

Vehicle Tracking Vehicle Details

Ref:

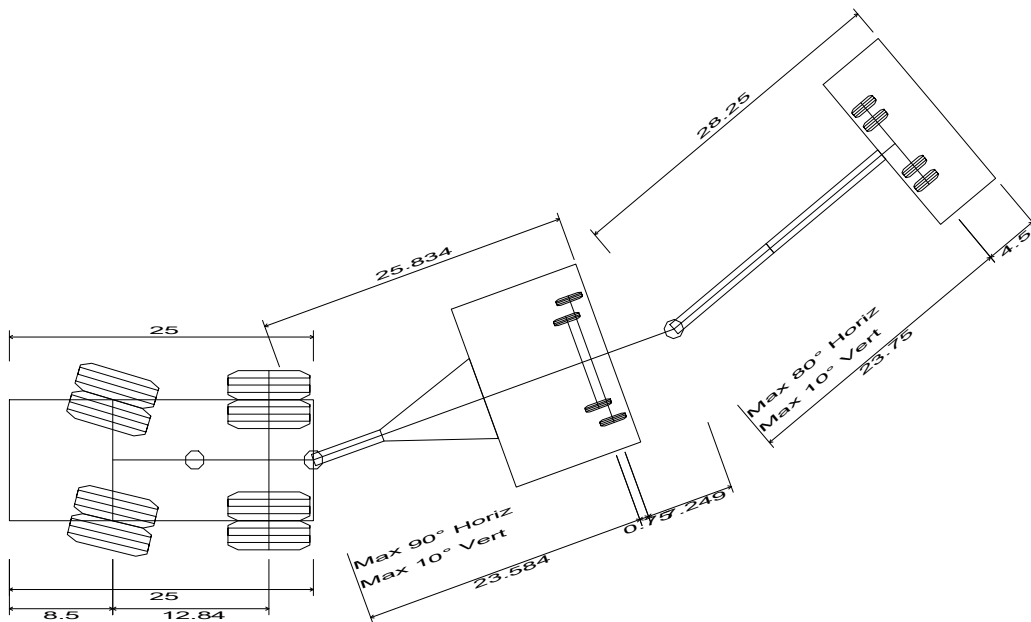
Vehicle Name: Farm Tractor Pulling Cultivator and Rolling Harrow
Type: Articulated vehicle
Category: Autodesk
Classification: Autodesk

Source:

Description:

Notes: No data

Unit 1 Name: Farm Tractor
Unit 2 Name: Cultivator
Unit 3 Name: Rolling Harrow



Farm Tractor Pulling Cultivator and Rolling Harrow

| | |
|------------------------------------|-----------------|
| Overall Length | 84.833ft |
| Overall Width | 15.583ft |
| Overall Body Height | 11.370ft |
| Min Body Ground Clearance | 0.784ft |
| Max Track Width | 14.750ft |
| Lock-to-lock time | 6.00s |
| Curb to Curb Turning Radius | 20.700ft |

Vehicle Tracking Vehicle Details

Ref:

Unit Name: Farm Tractor
Type: Tractor (with driver controlled steering)
Body style: Farm Tractor
Classification: (Unspecified)

Source: No data

Description: No data

Notes: No data

Datum: Front Primary Axle

Front Axle(s): 1 Ackerman (axles fixed, wheels turn)
Primary Front Axle Offset: 0.000ft
Effective Front Axle Offset: 0.000ft (Auto Calculated)
Maximum Wheel Angle: Unlimited
Linkage: Front axles linked to rear axles
Basis: Angle of rear wheels
Rule 1: Forward and reverse from 0.00deg, 0.00 based upon Tangents
Status: Active Non Self-Steered
Track Width: 14.750ft
Total Wheels: 4 (positioned at the ends of the axle)
Tire Width: 2.375ft
Tire Diameter: 6.740ft

Rear Axle(s): 1 Fixed
Primary Rear Axle Offset: 12.840ft (Innermost Axle behind Front Primary Axle)
Effective Rear Axle Offset: 12.840ft (Auto Calculated)
Maximum Wheel Angle: Unlimited
Status: Active Non Self-Steered
Track Width: 14.750ft
Total Wheels: 4 (positioned at the ends of the axle)
Tire Width: 2.375ft
Tire Diameter: 6.740ft

Steering: Front Axle(s):
Min. Curb / Curb Turning Radius: 20.700ft (based upon active axles only)
Calculated Maximum Wheel Angle: 76.500deg
Lock-to-Lock Time (Fwd/Rev): 6.0sec / 6.0sec
Driver / Pilot:
Driver Offset Longitudinally: -3.579ft (in front of Front Primary Axle)
Driver / Pilot Offset Laterally: -1.969ft (Right of Centerline)
Driver Height: 6.496ft (Above ground level)

Front Coupling: Generic
Coupling Offset: -6.740ft (in front of Front Primary Axle)
Coupling Height: 3.370ft (Auto Calculated - proportion of Tire Diameter)
Capability: Can Tow or be Towed
Max. Horizontal Articulation Angle: 42.000deg
Max. Vertical Articulation Angle: 10.000deg

Rear Coupling: Generic
Coupling Offset: 16.500ft (behind Front Primary Axle)
Coupling Height: 3.370ft (Auto Calculated - proportion of Tire Diameter)

Vehicle Tracking Vehicle Details

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Ref:

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| Capability: | Can Tow or be Towed |
| Max. Horizontal Articulation Angle: | 40.000deg |
| Max. Vertical Articulation Angle: | 10.000deg |

Body outline (plan):

| | |
|-----------------|---------------------|
| Outline Type: | Rectangle |
| Offset (X,Y): | -8.500ft, 0.000ft |
| Length / Width: | 25.000ft / 10.000ft |

Vehicle Tracking Vehicle Details

Ref:

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|-------------------------------------|---|
| Unit Name: | Cultivator |
| Type: | Trailer (no driver-controlled steering) |
| Body style: | Flatbed Semi-Trailer |
| Classification | (Unspecified) |
| Source: | No data |
| Description: | No data |
| Notes: | No data |
| Datum: | Front Coupling |
| Maximum Articulation Angle: | 90deg (to previous unit) |
| Front Axle(s): | None |
| Rear Axle(s): | 2 Fixed (Axles vary) |
| Primary Rear Axle Offset: | 24.334ft (Innermost Axle behind Front Coupling) |
| Effective Rear Axle Offset: | 23.959ft (User Defined) |
| Maximum Wheel Angle: | Unlimited |
| Rear Axle 1 | |
| Status: | Active Non Self-Steered |
| Track Width: | 11.083ft |
| Total Wheels: | 2 (positioned at the ends of the axle) |
| Tire Width: | 0.525ft |
| Tire Diameter: | 2.225ft |
| Rear Axle 2 | |
| Status: | Active Non Self-Steered |
| Axle Offset: | -0.750ft (behind Axle 1) |
| Track Width: | 8.083ft |
| Total Wheels: | 2 (positioned at the ends of the axle) |
| Tire Width: | 0.525ft |
| Tire Diameter: | 2.225ft |
| Front Coupling: | Generic |
| Coupling Offset: | 0.000ft (in front of Front Coupling) |
| Coupling Height: | 1.113ft (Auto Calculated - proportion of Tire Diameter) |
| Capability: | Can Tow or be Towed |
| Max. Horizontal Articulation Angle: | 90.000deg |
| Max. Vertical Articulation Angle: | 10.000deg |
| Rear Coupling: | Generic |
| Coupling Offset: | 31.583ft (behind Front Coupling) |
| Coupling Height: | 1.113ft (Auto Calculated - proportion of Tire Diameter) |
| Capability: | Can Tow or be Towed |
| Max. Horizontal Articulation Angle: | 90.000deg |
| Max. Vertical Articulation Angle: | 10.000deg |
| Body outline (plan): | |
| Outline Type: | Rectangle |
| Offset (X,Y): | 14.917ft, 0.000ft |
| Length / Width: | 10.917ft / 15.583ft |
| Outline Type: | Rectangle |
| Offset (X,Y): | 0.000ft, 0.000ft |
| Length / Width: | 6.000ft / 1.000ft |
| Outline Type: | Line |

Vehicle Tracking Vehicle Details
(continued...)

Ref:

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|---------------|------------------|
| Offset (X,Y): | 0.000ft, 0.000ft |
| Vertices... | |
| 1 | 6.000, 0.500 |
| 2 | 14.916, 3.500 |
| 3 | 14.916, -3.500 |
| 4 | 6.000, -0.500 |

Vehicle Tracking Vehicle Details

Ref:

| | |
|-------------------------------------|---|
| Unit Name: | Rolling Harrow |
| Type: | Trailer (no driver-controlled steering) |
| Body style: | Flatbed Semi-Trailer |
| Classification | (Unspecified) |
| Source: | No data |
| Description: | No data |
| Notes: | No data |
| Datum: | Front Coupling |
| Maximum Articulation Angle: | 180deg (to previous unit) |
| Front Axle(s): | None |
| Rear Axle(s): | 1 Fixed |
| Primary Rear Axle Offset: | 23.750ft (Innermost Axle behind Front Coupling) |
| Effective Rear Axle Offset: | 23.750ft (Auto Calculated) |
| Maximum Wheel Angle: | Unlimited |
| Status: | Active Non Self-Steered |
| Track Width: | 8.750ft |
| Total Wheels: | 4 (positioned at 1.500ft centers) |
| Tire Width: | 0.792ft |
| Tire Diameter: | 2.225ft |
| Front Coupling: | Generic |
| Coupling Offset: | 0.000ft (in front of Front Coupling) |
| Coupling Height: | 1.113ft (Auto Calculated - proportion of Tire Diameter) |
| Capability: | Can Tow or be Towed |
| Max. Horizontal Articulation Angle: | 80.000deg |
| Max. Vertical Articulation Angle: | 10.000deg |
| Rear Coupling: | None |
| Body outline (plan): | |
| Outline Type: | Rectangle |
| Offset (X,Y): | 22.333ft, 0.000ft |
| Length / Width: | 5.917ft / 15.000ft |
| Outline Type: | Rectangle |
| Offset (X,Y): | 0.000ft, 0.000ft |
| Length / Width: | 10.333ft / 1.000ft |
| Outline Type: | Rectangle |
| Offset (X,Y): | 10.333ft, 0.000ft |
| Length / Width: | 12.000ft / 1.000ft |