

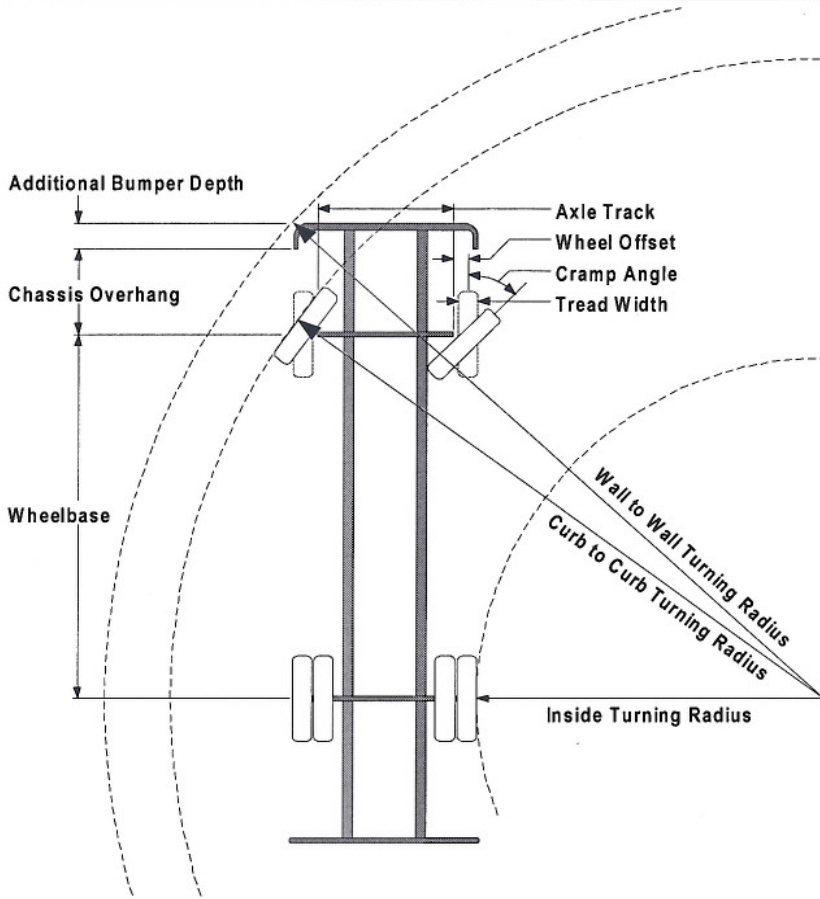


# Turning Performance Analysis

7/8/2008  
06:45:26PM

**Configuration:** 100' Dash Platform Demo 2006 Cummins En  
**Number:** EP1086064-106 **Ver:** 2

**Representative:**  
**Organization:**  
**Department:**



**Parameters:**

|                          |         |
|--------------------------|---------|
| Inside Cramp Angle:      | 45°     |
| Axle Track:              | 85.34"  |
| Wheel Offset:            | 4.68"   |
| Loaded Tire Width:       | 17.70"  |
| Chassis Overhang:        | 65.99"  |
| Additional Bumper Depth: | 19.00"  |
| Front Overhang:          | 149.60" |
| Wheelbase:               | 254.00" |

**Calculated Turning Radii:**

|               |         |
|---------------|---------|
| Inside Turn:  | 240.47" |
| Curb to Curb: | 437.40" |
| Wall to Wall: | 536.11" |

**Comments:**

Aerial Application

**Components**

| Components    | Option # | Description   |
|---------------|----------|---|
| Front Axle    | 0124392  | Axle, Suspension, Front, Oshkosh TAK-4, Non-Drive, 22,800 lb, 3" Jounce |
| Front Wheels  | 0111380  | Aluminum, Alcoa, 22.50 x 12.25  |
| Front Tires   | 0111370  | Michelin, 425/65R22.50, 20 Ply, XTE2                                    |
| Chassis       | 0104774  | Dash® 2000 Chassis  |
| Front Bumper  | 0107610  | Tray, Bumper, Passenger Side, Standard, 19" W x 14.5" L x 13" D         |
| Aerial Device | 0022160  | Aerial, 100' Pierce Platform  |

**Notes:**

Actual Inside Cramp Angle may be less due to highly specialized options.

Curb to Curb turning radius calculated for a 9.00 inch curb.

**Definitions:**

|                             |   |
|-----------------------------|---|
| Inside Cramp Angle          | Maximum turning angle of the front inside tire.   |
| Axle Track                  | King-pin to king-pin distance of the front axle.  |
| Wheel Offset                | Offset from the center-line of the wheel to the king-pin.   |
| Tread Width                 | Width of the tire tread.  |
| Chassis Overhang            | Distance from the center-line of the front axle to the front edge of the cab. This does not include the bumper depth.   |
| Additional Bumper Depth     | Depth that the bumper assembly adds to the front overhang.  |
| Wheelbase                   | Distance between the center lines of the vehicle's front and rear axles.  |
| Inside Turning Radius       | Radius of the smallest circle around which the vehicle can turn.  |
| Curb to Curb Turning Radius | Radius of the smallest circle inside of which the vehicle's tires can turn. This measurement assumes a curb height of 9 inches.   |
| Wall to Wall Turning Radius | Radius of the smallest circle inside of which the entire vehicle can turn. This measurement takes into account any front overhang the chassis, bumper extensions and/or aerial devices. |