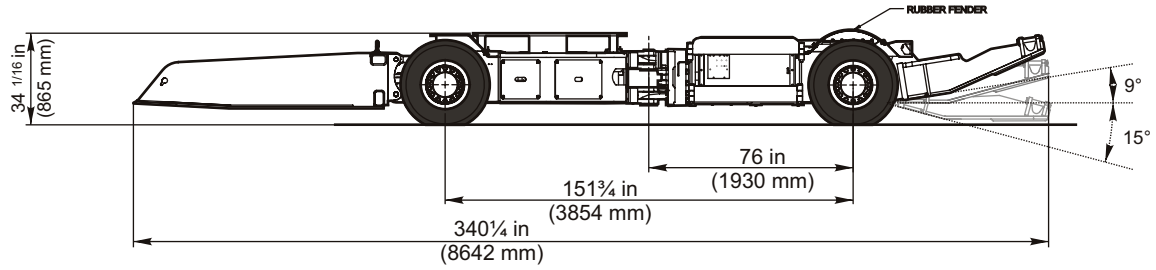
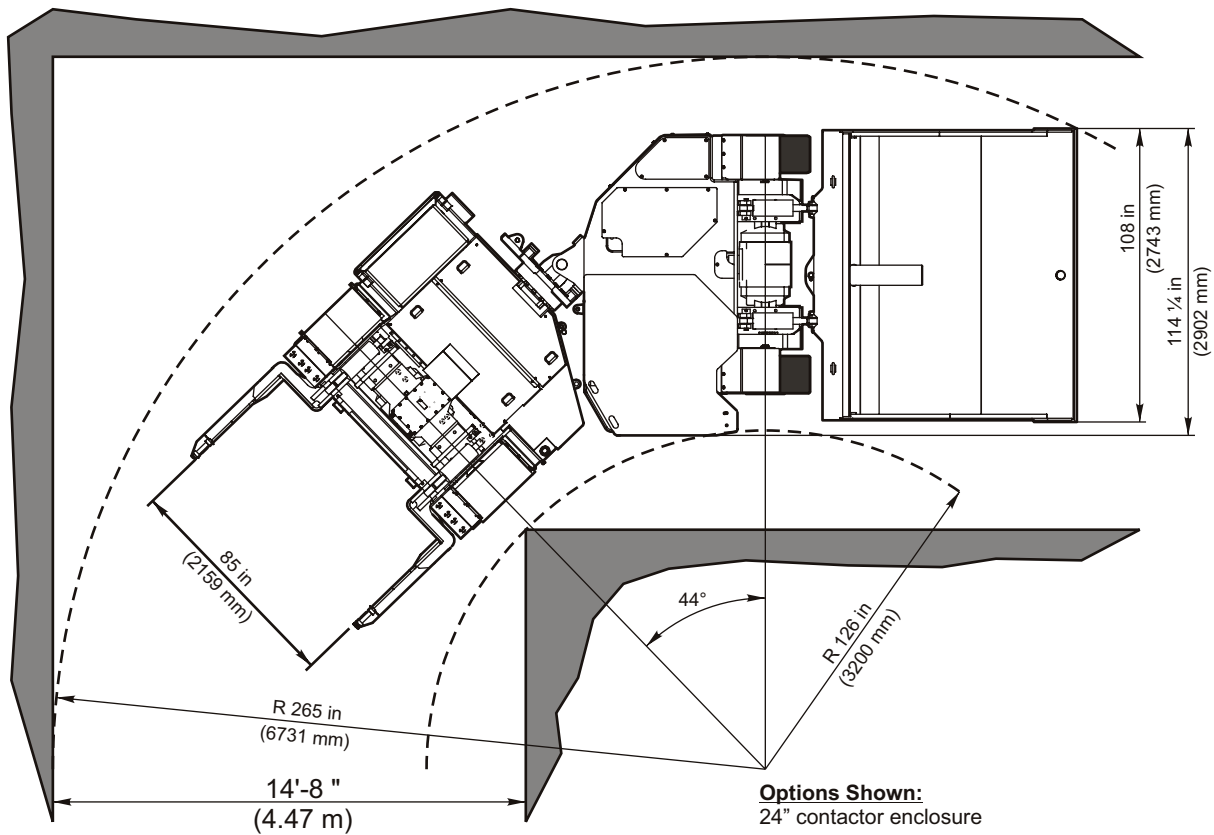


## General Arrangement



Tires Shown	33 in (838 mm)
Ground Clearance	6 in (150 mm)



## Standard Unit Specifications

### General Information

#### Main Dimensions

Total length	8 642 mm	340¼ in
Bucket width	2 743 mm	108 in
Maximum width	2 902 mm	114¼ in

#### Turning Radii

inner	3200 mm	126 in
outer	6731 mm	265 in
Turning angle	44 °	

#### Operating Weights

Operating weight (less battery)	13 608 kg	30 000 lb.
Weight of 1000 Ah battery	5 500 kg	12 000 lb.
Total operating weight	19 051 kg	42 000 lb.

#### Loaded Weight

Total loaded weight	26 308 kg	58 000 lb.
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#### Capacities

Tramming capacity	7.3 tonnes	8.0 tons
Standard bucket (SAE Heap)	2.8 m <sup>3</sup>	3.7 yd <sup>3</sup>

#### Tram Speed (Level Ground, Unloaded)

0 - 9.6 km/h	0 - 6.0 m.p.h.
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#### Frame

Rear & front frame	Welded steel box construction
Material	G40.21 - 50WT. Cat.#3
Central hinge	Rotek bearing, continuous rotation
Tank is integral to frame.	

### Power Train

#### Motor

Type	DC, MSHA Approved
Output	52 HP (38.8 kW) @ 1225 rpm

#### Pump Motor - Hydraulic Drive

Type	DC, Compound Wound, MSHA Approved
Output	20 HP (15 kW) @ 1750 rpm

#### Transfer Case

Durst	Offset Ratio: 3:47:1
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#### Axles

Front axle	John Deere TeamMate II 1200 series, differential lock, fixed
Rear axle	John Deere TeamMate II 1200 series, differential lock, fixed

#### Standard Brakes

Service brakes on all wheels are liquid cooled multi-disc brakes with two separate circuits for the front and rear axles.

#### Main Components

Pressure accumulator	Bladder type
Brake pedal valve	Modulated

#### Tires

Tire size	350/65R15 radial
Type	Foam Filled

### Systems

#### Hydraulics

Full hydraulic open-centre system with one gear pump. Equipped with a manual operated control levers, one steer cylinder, one ejector cylinder and two tilt cylinders and two battery lift cylinders.

The patented ground base battery change system handles up to 1000 amp hour battery.

#### Main Components

Hydraulic pump	21 gpm pump at nominal pressure	
Control valves	Manual operated	
Hyd. oil tank	114 L	30 US gal.
Steering cylinder	EJC 4" bore x 2" rod, 25.75" stroke	
Ejector cylinder	3 stage telescopic EJC 6.5" bore x 5.25" bore x 4" bore, 60" stroke	
Bucket tilt cylinders	EJC 6" bore x 2.25" rod, 10" stroke	
Battery lift cylinders	EJC 5" bore x 2" rod, 10" stroke	

#### Electrical System

##### Main Components

Driving and working lights	Dual front and rear.
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## Other Standard Equipment

- Hydraulic gauges
- Central manual lubrication system
- SAHR parking brake
- IGBT controller with diagnostic read-out - 2000 amp
- Manual fire suppression system, Ansul
- Fenders
- Park brake tram inhibit with LED indicator
- Venturi powerfill system
- "D" type tow rings
- SAE, JIC hydraulic fittings and hose ends
- Hydraulic P.T.O.

## Manuals

Three copies of the parts, service and operator's manuals are delivered on CD-ROM in Adobe Acrobat (PDF) format.

## Optional Equipment Specifications

### Available Add-On Options

- Clean bucket with dual eject cylinders
- Master battery tray, ground base
- 14.5 R 15 Tires (35")
- Hand held IGBT Analyser
- Auto / Manual fire suppression system
- Schroeder test mate blocks
- Left hand steering
- Tandem gear pump 14/7 gpm
- Deck extension
- Over speed control
- Winch, 10 000 lb.
- 32' or 50' Jumper Cable
- Paper manuals
- Laminated paper manuals