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TC11A Tracked Carrier

ENGINE

Manufacturer
Cummins

Model
B6.7

Configuration
Inline 6, turbocharged and intercooled

Gross Power
249 hp (186 kW) @ 2000 rpm

Net Power
237 hp (177 kW) @ 2000 rpm

Displacement
409 cu.in (6.7 liter)

Fuel Tank Capacity
50 US gal (190 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
40 US gal (152 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
24 US gal (92 liters) 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)
6.9 yd^3 (5.25 m^3)

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
8.7 mph (14 km/h)

Gradient (laden)
55% (29 degrees)

VEHICLE MASS (STANDARD CONFIGURATION)

Unladen
30 777 lb (13 960 kg)

Laden
55 027 lb (24 960 kg)

Payload
24 251 lb (11 000 kg)

UNLADEN GROUND PRESSURE

6" Sinkage method
2.72 psi (0.19 kg/cm^2)

Hard Ground method
4.72 psi (0.33 kg/cm^2)

Dimensions





