

Truck Specifications for Cab & Chassis
Set-forward Axle Truck Package

General Service

Truck Configuration
Construction Service
End Dump Body
Dirt/Sand/Rock Commodity
Maximum 10 % off Highway Terrain
Rough, Maintained, Concrete/Asphalt
Maximum 8% Expected Grade
Domiciled, USA 49 States
Exp. Front Axle Load – 18,000 lbs.
Exp. Rear Axle Load – 23,000 lbs.
Exp. GVW Capacity – 39,000 lbs.
Maximum Exp. GCW – 44,600 lbs.

Truck Service

Truck Body Length – 10.0 ft.
Cab to Body Clear – 4 in.

Engine

300 HP @ 2000RPM, 2400 Gov RPM 860 lb/ft @ 1200 RPM, 2400 RPM
Governed Speed #2 Bell Housing.

Engine Equipment

Oil check & fill: Oil fill & dipstick for enhanced serviceability.

Specifications

Air Intake: Dual through LH & RH sides of hood with snow valve operator
controlled
Air Cleaner: Donaldson Dual Element
160 AMP Alternator Delco
Batteries: (2) 12 volt alliance 2500 CCA w/stud posts
Battery Box: Frame mounted RH under cab with aluminum cover
Jump Start Provision: Positive & Negative post

Driver controlled engine compression brake
Clutch: None
Bendix Air Compressor
 Engine Protection: Electronic engine – integral warning system & derate
 Exhaust: Single RH horizontal muffler cab mounted vertical tail & under
 frame routing.
Exhaust Piping: Turn out stack horizontal muffler, vertical T/P, RH cab mounted
under Cab.
Muffler Shield: Aluminum muffler/tail pipe shield.
Fan Drive: On/off rear air engine automatic
Air Conditioner
Fuel Filter. Spin on
Full flow of oil Filter
Radiator 1200 Sq. in. aluminum with additional cooling capacity
Heavy Duty Coolant: Ethylene Glycol pre-charged SCA to -30F
Coolant Hose: Gates blue stripe hoses
Constant Torque Clamps: Constant torque for coolant hose 1" inside DIA &
Larger
Radiator Draincock
Front Engine PTO: Provision
Engine Heater: Phillips 1000 watt/110-120v
Heater Receptacle: Mounted under LH door
Glow Plug: Air intake warmer
Starter: 12v Delco 41 MT 400 Series
Engine Supports: Compression type front engine mounts
Fuel/Water Separator with thermostatic fuel temperature controlled electric
heater, and filter restriction/change indicator, includes standard equipment
water-in-fuel sensor

Transmission & Equipment

Transmission: Allison MD3500-RDS-P – 4th generation controls
5-SPD Construction Special MD/HD with overdrive and oil level sensor and PTO
Provision
Transmission Programming Interface wiring: Circuit access box mounted end of
Frame
Fill/Drain Plug: Magnetic plugs, engine drain, transmission drain axle(s) drain
Shift Lever: Dash Mounted push button
Transmission Rear Support
Transmission Oil temperature gauge
Transmission Sift Control, push-button type.
Automatic neutral when parking brake is engaged.
Allison spare input/output
Synthetic Transmission Oil
Oil cooler, auto transmission water to oil For Allison

Front Axle & Suspension

Front Axle: Meritor MFS-18-143A wide track 18,000
Front Brakes: Meritor Cam 16.5 x 5 Q-Plus SRS
Front Brake Linings: Non-Asbestos
Front Brake Drums: Inboard mounted cast iron
Font Brake Dust Shields
Front Oil Seals: Stemco Guardian High Performance
Front Auto Slack Adjusters: Haldex
Power Steering: (2) Dual Power Steering Gears
Front Susp: Flat Leaf @ 18000# multi-leaf 54" spread with right side auxiliary air bag driver control
Spring Pin Bushings: Bronze or maintenance free – rubber or nylon
King Pin Bushings: Standard

Rear Axle & Suspension

Rear Axle: Meritor RS-23-160 23000#5.63 rear axle ratio with differential lock
Rear Axle Carrier Housing: Iron
Main Driveline: Spicer 1710 HD w/half round yokes driver controlled differential lock for single drive rear axle
Lubrication: Mobile synthetic SAE 75W-90 for rear axle(s)
Rear Brakes: Meritor Cam 16.5 x 7 Q Plus HD
Rear Brake Linings: Non asbestos
Rear Brake Drums: Inboard mounted cast iron
Rear Brake Dust Shields
Rear Axle Oil Seals: Chicago Rawhide
Parking Brake Chambers" MGM TR (2) Axle
Rear Auto Slack Adjusters: Haldex
Rear Susp.: 31,000# multi-leaf spring w/four leaf helper – 4500 lb. capacity

Brake System Equipment

Anti-lock Braking system: Bendix 4 sensor/4 modulator
Chassis Air Lines: Reinforced nylon
Brake Values: Standard
Rear Service Brake Valve: Relay valve with 3-4.5 PSI crack pressure no rear proportioning valve
Air Dryer: with heater
Air Reservoirs: Steel
Air Tank Drain Valves: Cables all tanks
Air Tank Location: 2 tanks mounted outside right frame rail under cab on step mounting brackets

Frame & Wheelbase

165 WB CA:102" Clear CA
7/16" single frame 120,000 PSI
Frame Overhang: 39"
Front Frame Extension: 20.3" Integral
End Frame: Square
Midship Crossmember: Steel c-channel with bolted construction
Rearmost Crossmember: Standard

Specifications Chassis Equipment

Chassis Fasteners: Huckspin round collar

Fuel Tanks & Equipment

RH Fuel Tank: None
LH Fuel Tank: 70 Gallon rect aluminum shallow depth under cab
Fuel Tank: Rectangular
Fuel Tank Bracket Material: Steel
Fuel Tank Band Finish: Aluminum fuel tank with painted bands with aluminum steps
Fuel Tank Location: Clear CA
Fuel System: Equiflo Inboard
Fuel Hose: Braided wire reinforced

Front tires, Hubs & Wheels

Goodyear G159 12R22.5 16 Ply or Equal
Front Hubs: Gunite iron
Front Wheels: Accuride HP 10 Disc Hub Pilot steel 22.5 X 8.25 FRT with .472" thick Increased capacity disc and steel hubs

Rear Drive Tires, Hubs & Wheels

Goodyear G-164 12 Rss.5 16 Ply or Equal
Rear Hubs: Gunite Iron
Rear Wheels: Accuride HP Disc Hub Pilot steel 22.5 X 8.25 RR with .472" thick Increased capacity disc and Steel Hubs

Cab Exterior

Cab: 101" BBC Conventional Steel
Cab Mounts: Rubber, rear air bag
Grab Handles: LH/RH Exterior Bright Finish
Grille: Radiator Mounted Bright Finish
Hood: Fiberglass with full butterfly opening for engine access
Air Horn: Dual Hadley long rectangular w/dual base bright aluminum
Electric Horn: Dual
Horn Shield: Dual
Headlights: Single Halogen with painted Bezels
Marker Lights: Aerodynamic, small
Stop/Tail/Turn Lights: Grote flush MTD at end of frame
Turn Signal: Front Lamps
Primary Mirrors: Dual Stainless steel heated w/lights door mounting of mirrors.
Power both sides
Trailer/Body width: 102" for mirrors
Auxiliary Mirrors: LH/RH 8" Bright finish convex heated mounted under primary mirrors – LH and RH Hood mounted, heated convex mirrors bright finish
Rear Window: Tinted
Door Windows: Tinted w/operating door wing window
Window Regulators: Power
Heated Windshield: tinted – single piece
Windshield Washer Reservoir: 8 liter
Exterior Sun Sade Aerodynamic, painted roof color, Include integral clearance/marker lights

Cab Interior

Interior trim: Premium
LH Upper Door Trim: Molded door panel with upper and lower inserts
RH Upper Door Trim: Molded door panel with upper and lower inserts
Floor Mats: Vinyl mats with single insulation - Black
Dash Mounted ash Trays & Lighter and cup holders
Heater and Defroster and Air Conditioning
Heater Plumbing: Standard with shut off valves
Electrical: Circuit fuses
Wiring Schematic Card: Unmounted for 12 V Neg. ground system
Interior Lights: Center mounted dome & door courtesy lights in kick panels
Door Latch: with Power Locks
Driver's Seat: National High back air suspension with air lumbar
Passenger Seat: National High back air suspension with air lumbar
Battery disconnect switch in cab mounted

Drivers & Passengers Seat Covers: Cloth
Seat Belts: 3 point Adjustable D-ring Retractor Driver & Pass
Steering column: Tilting and Telescoping
Steering wheel: 18" two-spoke black, leather wrapped
Interior Sun Visors: Driver/Pass
HVAC Fresh Air Filter

Instrument Panels & Controls

Instrument Panel center section ergonomic panel
Headlight warning buzzer
Accessory wiring, special for road speed, wire coil under instrument panel for
body builder
Gauge Package: Electronic
Instrument Package: STD Calibration
Instrument Cluster: With Integral gauges
Low Air pressure Warning: Light and buzzer
Air system gauge: Dual needle primary & secondary air pressure gauge
Air Restriction Indicator: Dash Mounted
Cruise Control: Switches in steering wheel spokes
Starter Control: On/Run/Start/Acc
Message Center: Warning lamp/light bar display, nondata linked
Fuel Gauge: Electric with low fuel warning light and buzzer
Water Temperature Gauge: Electric with low coolant level with audible alarm
Engine Hour Meter: Hobbs, Integral with tachometer, oil pressure activated
Oil Pressure Gauge: Mechanical
Radio: AM/FM –blue tooth- WB Stereo with (2) cab speakers
Radio Antenna: AM/FM mounted RH side cowl
CB Radio Provisions: Power & Ground Terminals for C/F CB Radio
Speedometer: Electronic with Odometer (MPH)
Tachometer: Electronic 3500 RPM
Transmission Oil Temperature Gauge
Safety Package- Integration Features including Park Brake alarm, pre-trip light
inspection, headlight on with wipers and force wipers to slow

Specifications

Switch for driver controlled engine compression brake
Additional Switches: (6) in dash Body builders wiring harness with power module
6 channel & multi module mounted inside the cab
Backup alarm: 102 DBA
Voltmeter
Windshield Wiper Control: Electric with delay
Parking Brake System: 1-Valve system with warning indicator

Turn Signal Switch: Self-canceling with integral headlight beam, 4 way flasher
Turn Signal Flasher: Heavy duty
Switch for Driver Controlled Differential Lock in Dash
Switch and wired for plow lights with 3' of harness for plow lights
Electric trailer brake lights accommodation package to rear of frame. Includes
Electric Trailer brake package with cab connections for mounting
customer Installed electric brake unit.
Body Builder wiring to back of frame. Includes sealed connector for tail/amber
turn/marker/back-up/accessory power/ground and sealed connector for
stop/turn

Paint

One Color Design

Cab Color A: Base/clear coat Red

Chassis Color: Black : High Solids polyurethane

Front And Rear Hubs: Black: high Solids polyurethane

Front and Rear rims: White: High solids polyurethane

Extended Warrantees:

Need Separate prices on:

60 month/unlimited miles Allison Extended Warranty
72 month/150,000 miles/5400 hours- extended engine
Electronics, including injectors, 100% P & L
72 month/150,000 extended basic warranty, including
Towing.