)
19 m³ - 28 m³
(25 yd³ - 37 yd³)

Weights

Operating weight 32 500 kg (71 650 lb)
Total loaded weight 82 500 kg (181 880 lb)

Dimensions

Total length 10 220 mm (402")
Total width 3 220 mm (127")
Height 2 720 mm (107")
Max height of the box 2 960 mm (117")
Ground clearance 500 mm (20")
Tunnel size
(depends on local regulations) 5 m x 5 m

COMPONENTS AND OPTIONS

Major Components

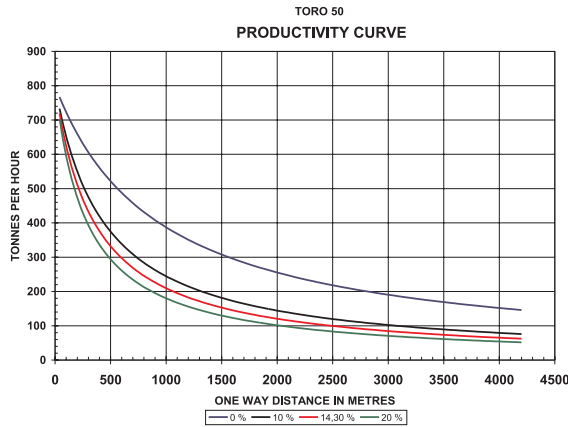
Diesel engine	Detroit S-60 DDEC IV
Engine output	392 kW (525 bhp) / 2100 rpm
Gearbox	Dana SOH 8821
Axles	Dana SOH 21D 4354
Front axle oscillation	±13°
Tyres, size & type	29.5R25 Bridgestone VSNT E/L-4

Main options

ROPS/FOPS safety cabin with air cond. and stereos
Automatic central lubrication
Posi-stop brakes
Auto engine shut down
Load weighing system
Electrical retarder TELMA
Exhaust brake "Jake Brake"
Fire suppression system ANSUL
Shiftronics automatic gear shifting, lock up
Accordance with CE-norms

Sandvik Mining and Construction has the market's most comprehensive product portfolio for rock and mineral excavation and demolition operations in mining and civil engineering.

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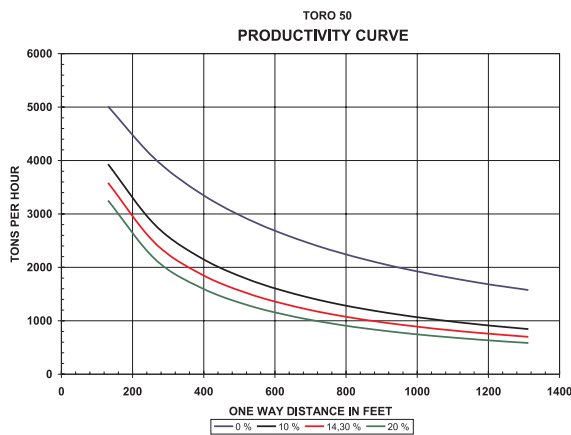


Basic data for calculations:

Payload 50 000 kg
Overall speed limit 30 km/h
Fixed cycle time 3,75 min
Rolling resistance 3 %

Fixed cycle time includes the time for filling, dumping, turning and accelerating

Slope / Grade (%)	Hor./0	1:10/10	1:7/15	1:5/20
Loaded speed (km/h)	30	9,2	7	5,5
Empty speed (km/h)	30	30	30	30



Basic data for calculations:

Payload 110 231 lbs
Overall speed limit 18,6 mph
Fixed cycle time 0,5 min
Rolling resistance 3 %

Fixed cycle time includes the time for filling, dumping, turning and accelerating

Slope / Grade (%)	Hor./0	1:10/10	1:7/15	1:5/20
Loaded speed (mph)	18,6	5,7	4,3	3,4
Empty speed (mph)	18,6	18,6	18,6	18,6

High Productivity

- High capacity / own weight
- Small envelope size
- High availability



Safety

- Built in safety features to protect the operator and the machine

Operator comfort

- Comfortable working environment
- Easy daily maintenance

TORO

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