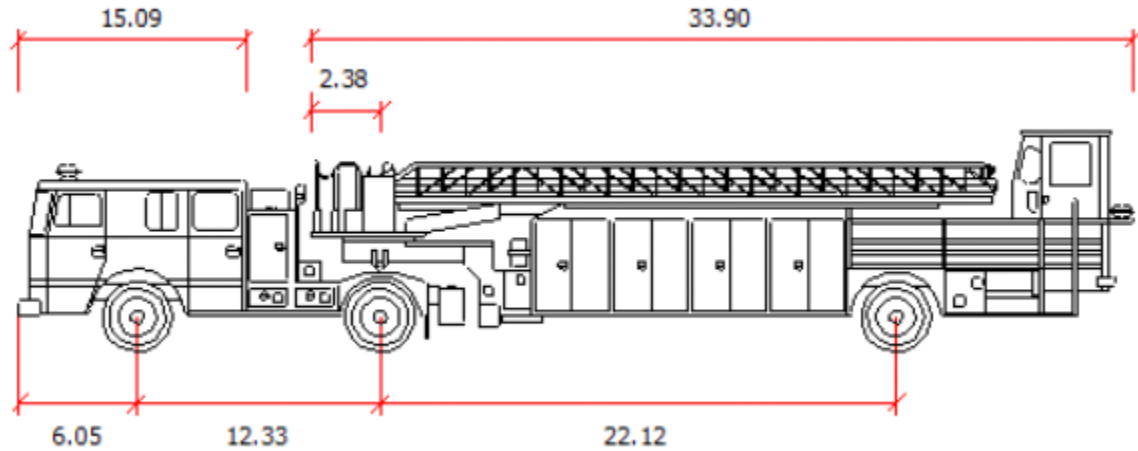


COV Large Fire Truck (tandem)



Vehicle Wizard: Tractor Axles

The wizard assumes that new axles are identical and either Ackerman steered or fixed. To define non-identical axles or to add self-steered or retracted axles click the *Advanced...* button.

Number of front axles

Front track width ft

Wheels on each axle

Number of rear axles

Rear track width ft

Wheels on each axle

Click Next to continue

Advanced...

< Back

Next >

Finish

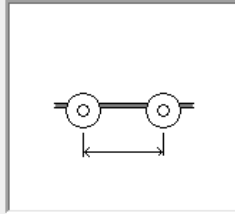
Cancel

Help

Vehicle Wizard: Tractor Wheelbase

The wheelbase and axle spacing of a unit are the main factors in how much it will cut in. A unit with a long wheelbase and a single axle may have the same cut-in as a unit with a shorter wheelbase but several widely spaced axles.

Wheelbase ft



* Dimensions marked thus have been automatically calculated. Enter a value to override or zero to set default.

Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

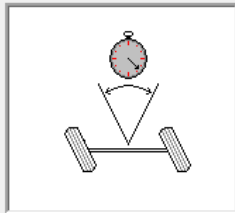
Vehicle Wizard: Tractor Steering

The rate at which a vehicle can turn is determined by the time it takes to turn the steered wheels from lock to lock. This is assumed to be the same going forward as reverse.

Steering

Front Axle

Lock-to-lock time sec



Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

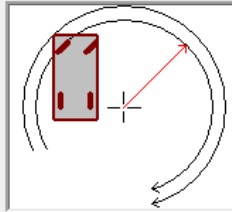
Help

Vehicle Wizard: Tractor Maneuverability

The minimum turning circle radius (MTCR) determines how tight the unit can turn. It is commonly specified on manufacturers data sheets as either between curbs or between walls. Otherwise, specify the max physical or virtual steering angle.

- ☒ Turning radius measured curb to curb
- ☐ Turning radius measured wall to wall
- ☐ Maximum wheel angle (physical)
- ☐ Maximum steering angle (virtual)

Minimum turning circle radius ft



Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

Vehicle Wizard: Tractor Couplings

You cannot remove intermediate couplings but you can adjust their locations and articulation angles. Couplings are all assumed to be fixed. To add a special type of coupling click the Advanced button.

This unit has a front coupling ☐

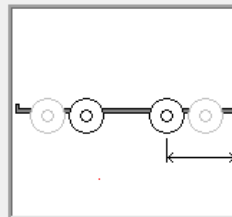
Coupling offset ft

Maximum articulation angle deg

This unit has a rear coupling ☒

Coupling offset ft

Maximum articulation angle deg



Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

Vehicle Wizard: Tractor Body

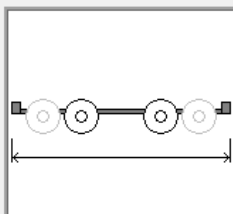
The Rear Overhang is measured from the innermost rear axle. N.B. If the rear of the body is in front of the rear axle then the rear overhang will be negative.

Length ft

Width ft

Rear overhang ft

Wing mirrors ☐



Body Style

Fire Tender

Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

Tandem section

Vehicle Wizard: Trailer 1 Axles

The wizard assumes that new axles are identical and either Ackerman steered or fixed. To define non-identical axles or to add self-steered or retracted axles click the Advanced button.

Number of front axles

Number of rear axles

Rear track width ft

Wheels on each axle

Click Next to continue

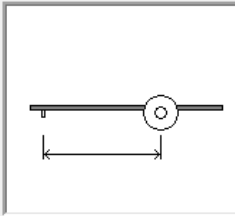
Advanced...

< Back Next > Finish Cancel Help

Vehicle Wizard: Trailer 1 Wheelbase

The wheelbase and axle spacing of a unit are the main factors in how much it will cut in. A unit with a long wheelbase and a single axle may have the same cut-in as a unit with a shorter wheelbase but several widely spaced axles.

Wheelbase ft



* Dimensions marked thus have been automatically calculated. Enter a value to override or zero to set default.

Click Next to continue

Advanced...

< Back Next > Finish Cancel Help

Vehicle Wizard: Trailer 1 Couplings

You cannot remove intermediate couplings but you can adjust their locations and articulation angles. Couplings are all assumed to be fixed. To add a special type of coupling click the Advanced button.

This unit has a front coupling ☒

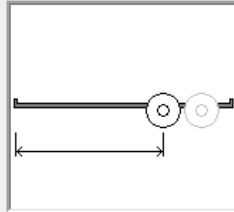
Coupling offset ft

Maximum articulation angle deg

This unit has a rear coupling ☐

Coupling offset ft

Maximum articulation angle deg



Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

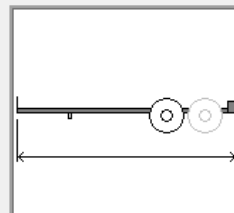
Vehicle Wizard: Trailer 1 Body

The Rear Overhang is measured from the innermost rear axle. N.B. If the rear of the body is in front of the rear axle then the rear overhang will be negative.

Length ft

Width ft

Rear overhang ft



Body Style

Fire Tender

Click Next to continue

Advanced...

< Back

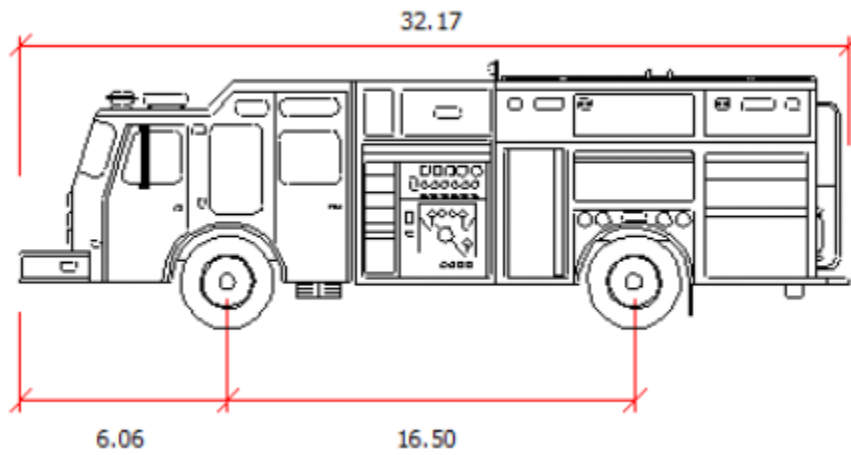
Next >

Finish

Cancel

Help

COV Std. Fire Truck



Vehicle Wizard: Tractor Axles

The wizard assumes that new axles are identical and either Ackerman steered or fixed. To define non-identical axles or to add self-steered or retracted axles click the Advanced button.

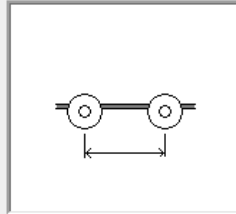
Number of front axles	<input type="text" value="1"/>	
Front track width	<input type="text" value="8.167"/> ft	
Wheels on each axle	<input type="text" value="2"/>	
Number of rear axles	<input type="text" value="1"/>	
Rear track width	<input type="text" value="8.167"/> ft	
Wheels on each axle	<input type="text" value="4"/>	

Click Next to continue

Vehicle Wizard: Tractor Wheelbase

The wheelbase and axle spacing of a unit are the main factors in how much it will cut in. A unit with a long wheelbase and a single axle may have the same cut-in as a unit with a shorter wheelbase but several widely spaced axles.

Wheelbase ft



* Dimensions marked thus have been automatically calculated. Enter a value to override or zero to set default.

Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

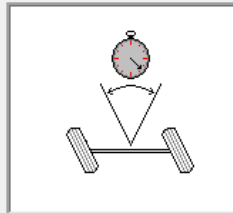
Vehicle Wizard: Tractor Steering

The rate at which a vehicle can turn is determined by the time it takes to turn the steered wheels from lock to lock. This is assumed to be the same going forward as reverse.

Steering

Front Axle

Lock-to-lock time sec



Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

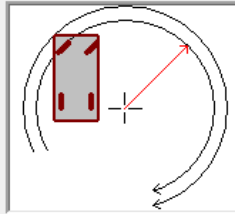
Help

Vehicle Wizard: Tractor Maneuverability

The minimum turning circle radius (MTCR) determines how tight the unit can turn. It is commonly specified on manufacturers data sheets as either between curbs or between walls. Otherwise, specify the max physical or virtual steering angle.

- ☒ Turning radius measured curb to curb
- ☐ Turning radius measured wall to wall
- ☐ Maximum wheel angle (physical)
- ☐ Maximum steering angle (virtual)

Minimum turning circle radius ft



Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

Vehicle Wizard: Tractor Body

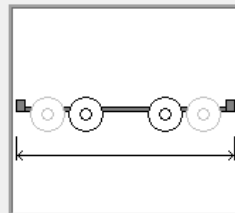
The Rear Overhang is measured from the innermost rear axle. N.B. If the rear of the body is in front of the rear axle then the rear overhang will be negative.

Length ft

Width ft

Rear overhang ft

Wing mirrors ☒



Body Style

Fire Truck

Click Next to continue

Advanced...

< Back

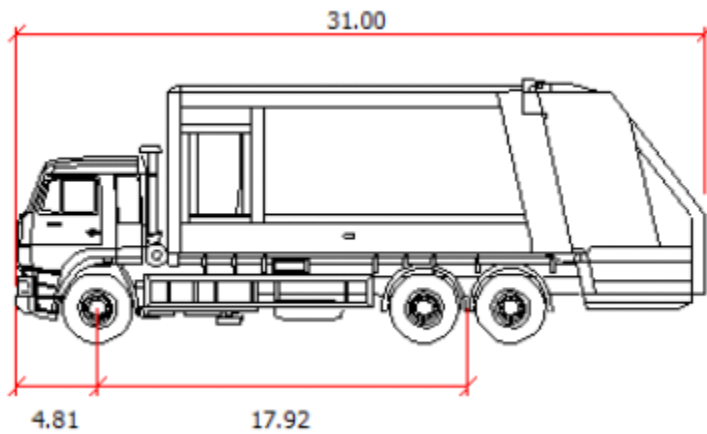
Next >

Finish

Cancel

Help

COV Garbage Truck Front Loader



Vehicle Wizard: Tractor Axles

The wizard assumes that new axles are identical and either Ackerman steered or fixed. To define non-identical axles or to add self-steered or retracted axles click the *Advanced* button.

Number of front axles	<input type="text" value="1"/>	
Front track width	<input type="text" value="7.333"/> ft	
Wheels on each axle	<input type="text" value="2"/>	
Number of rear axles	<input type="text" value="3"/>	
Rear track width	<input type="text" value="8.200"/> ft	
Wheels on each axle	<input type="text" value="4"/>	

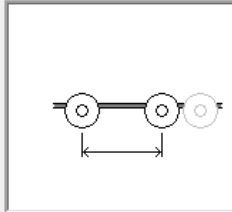
Click Next to continue

Vehicle Wizard: Tractor Wheelbase

The wheelbase and axle spacing of a unit are the main factors in how much it will cut in. A unit with a long wheelbase and a single axle may have the same cut-in as a unit with a shorter wheelbase but several widely spaced axles.

Wheelbase ft

Rear axle spacing ft



* Dimensions marked thus have been automatically calculated. Enter a value to override or zero to set default.

Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

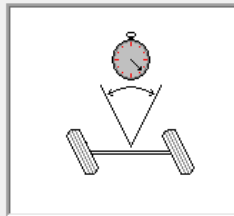
Vehicle Wizard: Tractor Steering

The rate at which a vehicle can turn is determined by the time it takes to turn the steered wheels from lock to lock. This is assumed to be the same going forward as reverse.

Steering

Front Axle

Lock-to-lock time sec



Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

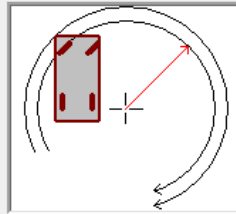
Help

Vehicle Wizard: Tractor Maneuverability

The minimum turning circle radius (MTCR) determines how tight the unit can turn. It is commonly specified on manufacturers data sheets as either between curbs or between walls. Otherwise, specify the max physical or virtual steering angle.

- ☒ Turning radius measured curb to curb
- ☐ Turning radius measured wall to wall
- ☐ Maximum wheel angle (physical)
- ☐ Maximum steering angle (virtual)

Minimum turning circle radius ft



Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

Vehicle Wizard: Tractor Couplings

You cannot remove intermediate couplings but you can adjust their locations and articulation angles. Couplings are all assumed to be fixed. To add a special type of coupling click the Advanced button.

This unit has a front coupling ☐

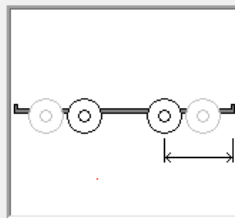
Coupling offset ft

Maximum articulation angle deg

This unit has a rear coupling ☒

Coupling offset ft

Maximum articulation angle deg



Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

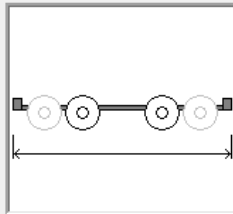
Help

Vehicle Wizard: Tractor Body

The Rear Overhang is measured from the innermost rear axle. N.B. If the rear of the body is in front of the rear axle then the rear overhang will be negative.

Length ft
Width ft
Rear overhang ft

Wing mirrors ☒



Body Style

(Unspecified) ▾

Click Next to continue

Advanced...

< Back

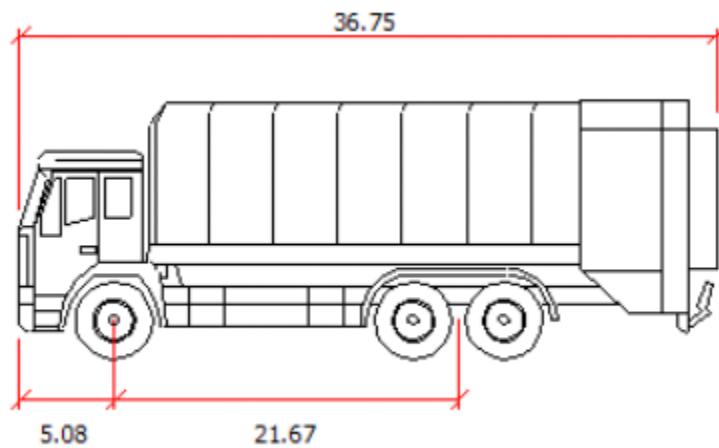
Next >

Finish

Cancel

Help

COV Garbage Truck Side Loader



Vehicle Wizard: Tractor Axles

The wizard assumes that new axles are identical and either Ackerman steered or fixed. To define non-identical axles or to add self-steered or retracted axles click the Advanced button.

Number of front axles

Front track width ft

Wheels on each axle

Number of rear axles

Rear track width ft

Wheels on each axle

Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

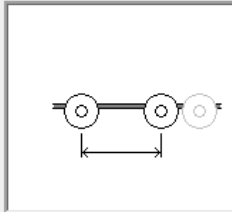
Help

Vehicle Wizard: Tractor Wheelbase

The wheelbase and axle spacing of a unit are the main factors in how much it will cut in. A unit with a long wheelbase and a single axle may have the same cut-in as a unit with a shorter wheelbase but several widely spaced axles.

Wheelbase ft

Rear axle spacing ft



* Dimensions marked thus have been automatically calculated. Enter a value to override or zero to set default.

Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

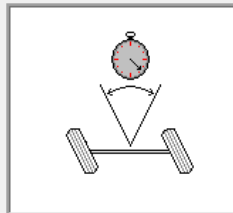
Vehicle Wizard: Tractor Steering

The rate at which a vehicle can turn is determined by the time it takes to turn the steered wheels from lock to lock. This is assumed to be the same going forward as reverse.

Steering

Front Axle

Lock-to-lock time sec



Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

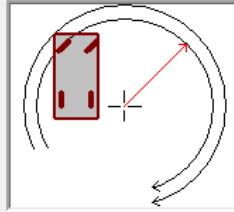
Help

Vehicle Wizard: Tractor Maneuverability

The minimum turning circle radius (MTCR) determines how tight the unit can turn. It is commonly specified on manufacturers data sheets as either between curbs or between walls. Otherwise, specify the max physical or virtual steering angle.

- ☒ Turning radius measured curb to curb
- ☐ Turning radius measured wall to wall
- ☐ Maximum wheel angle (physical)
- ☐ Maximum steering angle (virtual)

Minimum turning circle radius ft



Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

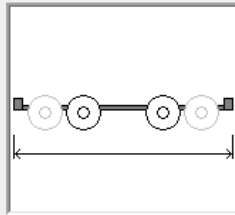
Help

Vehicle Wizard: Tractor Body

The Rear Overhang is measured from the innermost rear axle. N.B. If the rear of the body is in front of the rear axle then the rear overhang will be negative.

Length ft
Width ft
Rear overhang ft

Wing mirrors ☒



Body Style

Refuse / Garbage Truck (Small)

Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

COV Alley Truck



Vehicle Wizard: Tractor Axles

The wizard assumes that new axes are identical and either Ackerman steered or fixed. To define non-identical axes or to add self-steered or retracted axes click the *Advanced...* button.

Number of front axes	<input type="text" value="1"/>	
Front track width	<input type="text" value="8.000"/> ft	
Wheels on each axle	<input type="text" value="2"/>	
Number of rear axes	<input type="text" value="1"/>	
Rear track width	<input type="text" value="8.000"/> ft	
Wheels on each axle	<input type="text" value="4"/>	

Click Next to continue

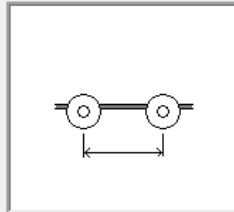
Advanced...

< Back Next > Finish Cancel Help

Vehicle Wizard: Tractor Wheelbase

The wheelbase and axle spacing of a unit are the main factors in how much it will cut in. A unit with a long wheelbase and a single axle may have the same cut-in as a unit with a shorter wheelbase but several widely spaced axles.

Wheelbase ft



* Dimensions marked thus have been automatically calculated. Enter a value to override or zero to set default.

Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

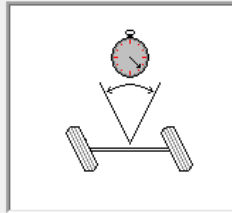
Vehicle Wizard: Tractor Steering

The rate at which a vehicle can turn is determined by the time it takes to turn the steered wheels from lock to lock. This is assumed to be the same going forward as reverse.

Steering

Front Axle

Lock-to-lock time sec



Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

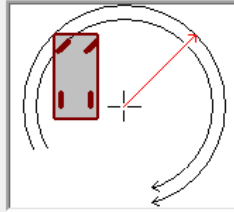
Help

Vehicle Wizard: Tractor Maneuverability

The minimum turning circle radius (MTCR) determines how tight the unit can turn. It is commonly specified on manufacturers data sheets as either between curbs or between walls. Otherwise, specify the max physical or virtual steering angle.

- ☐ Turning radius measured curb to curb
- ☒ Turning radius measured wall to wall
- ☐ Maximum wheel angle (physical)
- ☐ Maximum steering angle (virtual)

Minimum turning circle radius ft



Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

Vehicle Wizard: Tractor Body

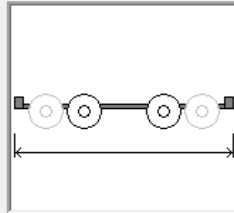
The Rear Overhang is measured from the innermost rear axle. N.B. If the rear of the body is in front of the rear axle then the rear overhang will be negative.

Length ft

Width ft

Rear overhang ft

Wing mirrors ☒



Body Style

Tipper (Large)

Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

COV Mini Pac Tractor



Vehicle Wizard: Tractor Axles

The wizard assumes that new axles are identical and either Ackerman steered or fixed. To define non-identical axles or to add self-steered or retracted axles click the **Advanced...** button.

Number of front axles

Front track width ft

Wheels on each axle

Number of rear axles

Rear track width ft

Wheels on each axle

Click Next to continue

Advanced...

< Back

Next >

Finish

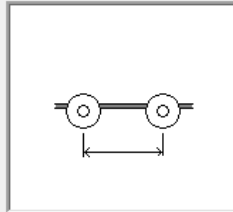
Cancel

Help

Vehicle Wizard: Tractor Wheelbase

The wheelbase and axle spacing of a unit are the main factors in how much it will cut in. A unit with a long wheelbase and a single axle may have the same cut-in as a unit with a shorter wheelbase but several widely spaced axles.

Wheelbase ft



* Dimensions marked thus have been automatically calculated. Enter a value to override or zero to set default.

Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

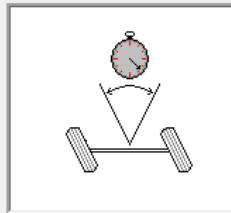
Vehicle Wizard: Tractor Steering

The rate at which a vehicle can turn is determined by the time it takes to turn the steered wheels from lock to lock. This is assumed to be the same going forward as reverse.

Steering

Front Axle

Lock-to-lock time sec



Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

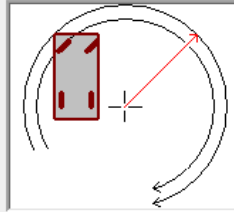
Help

Vehicle Wizard: Tractor Maneuverability

The minimum turning circle radius (MTCR) determines how tight the unit can turn. It is commonly specified on manufacturers data sheets as either between curbs or between walls. Otherwise, specify the max physical or virtual steering angle.

- ☐ Turning radius measured curb to curb
- ☒ Turning radius measured wall to wall
- ☐ Maximum wheel angle (physical)
- ☐ Maximum steering angle (virtual)

Minimum turning circle radius ft



Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

Vehicle Wizard: Tractor Body

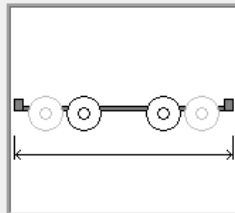
The Rear Overhang is measured from the innermost rear axle. N.B. If the rear of the body is in front of the rear axle then the rear overhang will be negative.

Length ft

Width ft

Rear overhang ft

Wing mirrors ☒



Body Style

Tipper (Large)

Click Next to continue

Advanced...

< Back

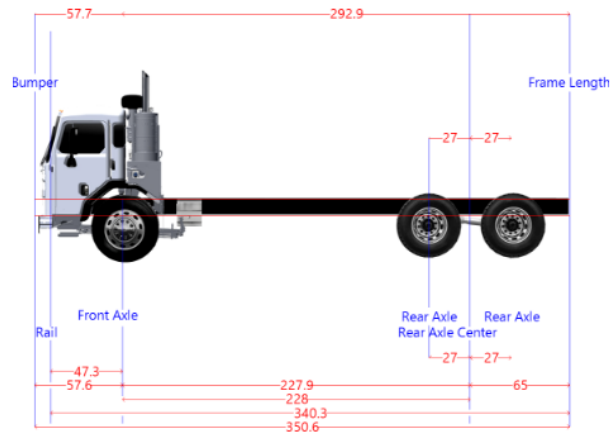
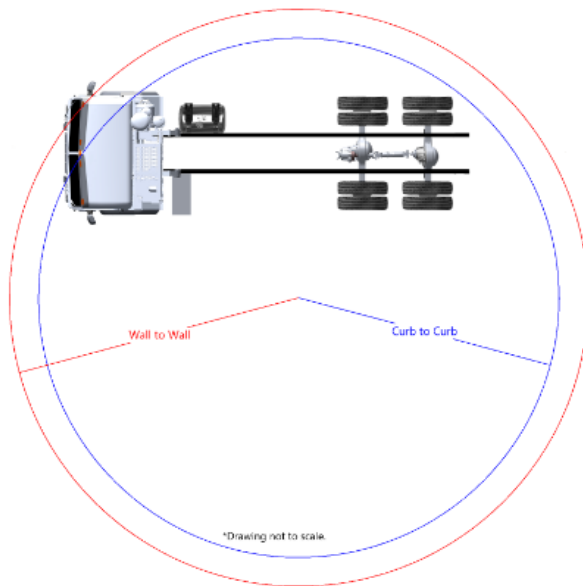
Next >

Finish

Cancel

Help

COV Roll-Off Truck



Vehicle Wizard: Tractor Axles

The wizard assumes that new axles are identical and either Ackerman steered or fixed. To define non-identical axles or to add self-steered or retracted axles click the Advanced button.

Number of front axles

Front track width ft

Wheels on each axle

Number of rear axles

Rear track width ft

Wheels on each axle

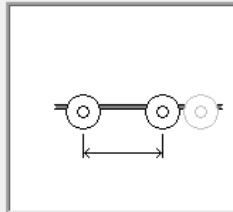
Click Next to continue

Vehicle Wizard: Tractor Wheelbase

The wheelbase and axle spacing of a unit are the main factors in how much it will cut in. A unit with a long wheelbase and a single axle may have the same cut-in as a unit with a shorter wheelbase but several widely spaced axles.

Wheelbase ft

Rear axle spacing ft



* Dimensions marked thus have been automatically calculated. Enter a value to override or zero to set default.

Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

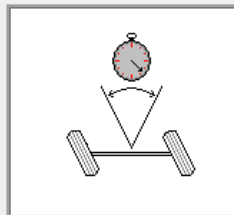
Vehicle Wizard: Tractor Steering

The rate at which a vehicle can turn is determined by the time it takes to turn the steered wheels from lock to lock. This is assumed to be the same going forward as reverse.

Steering

Front Axle

Lock-to-lock time sec



Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

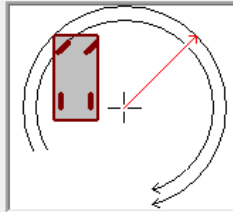
Help

Vehicle Wizard: Tractor Maneuverability

The minimum turning circle radius (MTCR) determines how tight the unit can turn. It is commonly specified on manufacturers data sheets as either between curbs or between walls. Otherwise, specify the max physical or virtual steering angle.

- ☐ Turning radius measured curb to curb
- ☒ Turning radius measured wall to wall
- ☐ Maximum wheel angle (physical)
- ☐ Maximum steering angle (virtual)

Minimum turning circle radius ft



Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

Vehicle Wizard: Tractor Body

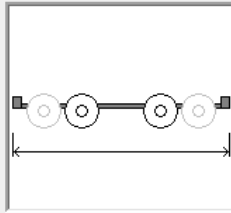
The Rear Overhang is measured from the innermost rear axle. N.B. If the rear of the body is in front of the rear axle then the rear overhang will be negative.

Length ft

Width ft

Rear overhang ft

Wing mirrors ☒



Body Style

Tipper (Large)

Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

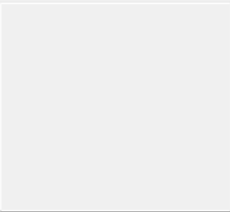
Help

COV Vactor Truck 2100 Tractor



Vehicle Wizard: Tractor Axles

The wizard assumes that new axles are identical and either Ackerman steered or fixed. To define non-identical axles or to add self-steered or retracted axles click the Advanced button.

Number of front axles	<input type="text" value="1"/>	
Front track width	<input type="text" value="8.000"/> ft	
Wheels on each axle	<input type="text" value="2"/>	
Number of rear axles	<input type="text" value="2"/>	
Rear track width	<input type="text" value="8.000"/> ft	
Wheels on each axle	<input type="text" value="4"/>	

Click Next to continue

Advanced...

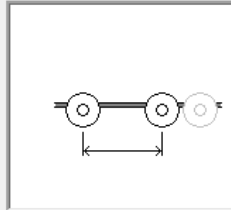
< Back Next > Finish Cancel Help

Vehicle Wizard: Tractor Wheelbase

The wheelbase and axle spacing of a unit are the main factors in how much it will cut in. A unit with a long wheelbase and a single axle may have the same cut-in as a unit with a shorter wheelbase but several widely spaced axles.

Wheelbase ft

Rear axle spacing ft



* Dimensions marked thus have been automatically calculated. Enter a value to override or zero to set default.

Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

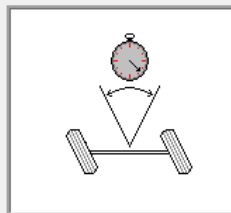
Vehicle Wizard: Tractor Steering

The rate at which a vehicle can turn is determined by the time it takes to turn the steered wheels from lock to lock. This is assumed to be the same going forward as reverse.

Steering

Front Axle

Lock-to-lock time sec



Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

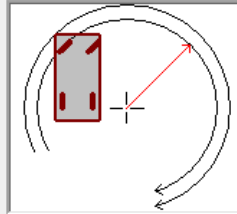
Help

Vehicle Wizard: Tractor Maneuverability

The minimum turning circle radius (MTCR) determines how tight the unit can turn. It is commonly specified on manufacturers data sheets as either between curbs or between walls. Otherwise, specify the max physical or virtual steering angle.

- ☒ Turning radius measured curb to curb
- ☐ Turning radius measured wall to wall
- ☐ Maximum wheel angle (physical)
- ☐ Maximum steering angle (virtual)

Minimum turning circle radius ft



Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help

Vehicle Wizard: Tractor Body

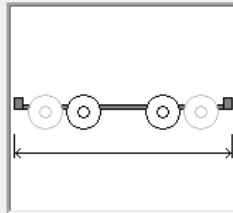
The Rear Overhang is measured from the innermost rear axle. N.B. If the rear of the body is in front of the rear axle then the rear overhang will be negative.

Length ft

Width ft

Rear overhang ft

Wing mirrors ☒



Body Style

Rigid Tanker

Click Next to continue

Advanced...

< Back

Next >

Finish

Cancel

Help