GROSS ENGINE HORSEPOWER
1050 hp - 783 kW

MAXIMUM GVW-APPROXIMATE
1,369,614 lb - 621,246 kg
5225C BOTTOM DUMP SALT HAULER

WALK-AROUND

Operators Station and Control
• Spacious Cab with Excellent Visibility
• Two Full Access Doors For Easy Entry
• Ergonomically Designed Cab
• Dual Digital Instrumentation Display
• Full-size Driver and Trainer Air Ride Seats
• Acoustically Engineered and Vibration Isolated

Safe • Simple •
WALK-AROUND

Power Train
- Optional Cummins QST30 Tier II Engine
- Optional MTU 2000 Tier 4i Engine
- Allison H9610 Six Speed Transmission
- Dart D300 Drive Axle Assembly
- Gear Ratio Matched to Mine Specific Application

Structures
- Proven Durable Dart Box Beam Frame
- Integral Operator Diagonal Boarding Stair
- Decking and Railing for Operator Safety
- 775 Gal Fuel Tank Provides Hours of Operation
- Trailers with Large Access Covers for Service and Visible Checks
- Isolated Steering Tank Oil Reservoir
- Automatic Lubrication System

Brakes and Pneumatics
- Dry Drum Friction Brakes
- Pneumatic Braking System
- Gear Engaged Parking Brake
- Easy to Service Air tanks
- Drive Axle and Trailer Axle Brakes
- Brake Fluid or Mineral Oil Braking fluid

Suspension
- Large Front Gas-oil Strut Suspension
- Drive Axle Rubber Column Suspension
- Five Rod Frame to Axle Connection System

GROSS ENGINE HORSEPOWER
1050 hp - 783 kW

MAXIMUM GVW-APPROXIMATE
1,369,614 lbs - 621,246 kg

Durable • Innovative
**CUMMINS ENGINE**

Model: Cummins QST30  
Type: Water-cooled 4-cycle  
Aspiration: Turbo-charged/charge air-cooled  
Number of Cylinders: 12  
Bore and Stroke: 5.51” x 6.50”/140mm x 165mm  
Rated Horsepower: SAE J1995 Gross 1050 HP/783 kW @ RPM 2,100  
Fan Drive Type: Thermostatic hydraulic—clutching  
Maximum Torque: 3414 lb. ft./4629 N-m  
Fuel System: Direct injection  
Governor: Electronic control  
Lubrication System: Gear pump, force-lubrication  
Filter: Full-flow type  
Pre Lube System  
Air Cleaner: Dry type / double elements pre-cleaned with dust indicators  
*Optional* 1,200 Horsepower engine available  
*Optional Tier 4 engine configuration available*

**MTU ENGINE**

Model: MTU 12V 2000 C66 Tier 4  
Type: 12V  
Aspiration: Two-stage turbocharge / air cooled  
Number of Cylinders: 12  
Bore and Stroke: 5.3” x 6.15”/135mm x 156mm  
Rated Horsepower: 12V–1050 HP/783 kW @ RPM 2,100  
Fan Drive Type: Thermostatic hydraulic - clutching  
Maximum Torque: 12V–3423 lb. ft./4640 N-m  
Fuel System: Electronically controlled common-rail injection system  
Governor: Electronic control  
Lubrication System: Forced feed lubricating system with piston cooling  
Filter: Multi-stage oil filter  
Pre Lube System  
Air Cleaner: Dry type / double elements pre-cleaned with dust indicators

**SERVICE CAPACITIES**

Fuel Tank (standard)....................775 U.S. Gal. - 2,933 ltr.  
Engine Oil.................................37.5 U.S. Gal. - 142 ltr.  
Steer Wheels (each end)............1.75 U.S. Gal. - 6.7 ltr.  
Planetaries (each end)................17.5 U.S. Gal. - 66 ltr.  

**DRIVE AXLE**

DA300 - Cast drive axle housing with bolt on stub ends.  
Double reduction gearing with two piece axle shafts and continuous pressure lubrication, filtration, and oil cooling.  
**GEAR RATIO:**  
Differential............3.84:1  
Planetary.............7.85:1  
Total..................30.14:1
STEER AXLE / STEERING

Meets SAE J1511, ISO 5010

SA132 – Steer axle beam is rigid box construction with knuckle type spindles and king pins.

Hydrostatic power steering system using twin double acting hydraulic cylinders.

Independent 60 gallon oil reservoir with 6 micro filter.

Supplementary steering electrically driven hydraulic motor allowing three full 90° turns in the event of engine or pump failure

Maximum Steering Angle..................................................40°

Wall to Wall Turn Clearance..............................................82 ft - 25 m

MAIN FRAME

Type.........................190° Wheel Base Box Section Structure

Strategically located castings for high stress areas with integral front bumper and operator staircase. Front tow hooks standard.

BRAKES

Drive Axle - Air over hydraulic dry drum braking system

Trailer Axle - Air over hydraulic dry drum braking system

Size: Rear/Trailer.......36"X12" dual shoe, 2 wheel cylinders

Service Brake - Pedal operated and modulated up to 100 % of braking effort.

Park Brake - Axle locking, heavy duty gear mesh engaged.

Emergency Braking - All wheel brakes applied.

RIMS / TIRES TRACTOR

Standard Rim Assembly..........................22 x 51

Standard Tire....................................................30.00R51

RIMS / TIRES TRAILER & DOLLY

Standard Rim Assembly..........................24 x 51

Standard Tire....................................................33.00R51

TRANSMISSION

Model........................................Allison H9610 Remote Mounted

Torque Convertor..............3-Element, 1-Stage, Polyphase

Transmission...........Constant Mesh Spur Type Planetary

Lockup Clutch.............Wet, Hydraulic Multi-Disc Clutch

Shift Control.....Fully Automatic CEC5 Electronic Controls

Gear Range.........................6 Forward Speeds, and Reverse

Ranges / Ratio: 1st - 4.24:1 4th - 1.67:1

2nd - 3.05:1 5th - 1.00:1

3rd - 2.32:1 6th - 0.72:1

Reverse: 1st - 5.75:1

SUSPENSION

Steer - Two low pressure nitrogen charged oil filled self contained hydraulic struts with five rod axle to frame connections.

Drive - Eight rubber column elements with frame mounted “J” bracket rebound mechanisms. Rebound brackets include rubber load pads.

Trailer - Direct axle to trailer frame mount.

Dolly - Eight rubber column elements with frame mounted “J” bracket rebound mechanisms.

SAFETY

• Ground Level Engine Shutdown

• Slip Resistant Foot Traffic Areas

• Lock Out / Tag Out Location

• Supplemental Steering

• Boarding and Decking Handrails/Toe Boards

• Mud Flaps

• 18 Nozzle Fire Suppression System

• 10 lb. Hand Held Fire Extinguisher
# 5225C BOTTOM DUMP SALT HAULER

## SPECIFICATIONS

### TRAILER BODY

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Struck</td>
<td>178 yd³ - 136 m³</td>
</tr>
<tr>
<td>Heaped (3:1 SAE)</td>
<td>205 yd³ - 157 m³</td>
</tr>
<tr>
<td>Payload</td>
<td>225 tons - 204 Mt</td>
</tr>
<tr>
<td>Total Payload (combine)</td>
<td>450 tons - 408 Mt</td>
</tr>
</tbody>
</table>

### TRAILER HITCH

- 20” diameter universal ball hitch with bronze bushings in all tractor and trailer locations.

### TRAILER PNEUMATICS

Each trailer has its own set of air components designated to work the respective trailer.

- Model TA311 tubular axle with bolt on stub ends, oil lubricated wheel bearings and outboard bolt on brakes.

### DOLLY AXLE

Model TA311 tubular axle with bolt on stub ends, oil lubricated wheel bearings, no brakes.

### ELECTRICAL SYSTEM

- Electrical System: 24V
- Alternator 100 Amp: 24V
- Batteries 8D: 2
- Headlights–HID: 4
- Clearance/Parking Marker Lights - LED: 4
- Stop/Tail Lights - LED: 2
- Turn Indicators - LED: 6
- Reverse Lights - LED: 2
- Reverse Alarm: 1
- Engine Compartment Lights - LED: 2
- PowerPort - 12 VDC: 2
- Ground Level Engine Shutdown: 1
- Master Battery Disconnect - Lock Out/Tag Out: 1
- Air Starter: 2

### CAB

- Two Full-Size Cab Access Doors
- Operator and Passenger Slide Windows
- Center Console Contains Transmission Gear Selector
- Tilt and Telescoping Steering Column with Integral Horn Button
- Pressurized, Filtered Heater, Air Conditioner, Defrost
- Air Suspension Severe Duty, Operator and Passenger Seats with Built in Air Compressor
- 3-Speed Widshield Wipers with 1 Gallon Wash Tank
- Operator Accessible Sealed Rocker Switches for Trouble Free Operation
- Engine and Transmission Diagnostic Ports
- AM/FM Radio with Auxiliary Input Jack.
- Easy Access Circuit Breaker Panel
- Turn Signal Switch and Headlight Dimmer
- Dual Cup Holders in Center Console
- Mounting and Pre-wired for Two-way Radio
**PERFORMANCE**

**OPTIONS**

**Electrical System**
- Fog Lights
- High Capacity Alternator
- Bluetooth Radio
- Extra Truck Lighting

**Other**
- Transmission P.T.Os and Pumps
- Ground Level Remote Jump Start Station
- Vehicle Safety Striping
- High Efficiency Fan

**Cold Weather**
- Fuel Heater
- Engine Pan Heater
- Transmission Pan Heater
- Engine Coolant Heater
- Heated Mirrors

**IN DASH DISPLAY**
- Twin Full Color Powerview LCD Displays That Monitor Vehicle Functions, J1939 Compliant
- Speedometer - Fuel Level - Differential Temperature
- Tachometer - Activation Indicators
- Gear Selected//Lock Up Indicator - Voltmeter
- Warning and Fault Indicators - Hour Meter
- Air Filter Restriction Indicator - Park Brake
- Engine Oil Pressure, Temperature
- Transmission Pressure, Temperature
- Coolant Temperature - Hydraulic Temperature

### Dimensions

- **Height**: 18' 6" (5600 mm)
- **Width**: 5' 0" (1829 mm)
- **Length**: 52' 10" (16050 mm)
- **Track**: 14' 0" (4267 mm)
- **Overhang**: 20' 8" (6295 mm)
- **Door Opening**: 35' 0" (10670 mm)

### Weight

<table>
<thead>
<tr>
<th>Weight (LB)</th>
<th>Weight (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>96,773</td>
<td>43,460</td>
</tr>
<tr>
<td>243,495</td>
<td>109,696</td>
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<tr>
<td>340,266</td>
<td>154,253</td>
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<td>93,763</td>
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<td>106,574</td>
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<td>326,330</td>
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<td>TOTAL</td>
<td>469,614</td>
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<tr>
<td>400,000</td>
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