

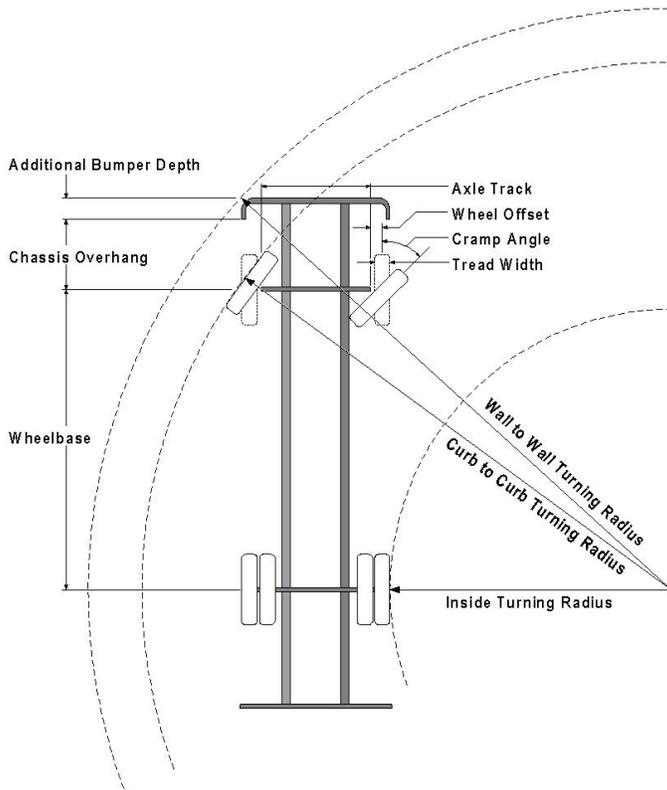


Turning Performance Analysis

02/13/2018

Bid Number: 284
Department: San Diego

Chassis: Arrow XT Chassis, Aerials/Tankers, Tandem Axle
Body: Aerial, HD Ladder 105', Alum Body



Parameters:

| | |
|--------------------------|-----------|
| Inside Cramp Angle: | 45° |
| Axle Track: | 82.92 in. |
| Wheel Offset: | 4.68 in. |
| Tread Width: | 17.7 in. |
| Chassis Overhang: | 68.99 in. |
| Additional Bumper Depth: | 22 in. |
| Front Overhang: | 92.5 in. |
| Wheelbase: | 233.5 in. |

Calculated Turning Radii:

| | |
|---------------|---------------|
| Inside Turn: | 18 ft. 4 in. |
| Curb to curb: | 33 ft. 11 in. |
| Wall to wall: | 38 ft. 8 in. |

Comments:

29676

| Category | Option | Description |
|---------------------|---------|--|
| Axle, Front, Custom | 0018453 | Axle, Front, Oshkosh TAK-4, Non Drive, 22,800 lb, Qtm/AXT/DCF |
| Wheels, Front | 0019611 | Wheels, Front, Alcoa, 22.50" x 12.25", Aluminum, Hub Pilot |
| Tires, Front | 0521238 | Tires, Front, Michelin, XFE (wb), 425/65R22.50, 20 ply |
| Bumpers | 0677289 | Bumper, 24" Extended, Under Slung, Recessed Crosslays, AXT, San Diego Only |
| Aerial Devices | 0673136 | Aerial, 105' Heavy Duty Ladder, (750 dry/500 water) |

Notes:

Actual Inside cramp angle may be less due to highly specialized options.

Curb to Curb turning radius calculated for 9.00 inch curb.

Definitions:

| | |
|-----------------------------|--|
| Inside CrampAngle | Maximum turning angle of the front inside fire. |
| Axle Track | King-pin to King-pin distance of 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 of the center line of the front axle to the front edge of the cab. This does not include the bumper depth. |
| Additional Bumper Wheel | Depth that the bumper assembly adds to the front overhang. |
| Wheelbase | Distance between the center lines of the vehicles 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 around which the vehicle's tires can turn. This measures assumes a curb height of 9 inches. |
| Wall to Wall Turning Radius | Radius of the smallest circle around which the vehicle's tires can turn. This measures takes into account any front overhang due to chassis , bumper extensions and or aerial devices. |

