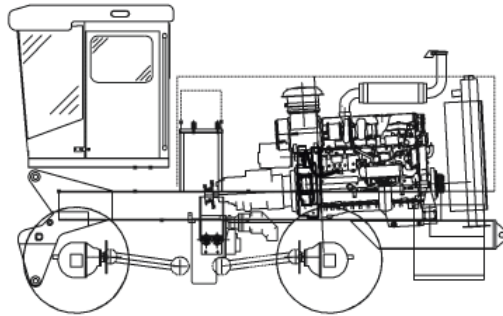
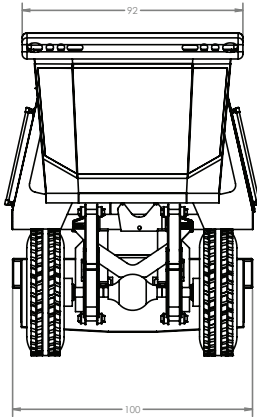
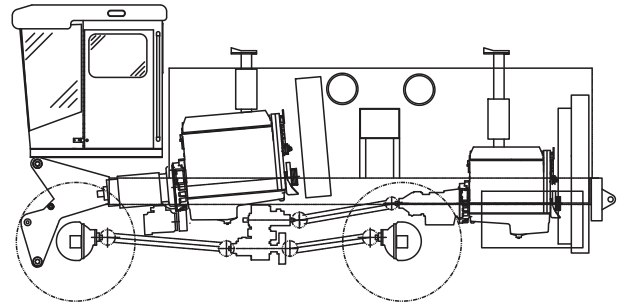


# KODIAK CHASSIS



SINGLE ENGINE CHASSIS



DOUBLE ENGINE CHASSIS

## CHASSIS SPECIFICATIONS:

### AIR CLEANER

Type: Dry, two-stage with safety element • Underhood and/or outside air intake selector

### AXLES

27,000 LBS - 50,000 LBS

### AIR BRAKES

Type: Drum or Disc • Spring Mounted  
• Standard or Anti-lock

### CAB CONSTRUCTION

Extra heavy duty • Corrosion Resistant  
• Steel & fiberglass body • Full-length steel piano type door hinges • Fully rust proofed • Panoramic reverse slope windshield • Power windows left & right • Stationary rear window • Dome lights • Courtesy entry lights • Tinted safety glass • 72 inch cab width • Four point rubber mount

### STANDARD ACCESSORIES

Electric air horn • National standard plus or Bostrom air ride drivers seat center mounted • Fold-up passenger jump seat • 55,000 BTU heater/defroster • Digital Climate Control  
• 12 volt power outlet • Cup holders  
• (2) doors • Electric, heated West Coast type mirrors with separate remote adjustable heated spotter mirrors • Ether starting aid  
• Keyed chassis engine • Floor mat

- Fresh air type heater and defroster
- Grab Handles • Three electric windshield wipers mounted below windshield with intermittent speed control • Cancelling turn signals
- Side window defrosters • Sun visors, full width front • Tilt/telescoping steering wheel • Windshield washer
- Three point seat belts • Digital clock

### INSTRUMENTATION

- Plus 1 electronic control package
- LCD dash screen on console
  - Speedometer • Odometer
  - Tachometer • Hour meter
  - Voltmeter • Air system pressure
  - Fuel Level with low fuel level warning
  - Warning icons for: Low Air Pressure, ABS Fail, ABS Communication lost, Engine Stop, Engine Fail mode, Low Voltage, Engine overheat, Engine low oil pressure, Transmission overheat, Transmission fail, Transmission communication lost, Hydraulic temperature, Hydraulic fluid level, Parking Brake Applied
  - Low transmission oil sensor
  - Transfer case range
  - Traction enhancement locked/unlocked • Transmission gear selection

### CHASSIS EQUIPMENT

Air dryer • Backup alarm • Crankshaft PTO adapter • Dual 150 gallon fuel tanks or single up to 600 gallons

- Flat top steel fenders • Full enclosed catwalks • Heated fuel/water separator • Mud flaps front & rear tires • One piece steel engine cover with large gull-winged access doors • Vertical exhaust with stainless steel shield

### COOLING SYSTEM

Radiator Core: Fin & tube type with built-in deaerations system • Horizontal flow  
Frontal Area: 1,080 in<sup>2</sup> minimum  
Radiator Construction: Bolted with built-in deaeration system  
Charge Air Cooler: Cooling flow parallel to radiator  
Fan: Engine manufacturer recommended fan

### DRIVE ENGINE

250-580 HP

### ELECTRICAL SYSTEM

Alternator: 145 amp -270 amp chassis engine driven  
Lighting: 12 volt  
Starting: 12 or 24 volt  
Battery: Four 12 volt, 950 CCA each @ 0°F. (3800 CCA Total)

### CAB

Cab Rear or Cab Over



# KODIAK CHASSIS

## FRAME

Material: Carbon manganese steel, heat-treated

Type: Single formed channel

Yield Strength: 120,000 psi {827 Mpa} minimum

Section Modulus: 24.85in, cubed per rail

RBM: 2,857,750 in-lb per rail

Construction: Grade 8 flanged bolts and flanged lock nuts

Front Frame Extension: 24 inches

Rear Tow Hooks: Two (2)

Bumper: Straight rear, full width

## LIGHTING

Cab-mounted headlights with integral turn signals • Clearance and marker lights to comply with federal regulations • Engine compartment lights • Roof mounted strobe light • Dual back-up lights • Dual stop, tail, turn signal lights (LED) at rear • Work lights

## PAINT

Acrylic urethane • Epoxy primer • One color, customer preference

## PROPELLER SHAFTS

Make & Model:

Dana 1710-1810 Series

Dynamically balanced

## STEERING SYSTEM

Make & Type: Sheppard 592S integral hydraulic power gear

4-Wheel Steer: Plus 1 Electronic Package

Chassis Hydraulics Warning System: Low level/high temperature

## SUSPENSION

Front & Rear Type:

Betts Semi-elliptic spring

Main: 7 leaf, 48 x 4 in.

Auxiliary: 4 leaf, 32 x 4 in.

Rating: up to 50,000 lbs

## TIRES

Make & Tread: Bridgestone VHS

Size: 385/95R24



## TRANSFER CASE

Make & Models: Marmon-Herrington Series, Fabco Series

Speeds: Two with Marmon Smart Shift

## TRANSMISSION

Allison® 4th generation

4-5 speed electronic

1st.....3.51:1

2nd.....1.91:1

3rd.....1.43:1

4th.....1.00:1

Reverse.....4.80:1

## CHASSIS OPTIONS

### ACCESSORIES

Air conditions (n/a with auxiliary heater) • Auxiliary heater • Heated side window wipers • Heated windshield • Heated front wipers • National Premium heated driver's seat with 3-way air adjustable lumbar support • AM/FM radio with weather band & CD player • Deluge System • Lubrication data plates

### ATTACHMENTS

Snow Blowers • Various broom packages • Underbody scraper (chassis only) • Push Plow

### DRIVE TRAIN

Different horsepower engines • Allison 4th Generation 4500 transmission • All Wheel Electronic Steer • Driver controlled and automatic lock/unlock transfer case • External air intake

## VEHICLE RATINGS

Rating at Axle Hubs:

Front: 27-37,000 lb.

Rear: 27-37,000 lb.

Total: 54-74,000 lb.

## WHEEL BASE

108-164 inches

## WHEELS

Type: Steel Disc • 24.00 x 12 inches

## ELECTRICAL SYSTEM

160-270 amp high-output alternator • HID and other lighting • On-board battery charger • Battery Disconnect at battery box

## FRAME AND CHASSIS

Single & double side fuel fill • 110-volt in-tank fuel heater • Centralized side drain kit • Quick hitch for mounting broom, blower or plow attachments • ADIP air dryer • Shock absorbers • Pintle hitch

## TIRES & WHEELS

Michelin Tires

## WINTERIZATION

Engine block heater, 1500 watts

• Battery Heater, 300 watts & in-tank fuel heater • Jumper lugs at battery box

\*Consult factory for complete option list and option compatibility. Other engine ratings are available