

UT3812

POWERPLATFORM®

Engine:

Model Cummins QSB 6.7
Type 4 Stroke, turbo charged diesel
Emissions US EPA Tier 3
Cylinders Inline 6
Displacement 409 in³ (6.7 l)
Horsepower per SAE J1995
Gross 190 HP (142kW)
@ 2,400 rpm
Max Torque 685 lb-ft (929 Nm)
@ 1,500 rpm
Torque Reserve 33%

Transmission:

Model ZF 6 WG 160
Type Automated Powershift
Torque Converter Lock up all gears
Converter Ratio 1.785:1
Gears 6 Forward/3 Reverse
Forward Speeds - mph (kph)
1st 4.2 (7.2)
2nd 6.4 (10.3)
3rd 9.9 (15.8)
4th 15.2 (24.5)
5th 22.9 (36.8)
6th 35.4 (56.9)
Reverse Speed - mph (kph)
1st 4.4 (7.0)
2nd 10.4 (16.7)
3rd 24.1 (38.8)
Interaxle differential - Proportional
Unlocked front/rear 33%/66%
Locked front/rear 50%/50%
Transfer Case Integral
PTO Engine driven

Axles:

Front model 20.45SI
Type Steer drive
Turn Angle 45 deg
Gearing Double reduction
Final drive ratio 16.50:1
Differential Electro/Hydra locking
Mount Pad
Rear model 20.45SI
Type Steer drive
Turn Angle 45 deg
Gearing Double reduction
Final drive ratio 16.50:1
Differential Electro/Hydra locking
Mount Pad

Brakes:

System Dual circuit hydraulic Internal
..... Wet disc brake at each wheel end
Park Brake SAHR Driveline Disc

Suspension:

Front ... Integrated Axle Double Wishbone
Independent with position control
Rear ... Integrated Axle Double Wishbone
Independent with position control

Steering:

Type Hydraulically operated
rear steer proportional to speed
Steering Modes Front steering only
Four wheel coordinated steer
Four wheel crab steer
Turning radius - curb to curb
Front only 24.5' (7.5m)
Four wheel steer 16.5' (5.0m)

Tires/Wheels:

Wheel 20 x26.5 steel disc
Tire
Type Michelin CargoXbib
Size 600/55R26.5
Speed rating 40 mph
Size high x width
53.1"(1.35 m) x 24.6" (0.63 m)

Frame:

Type Welded steel box construction
12.5 in (0.32 m) section height

Cab:

Type Forward control w/ full
frontal safety glass, welded steel
rubber mounted
Seating Air suspended driver seat
Cushioned passenger seat
Air conditioning 21,000 Btu/hr
Heater 34,000 Btu/hr
Steering Tilt/telescoping column
ROPS/FOPS Frame mounted aft cab
Lighting 14 cab mounted lights

Electrical:

System 12V
Alternator 160A Leece Neville
Starter 12V Delco
Batteries BCI Group 31
(2) x 900 CCA

Cooling System:

Type Power washable extruded
aluminum construction, rubber mounted
Cooling Fan ... 34.50" hydrostatically mod
plastic fan with periodic reversing

Dimensions:

Base vehicle w/o options
Overall length 19' 1" (5.8m)
Overall tire width 8' 6" (2.6m)
Overall height 12' (3.6m)
Wheelbase 12' (3.6m)
Approach/departure angle 47 deg

Capacities:

Fuel tank - gal(l) 101(383)
Hydraulic reservoir - gal(l) 75(284)
Transmission - gal(l) 10 (38)

Weight:

Weight - base vehicle, approx.
Front 11,000 lb (5,909 kg)
Rear 9,500 lb (4,773 kg)
Weight Rating - <5 mph >5 mph
Front 26,000 lb 19,000 lb
Rear 26,000 lb 19,000 lb
Total 52,000 lb 38,000 lb

Standard Equipment:

43 gpm aux hydraulic closed center flow
2 front/rear hydraulic remotes with
proportional flow control
15,000 lb tongue rear hitch
Onboard total and cargo scale
Side access service area - air filter,
hydraulic filters, fuel filter, air dryer
filter, shop air connector, & cab tilt pump.
Easy access steps and walk platform
Transport loops

Optional Equipment:

50 gpm auxiliary hydraulic system flow
Frt/rear Cat. IIIN 3-point Hitch - 11,000 lb
Front PTO - 140 hp, 1,000 rpm
Rear PTO - 160 hp, 1,000 rpm
Hydraulic dump box - 12 yard struck
3' x 12' front sweeper
12' snow plow, 10' snow blower
Strobe light bar
HID lighting

Note: Custom Chassis, Inc. reserves the right to change these specifications without notice and without incurring any obligation relating to such change.