



Turning Performance Analysis

10/26/2017

Bid Number: 238
Department: Goshen Fire Dept

Chassis: Impel Chassis, Single Axle, 75' HAL PUC, 2010
Body: Aerial, HD Ladder, 75' HAL PUC, Quint, Alum Body

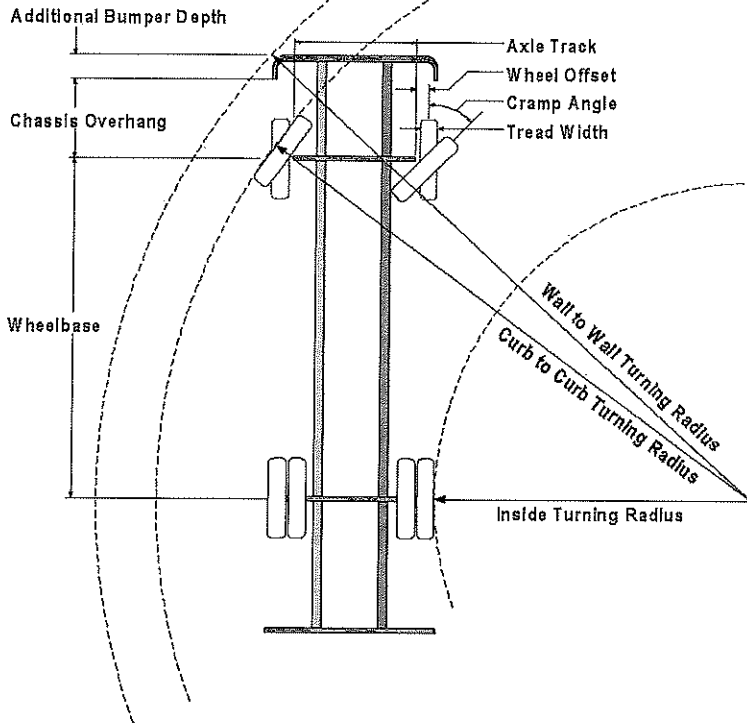
Parameters:

Inside Cramp Angle:	45°
Axle Track:	82.92 in.
Wheel Offset:	4.68 in.
Tread Width:	16.60 in.
Chassis Overhang:	78.00 in.
Additional Bumper Depth:	13.00 in.
Front Overhang:	91.00 in.
Wheelbase:	234.00 in.

Calculated Turning Radii:

Inside Turn:	18 ft. 5 in.
Curb to curb:	33 ft. 11 in.
Wall to wall:	38 ft. 7 in.

Comments:



Category Description:	OptionID:	Option Description:
Axle, Front, Custom	0508849	Axle, Front, Oshkosh TAK-4, Non Drive, 22,800 lb, Imp/Vel
Wheels, Front	0019611	Wheels, Front, Alcoa, 22.50" x 12.25", Aluminum, Hub Pilot
Tires, Front	0078244	Tires, Front, Michelin, XZY3 (wb), 425/65R22.50, 20 ply
Bumpers	0199445	Bumper, 13" Extended, Steel 0.375, Painted, 10" high, Wrapped, Imp/Vel
Aerial Devices	0592917	Aerial, 75' HAL, Single Axle, 750# Tip Load

Notes:

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

Curb to Curb turning radius calculated for 9.00 inch curb.

GFD QUINT 3 TURNING PERFORMANCE