*** * * A T T E N T I O N * * ***

Individual Vehicle dimensions were obtained through the use of the Expert AutoStats(R) program.

The Expert AutoStats(R) program contains a multitude of vehicle dimensions and specifications on over 41,000 different vehicles and 203 different manufacturers spanning more than 50 years.

While every attempt has been made to ensure accurate data, these dimensions are meant to be used as first approximations. Some measurements are dependant on such factors as tire and rim sizes, tire inflation pressure and wear, suspension system condition, bumper type and style, and other manufacturing variations from vehicle to vehicle.

Whenever feasible, the vehicle in question or an exemplar vehicle should be measured to verify data important to your case.

Individual Vehicle Data Search Service (R)

Provided by:
4N6XPRT SYSTEMS (R)
Forensic Expert Software
La Mesa, CA 91941-3842

(619) 464-3478 / (800) 266-9778 / FAX: (619) 464-2206

Through the use of

E X P E R T A U T O S T A T S (R)

DEVELOPED BY:
Daniel W. Vomhof III & Daniel W. Vomhof, Ph.D.

VEHICLE DATA RESEARCH BY:
Sheryl Cozby, Marion Vomhof, Muriel Vomhof, & Cindy Christensen

EXPERT VIN DeCoder

The VIN Number is 1FV HCFCY 3 5R N70113

The vehicle should be a 2005 Freightliner
The model: Condor COE 6x4 Cab & Chassis
The assembly plant: Cleveland, NC

The OEM engine was: Inline 6 cylinder Cummins ISL Diesel
Engine Displacement/Type = 8.3 L / 504 cu.in., L6 Diesel
Engine manufacturer = Cummins

The fuel distribution system: Diesel

fuel pump/line pressure = N/A
The ignition system = N/A

This is a Rear Wheel Drive Vehicle

The first three characters { 1, F, V } indicates that the vehicle was a Freightliner Incomplete Vehicle made in the U.S.A.

The fourth character { H } indicates a 6x4 Truck

The fifth with the sixth character { CF } indicates a Condor COE
GVWR: 33001 lbs and over

The seventh with the eighth character { CY } indicates the OEM engine: L6, 8.3 L/ 504 cu.in., Cummins ISL Diesel
Brake System: AIR

The ninth character { the Check Digit } is 3
The calculated Check Digit is 3

The tenth character { 5 } indicates the model year was 2005

The eleventh character { R } indicates it was made at the assembly plant at Cleveland, NC

The twelfth through seventeenth characters { N70113 } is the serial number unique to this vehicle.

EXPERT AUTOSTATS
Ver. 3.9

PROVIDED BY:
4N6XPRT Systems
8387 University Avenue
La Mesa CA 91941

08-16-2011

2005 FREIGHTLINER CONDOR COE 6X4 186WB 2DR CAB & CHASSIS

CURB WEIGHT:	**15560 lbs.**	**7058 kg.**
Curb Weight Distribution -	**Front: 59 %**	**Rear: 41 %**
Gross Vehicle Weight Rating:	**65500 lbs.**	**29710 kg.**
Number of Tires on Vehicle:	**10**	
Drive Wheels:	**REAR**	

HORIZONTAL DIMENSIONS

	Inches	Feet	Meters
Total Length	**303**	**25.25**	**7.70**
Wheelbase:	**186**	**15.50**	**4.72**
Front Bumper to Front Axle	**66**	**5.50**	**1.68**
Front Bumper to Front of Front Well	___	__.__	_.__
Front Bumper to Front of Hood	___	__.__	_.__
Front Bumper to Base of Windshield	___	__.__	_.__
Front Bumper to Top of Windshield	___	__.__	_.__
Rear Bumper to Rear Axle	**51**	**4.25**	**1.30**
Rear Bumper to Rear of Rear Well	___	__.__	_.__
Rear Bumper to Rear of Trunk	___	__.__	_.__
Rear Bumper to Base of Rear Window	___	__.__	_.__

WIDTH DIMENSIONS

Maximum Width	**96**	**8.00**	**2.44**
Front Track	**72**	**6.00**	**1.83**
Rear Track	**80**	**6.67**	**2.03**

VERTICAL DIMENSIONS

	Inches	Feet	Meters
Height	**104**	**8.67**	**2.64**
Ground to:			
Front Bumper (Top)	___	__.__	_.__
Headlight - center	___	__.__	_.__
Hood - top front	___	__.__	_.__
Base of windshield	___	__.__	_.__
Rear Bumper - top	___	__.__	_.__
Trunk - top rear	___	__.__	_.__
Base of rear window	___	__.__	_.__

Reg. To: 4N6XPRT Systems **S/N:99R-930512AQ03201**

2005 FREIGHTLINER CONDOR COE 6X4 186WB 2DR CAB & CHASSIS

INTERIOR DIMENSIONS

	Inches	Feet	Meters
Front Seat Shoulder Width	___	__.__	_.__
Front Seat to Headliner	___	__.__	_.__
Front Leg - seatback to floor (max)	___	__.__	_.__
Rear Seat Shoulder Width	___	__.__	_.__
Rear Seat to Headliner	___	__.__	_.__
Rear Leg - seatback to floor (min)	___	__.__	_.__

Seatbelts: SEATBELTS UNKNOWN
Airbags: NO AIRBAGS

STEERING DATA

Turning Circle (Diameter)	___	__.__	__.__
Steering Ratio:	__.__:1		
Wheel Radius:	___	__.__	_.__
Tire Size (OEM):	315/80R22.5 20P		

ACCELERATION & BRAKING INFORMATION

Brake Type: AIRBRAKES
ABS System: ABS

Braking, 60 mph -> 0 (Hard pedal, no skid, dry pavement):
d = ___ ft t = __._ sec. a =-__._ ft/sec/sec G-force = -_.__

ACCELERATION:

0->30 mph	t = __._ sec.	a = __._ ft/sec/sec	G-force = _.__
0->60 mph	t = __._ sec.	a = __._ ft/sec/sec	G-force = _.__
45->65 mph	t = __._ sec.	a = __._ ft/sec/sec	G-force = _.__

Transmission Type: AUTOMATIC

NOTES:

Federal Bumper Standard Requirements = NO REQUIREMENT

N.S.D.C. = 2004 - 2005

Reg. To: 4N6XPRT Systems S/N:99R-930512AQ03201

2005 FREIGHTLINER CONDOR COE 6X4 186WB 2DR CAB & CHASSIS

OTHER INFORMATION

TIP-OVER STABILITY RATIO = 0.91 UNSTABLE

CENTER OF GRAVITY (No Load):

Inches behind front axle	= 76.26
Inches in front of rear axle	= 109.74
Inches from side of vehicle	= 48.00
Inches from ground	= 41.60
Inches from front corner	= 150.14
Inches from rear corner	= 167.75
Inches from front bumper	= 142.26
Inches from rear bumper	= 160.74

MOMENTS OF INERTIA APPROXIMATIONS (No Load):

YAW MOMENT OF INERTIA	= 14820.80	lb-ft-sec^2
PITCH MOMENT OF INERTIA	= 14255.40	lb-ft-sec^2
ROLL MOMENT OF INERTIA	= 2650.80	lb-ft-sec^2

FRONT PROFILE INFORMATION

ANGLE FRONT BUMPER TO HOOD FRONT	= ___	deg
ANGLE FRONT OF HOOD TO WINDSHIELD BASE	= ___	deg
ANGLE FRONT OF HOOD TO WINDSHIELD TOP	= ___	deg
ANGLE OF WINDSHIELD	= ___	deg
ANGLE OF STEERING TIRES AT MAX TURN	= ___	deg

FIRST APPROXIMATION CRUSH FACTORS:

Speed Equivalent (mph) of energy used in causing crush or indentation may be evaluated using the following formula and the appropriate Crush Factor (CF) and Maximum indentation depth, or MID, (in feet):

V(mph) = Sqr root of (30 * CF * MID)

Front Impact for a front engine vehicle	= 21
Front Impact for a Rear engine vehicle	= 27
Side Impact	= 27
Rear Impact for a front engine vehicle	= 27
Rear Impact for a rear engine vehicle	= 21

These CF values are based upon analysis of NHTSA Barrier Crash data, and from over 1000 vehicle accidents where independant evaluation of speed was possible. (These are NOT 'A', 'B', 'C', or 'G' values)

The Rear Impact data with more than 2-3 inches of crush damage should be looked at carefully, since some vehicles have very weak trunk & fender strength. Therefore, on some cars, esp. GM, your estimate from the rear crush data may be high by as much as 4-5 mph (on a crush of 18 inches).

EXPERT VIN DeCoder

The VIN Number is 3HS CEAPR 6 9N 110572

The vehicle should be a 2009 International
The model: 9200I 6x4 SBA Truck-Tractor
The assembly plant: Escobedo, Mexico

The OEM engine was: Inline 6 cylinder Cummins ISX Diesel
Engine Displacement/Type = 14.9 L/ 912 cu.in., L6 Diesel
Engine manufacturer = Cummins

The fuel distribution system: Diesel

fuel pump/line pressure = N/A
The ignition system = N/A

This is a Rear Wheel Drive Vehicle

The first three characters { 3, H, S } indicates that the vehicle was a International Truck-Tractor made in Mexico

The fourth with the fifth character { CE } indicates a L9227 9200I 6x4 Set-Back-Axle

The sixth with the seventh character { AP } indicates the OEM engine: L6, 14.9 L/ 912 cu.in., Cummins ISX Diesel

The eighth character { R } indicates the GVWR: 33001-55000 lbs
Brake System: Air

The ninth character { the Check Digit } is 6
The calculated Check Digit is 6

The tenth character { 9 } indicates the model year was 2009

The eleventh character { N } indicates it was made at the assembly plant at Escobedo, Mexico

The twelfth through seventeenth characters { 110572 } is the serial number unique to this vehicle.

EXPERT AUTOSTATS
Ver. 3.9

PROVIDED BY:
4N6XPRT Systems
8387 University Avenue
La Mesa CA 91941

08-10-2011

2009 INTERNATIONAL 9200I 6X4 160"WB 2DR TRACTOR

CURB WEIGHT:	**14051 lbs.**	**6373 kg.**
Curb Weight Distribution -	**Front: 55 %**	**Rear: 45 %**
Gross Vehicle Weight Rating:	**60000 lbs.**	**27216 kg.**
Number of Tires on Vehicle:	**10**	
Drive Wheels:	**REAR**	

HORIZONTAL DIMENSIONS

	Inches	Feet	Meters
Total Length	**259**	**21.58**	**6.58**
Wheelbase:	**160**	**13.33**	**4.06**
Front Bumper to Front Axle	**46**	**3.83**	**1.17**
Front Bumper to Front of Front Well	___	__.__	_.__
Front Bumper to Front of Hood	___	__.__	_.__
Front Bumper to Base of Windshield	___	__.__	_.__
Front Bumper to Top of Windshield	___	__.__	_.__
Rear Bumper to Rear Axle	**53**	**4.42**	**1.35**
Rear Bumper to Rear of Rear Well	___	__.__	_.__
Rear Bumper to Rear of Trunk	___	__.__	_.__
Rear Bumper to Base of Rear Window	___	__.__	_.__

WIDTH DIMENSIONS

Maximum Width	**96**	**8.00**	**2.44**
Front Track	**79**	**6.58**	**2.01**
Rear Track	**72**	**6.00**	**1.83**

VERTICAL DIMENSIONS

	Inches	Feet	Meters
Height	**110**	**9.17**	**2.79**
Ground to:			
Front Bumper (Top)	___	__.__	_.__
Headlight - center	___	__.__	_.__
Hood - top front	___	__.__	_.__
Base of windshield	___	__.__	_.__
Rear Bumper - top	___	__.__	_.__
Trunk - top rear	___	__.__	_.__
Base of rear window	___	__.__	_.__

Reg. To: 4N6XPRT Systems **S/N:99R-930512AQ03201**

2009 INTERNATIONAL 9200I 6X4 160"WB 2DR TRACTOR

INTERIOR DIMENSIONS

	Inches	Feet	Meters
Front Seat Shoulder Width	___	__.__	_.__
Front Seat to Headliner	___	__.__	_.__
Front Leg - seatback to floor (max)	___	__.__	_.__
Rear Seat Shoulder Width	___	__.__	_.__
Rear Seat to Headliner	___	__.__	_.__
Rear Leg - seatback to floor (min)	___	__.__	_.__

Seatbelts: SEATBELTS UNKNOWN
Airbags: NO AIRBAGS

STEERING DATA

Turning Circle (Diameter)	612	51.00	15.54
Steering Ratio:	18.50:1		
Wheel Radius:	___	__.__	_.__
Tire Size (OEM):	295/75R22.5		

ACCELERATION & BRAKING INFORMATION

Brake Type: AIRBRAKES
ABS System: ABS UNKNOWN

Braking, 60 mph -> 0 (Hard pedal, no skid, dry pavement):
d = ___ ft t = __._ sec. a =-__._ ft/sec/sec G-force = -_.__

ACCELERATION:

0->30 mph	t = __._ sec.	a = __._ ft/sec/sec	G-force = _.__
0->60 mph	t = __._ sec.	a = __._ ft/sec/sec	G-force = _.__
45->65 mph	t = __._ sec.	a = __._ ft/sec/sec	G-force = _.__

Transmission Type: 9spd MANUAL

NOTES:

Federal Bumper Standard Requirements = NO REQUIREMENT

2009 INTERNATIONAL 9200I 6X4 160"WB 2DR TRACTOR

OTHER INFORMATION

TIP-OVER STABILITY RATIO = 0.86 UNSTABLE

CENTER OF GRAVITY (No Load):

Inches behind front axle	= 72.00
Inches in front of rear axle	= 88.00
Inches from side of vehicle	= 48.00
Inches from ground	= 44.00
Inches from front corner	= 127.39
Inches from rear corner	= 148.95
Inches from front bumper	= 118.00
Inches from rear bumper	= 141.00

MOMENTS OF INERTIA APPROXIMATIONS (No Load):

YAW MOMENT OF INERTIA	= 13266.53	lb-ft-sec^2
PITCH MOMENT OF INERTIA	= 12761.49	lb-ft-sec^2
ROLL MOMENT OF INERTIA	= 2379.18	lb-ft-sec^2

FRONT PROFILE INFORMATION

ANGLE FRONT BUMPER TO HOOD FRONT	= ___	deg
ANGLE FRONT OF HOOD TO WINDSHIELD BASE	= ___	deg
ANGLE FRONT OF HOOD TO WINDSHIELD TOP	= ___	deg
ANGLE OF WINDSHIELD	= ___	deg
ANGLE OF STEERING TIRES AT MAX TURN	= 30.0	deg

FIRST APPROXIMATION CRUSH FACTORS:

Speed Equivalent (mph) of energy used in causing crush or indentation may be evaluated using the following formula and the appropriate Crush Factor (CF) and Maximum indentation depth, or MID, (in feet):

V(mph) = Sqr root of (30 * CF * MID)

Front Impact for a front engine vehicle	= 21
Front Impact for a Rear engine vehicle	= 27
Side Impact	= 27
Rear Impact for a front engine vehicle	= 27
Rear Impact for a rear engine vehicle	= 21

These CF values are based upon analysis of NHTSA Barrier Crash data, and from over 1000 vehicle accidents where independant evaluation of speed was possible. (These are NOT 'A', 'B', 'C', or 'G' values)

The Rear Impact data with more than 2-3 inches of crush damage should be looked at carefully, since some vehicles have very weak trunk & fender strength. Therefore, on some cars, esp. GM, your estimate from the rear crush data may be high by as much as 4-5 mph (on a crush of 18 inches).

EXPERT AUTOSTATS
Ver. 3.9

PROVIDED BY:
4N6XPRT Systems
8387 University Avenue
La Mesa CA 91941

08-10-2011

2009 INTERNATIONAL 9200I 6X4 234"WB 2DR TRACTOR

CURB WEIGHT:	**14301 lbs.**	**6487 kg.**
Curb Weight Distribution -	**Front: 55 %**	**Rear: 45 %**
Gross Vehicle Weight Rating:	**60000 lbs.**	**27216 kg.**
Number of Tires on Vehicle:	**10**	
Drive Wheels:	**REAR**	

HORIZONTAL DIMENSIONS

	Inches	Feet	Meters
Total Length	**333**	**27.75**	**8.46**
Wheelbase:	**234**	**19.50**	**5.94**
Front Bumper to Front Axle	**46**	**3.83**	**1.17**
Front Bumper to Front of Front Well	___	__.__	_.__
Front Bumper to Front of Hood	___	__.__	_.__
Front Bumper to Base of Windshield	___	__.__	_.__
Front Bumper to Top of Windshield	___	__.__	_.__
Rear Bumper to Rear Axle	**53**	**4.42**	**1.35**
Rear Bumper to Rear of Rear Well	___	__.__	_.__
Rear Bumper to Rear of Trunk	___	__.__	_.__
Rear Bumper to Base of Rear Window	___	__.__	_.__

WIDTH DIMENSIONS

Maximum Width	**96**	**8.00**	**2.44**
Front Track	**79**	**6.58**	**2.01**
Rear Track	**72**	**6.00**	**1.83**

VERTICAL DIMENSIONS

	Inches	Feet	Meters
Height	**110**	**9.17**	**2.79**
Ground to:			
Front Bumper (Top)	___	__.__	_.__
Headlight - center	___	__.__	_.__
Hood - top front	___	__.__	_.__
Base of windshield	___	__.__	_.__
Rear Bumper - top	___	__.__	_.__
Trunk - top rear	___	__.__	_.__
Base of rear window	___	__.__	_.__

Reg. To: 4N6XPRT Systems **S/N:99R-930512AQ03201**

2009 INTERNATIONAL 9200I 6X4 234"WB 2DR TRACTOR

INTERIOR DIMENSIONS

	Inches	Feet	Meters
Front Seat Shoulder Width	___	__.__	_.__
Front Seat to Headliner	___	__.__	_.__
Front Leg - seatback to floor (max)	___	__.__	_.__
Rear Seat Shoulder Width	___	__.__	_.__
Rear Seat to Headliner	___	__.__	_.__
Rear Leg - seatback to floor (min)	___	__.__	_.__

Seatbelts: SEATBELTS UNKNOWN
Airbags: NO AIRBAGS

STEERING DATA

Turning Circle (Diameter)	864	72.00	21.95
Steering Ratio: 18.50:1			
Wheel Radius:	___	__.__	_.__
Tire Size (OEM): 295/75R22.5			

ACCELERATION & BRAKING INFORMATION

Brake Type: AIRBRAKES
ABS System: ABS UNKNOWN

Braking, 60 mph -> 0 (Hard pedal, no skid, dry pavement):
d = ___ ft t = __._ sec. a =-__._ ft/sec/sec G-force = -_.__

ACCELERATION:

0->30 mph	t = __._ sec.	a = __._ ft/sec/sec	G-force = _.__
0->60 mph	t = __._ sec.	a = __._ ft/sec/sec	G-force = _.__
45->65 mph	t = __._ sec.	a = __._ ft/sec/sec	G-force = _.__

Transmission Type: 9spd MANUAL

NOTES:

Federal Bumper Standard Requirements = NO REQUIREMENT

2009 INTERNATIONAL 9200I 6X4 234"WB 2DR TRACTOR

OTHER INFORMATION

TIP-OVER STABILITY RATIO = 0.86 UNSTABLE

CENTER OF GRAVITY (No Load):

Inches behind front axle	= 105.30
Inches in front of rear axle	= 128.70
Inches from side of vehicle	= 48.00
Inches from ground	= 44.00
Inches from front corner	= 158.73
Inches from rear corner	= 187.93
Inches from front bumper	= 151.30
Inches from rear bumper	= 181.70

MOMENTS OF INERTIA APPROXIMATIONS (No Load):

YAW MOMENT OF INERTIA	= 13524.03	lb-ft-sec^2
PITCH MOMENT OF INERTIA	= 13008.99	lb-ft-sec^2
ROLL MOMENT OF INERTIA	= 2424.18	lb-ft-sec^2

FRONT PROFILE INFORMATION

ANGLE FRONT BUMPER TO HOOD FRONT	= ___	deg
ANGLE FRONT OF HOOD TO WINDSHIELD BASE	= ___	deg
ANGLE FRONT OF HOOD TO WINDSHIELD TOP	= ___	deg
ANGLE OF WINDSHIELD	= ___	deg
ANGLE OF STEERING TIRES AT MAX TURN	= 31.0	deg

FIRST APPROXIMATION CRUSH FACTORS:

Speed Equivalent (mph) of energy used in causing crush or indentation may be evaluated using the following formula and the appropriate Crush Factor (CF) and Maximum indentation depth, or MID, (in feet):

V(mph) = Sqr root of (30 * CF * MID)

Front Impact for a front engine vehicle	= 21
Front Impact for a Rear engine vehicle	= 27
Side Impact	= 27
Rear Impact for a front engine vehicle	= 27
Rear Impact for a rear engine vehicle	= 21

These CF values are based upon analysis of NHTSA Barrier Crash data, and from over 1000 vehicle accidents where independant evaluation of speed was possible. (These are NOT 'A', 'B', 'C', or 'G' values)

The Rear Impact data with more than 2-3 inches of crush damage should be looked at carefully, since some vehicles have very weak trunk & fender strength. Therefore, on some cars, esp. GM, your estimate from the rear crush data may be high by as much as 4-5 mph (on a crush of 18 inches).