UT3812 POWERPLATFORM™

Engine:

Model . . . . . Cummins QSB 6.7
Type . . . . . 4 Stroke, turbo charged diesel
Emissions . . . . . US EPA Tier 3
Cylinders . . . . . Inline 6
Displacement . . . . . 409 in^3 (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.

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