

TCIIA Tracked Carrier

ENGINE

Manufacturer
Cummins

Model
B6.7

Configuration
Inline 6, turbocharged and intercooled

Maximum Net Power
188 kW (252 hp) @ 1 800 rpm

Displacement
6.7 litres (409 cu.in)

Fuel Tank Capacity
192 litres (50.7 US gal)

Diesel Exhaust Fluid Capacity
37.8 litres (10 US gal)

Air Cleaner
Radial seal air cleaner with clear bowl pre-cleaner. Filter blockage is detected by a pressure transducer

Certification
The B6.7 meets EU Stage V emissions regulations

HYDRAULIC SYSTEM

Hydrostatic Drive System
Electro-hydraulic pump control with variable displacement hydraulic motors.
Closed loop system

Wheel Drive System
Double reduction planetary track drive

Service Brake
Hydrostatic brake

PARK BRAKE

Fail to safe Spring Applied Hydraulic Released (SAHR) brake

System Pressure
420 bar (6 092 psi)

Filtration
13 micron spin-on filters

Hydraulic Tank Capacity
133 litres (35.1 US gal)

TRACK

Track Type
Rubber tracks with steel inserts

Tensioning System
Manually adjusted grease cylinder plus mechanical spring

SUSPENSION

Roller Quantity
6 per side

Walking Beam Arrangement
Two terrain-response compound walking beams per side which, maximize the ground contact area, minimize ground pressure, reduce roller to track pressure and decrease the potential for de-tracking

DUMPING SYSTEM

Configuration
Two double-acting, single stage, dump cylinders

Flow Rate
92 litres (24 US gal) per minute

Raise Time

12 seconds

Lower Time

12 seconds

Tipping Angle

60 degrees for normal load bed
40 degrees for flat deck

Safety

Bin pole which locks bin in the up position

LOAD BODIES

Standard
Load body with tailgate

Standard Body Capacity (SAE 2:1)
5.25 m³ (6.9 yd³)

Option

Tipping flat deck (which can be bolted down)

ELECTRICAL SYSTEM

Voltage

24 V

Battery Type

Two AGM (Absorption Glass Mat) type

Battery Capacity

2 X 75 Ah

Alternator Rating

70 Amp

Headlights

LED Hella Valuefit is fitted standard

Reverse Camera

Standard

Extra Lighting Option

Optional LED bar light mounted to top of cab

CAB

Configuration
Dedicated cab developed by Bell for the Tracked Carrier application

Steering
Single handed joystick controller

Air Conditioning
HVAC system is standard fitment

Mirrors
Heated (optional) and remotely operated

Safety
ROPS/FOPS certified according to the following standards:
ISO3471, ISO13459, ISO3449

VEHICLE PERFORMANCE

Speed
14 km/h (8.7 mph)

Gradient (laden)
55% (29 degrees)

VEHICLE MASS (STANDARD CONFIGURATION)

Unladen
13 960 kg (30 777 lb)

Laden
24 960 kg (55 027 lb)

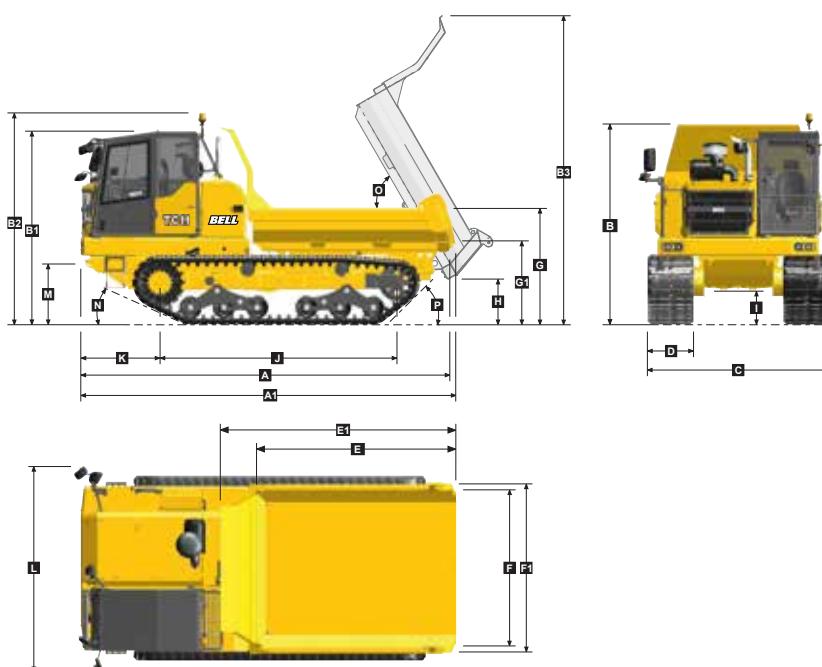
Payload
11 000 kg (24 251 lb)

UNLADEN GROUND PRESSURE

6" Sinkage method
0.19 kg/cm² (2.72 psi)

Hard Ground method
0.33 kg/cm² (4.72 psi)

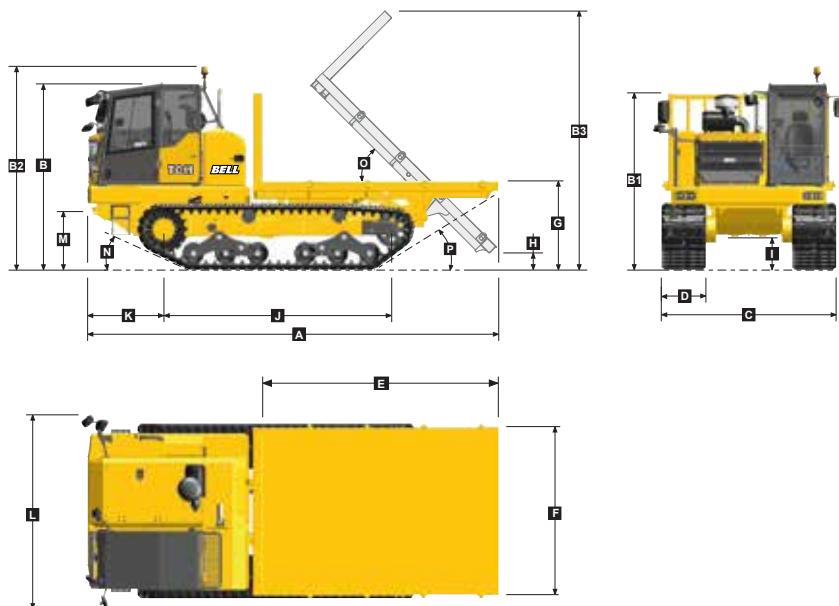
Dimensions: TC11 - Dump Body



Machine Dimensions

A	Length - Transport Position w/o Tailgate	5 875 mm (19 ft. 3 in)
A1	Length - Transport Position with Tailgate	5 961 mm (19 ft. 7 in)
B	Height - Transport Position	3 183 mm (10 ft. 5 in)
B1	Height - Headboard	3 097 mm (10 ft. 2 in)
B2	Height - Rotating Beacon	3 361 mm (11 ft)
B3	Headboard Height - Fully Tipped	4 909 mm (16 ft. 1 in)
C	Width - Transport Position	2 905 mm (9 ft. 6 in)
D	Track Width	750 mm (29.53 in)
E	Inside Length - Dump Body	3 130 mm (10 ft. 3 in)
E1	Overall Length - Dump Body	3 692 mm (12 ft. 1 in)
F	Width - Flat Deck	2 460 mm (8 ft. 1 in)
F1	Overall Width over Tailgate	2 692 mm (8 ft. 10 in)
G	Height - Flat Deck	1 855 mm (6 ft. 1 in.)
G1	Height - Flat Deck with Sides	1 330 mm (4 ft. 4 in.)
H	Ground Clearance - Fully Tipped	720 mm (28.35 in.)
I	Ground Clearance	532 mm (20.9 in.)
J	Front Sprocket Centre to Rear Sprocket Centre	3 768 mm (12 ft. 4 in.)
K	Front Sprocket Centre to Machine Front	1 260 mm (4 ft. 2 in.)
L	Width over Mirrors - Operating Position	3 212 mm (10 ft. 6 in.)
M	Front Tie Down Height	959 mm (37.76 in.)
N	Approach Angle	24°
O	Maximum Tip Angle	60°
P	Departure Angle	45°
	Fording Depth	1 170 mm (3 ft. 10 in.)

Dimensions: TC11 - Flat Deck



Machine Dimensions

A	Length - Transport Position	6 800 mm (22 ft. 4 in)
B	Height - Transport Position	3 097 mm (10 ft. 2 in)
B1	Height - Headboard	2 921 mm (9 ft. 7 in)
B2	Height - Rotating Beacon	3 361 mm (11 ft.)
B3	Headboard Height - Fully Tipped	4 272 mm (14 ft.)
C	Width - Transport Position	2 905 mm (9 ft. 6 in)
D	Track Width	750 mm (29 ft. 53 in)
E	Length - Flat Deck	3 904 mm (12 ft. 10 in)
F	Width - Flat Deck	2 768 mm (9 ft. 1 in)
G	Height - Flat Deck	1 466 mm (4 ft. 10 in.)
H	Ground Clearance - Fully Tipped	271 mm (10.7 in.)
I	Ground Clearance	532 mm (20.9 in.)
J	Front Sprocket Centre to Rear Sprocket Centre	3 768 mm (12 ft. 4 in.)
K	Front Sprocket Centre to Machine Front	1 260 mm (4 ft. 2 in.)
L	Width over Mirrors - Operating Position	3 212 mm (10 ft. 6 in.)
M	Front Tie Down Height	959 mm (37.76 in.)
N	Approach Angle	24°
O	Maximum Tip Angle	45°
P	Departure Angle	32°
	Fording Depth	1 170 mm (3 ft. 10 in.)



All dimensions are shown in feet and inches unless otherwise stated between brackets. Under our policy of continuous improvement we reserve the right to change technical data and design without prior notice. Photographs featured in this brochure may include optional equipment.

BELL INTERNATIONAL: Tel: +27 (0)35-907 9297
E-mail: connect@bellequipment.com **Web:** www.bellequipment.com

 Tel: +61 (0)8-9355-2442

 Tel: +44 (0)1283-712862

 Tel: +49 (0)6631 / 91-13-0

 Tel: +27 (0)11-928-9700

 Tel: +33 (0)5-55-89-23-56

 Tel: +1 (704) 655 2802

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