

TC7A Tracked Carrier



ENGINE

Manufacturer
Cummins

Model
B6.7

Configuration

Inline 6, turbocharged and intercooled

Gross Power

225 hp (168 kW) @ 2200 rpm

Net Power

215 hp (160 kW) @ 2200 rpm

Displacement

409 cu.in (6.7 liter)

Fuel Tank Capacity

51.2 US gal (194 liters)

Diesel Exhaust Fluid Capacity

10 US gal (37,8 liters)

Air Cleaner

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

Certification

The B6.7 meets Tier 4 final 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

6 092 psi (420 bar)

Filtration

13 micron spin-on filters

Hydraulic Tank Capacity

22.5 US gal (85 liters)

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

15 US gal (56 liters) per minute

Raise Time

13 seconds

Lower Time

13 seconds

Tipping Angle

60 degrees

Safety

Bin pole which locks bin in the up position

LOAD BODIES

Standard

Utility tipping load body with tailgate. Sides and rear can be folded down or removed to make a flat deck.

Standard Body Capacity

(SAE 2:1)
4.6 yd³ (3.5 m³)

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

Extra Lighting Option

Optional LED bar light mounted to top of cab

Reverse Camera

Standard

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

7.5 mph (12 km/h)

Gradient (laden)

49% (26 degrees)

VEHICLE MASS (STANDARD CONFIGURATION)

Unladen

24 140 lb (10 950 kg)

Laden

39 573 lb (17 950 kg)

Payload

15 432 lb (7 000 kg)

UNLADEN GROUND PRESSURE

6" Sinkage method

2.39 psi (0.17 kg/cm²)

Hard Ground method

4.09 psi (0.29 kg/cm²)

Dimensions

