

* * * 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)

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VEHICLE DATA RESEARCH BY:

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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
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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	—	—	—

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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-sec²
 PITCH MOMENT OF INERTIA = 14255.40 lb-ft-sec²
 ROLL MOMENT OF INERTIA = 2650.80 lb-ft-sec²

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):

$$V(\text{mph}) = \text{Sqr root of } (30 * CF * \text{MID})$$

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 independent 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.

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 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

N.S.D.C. = 2003 - 2011

Reg. To: 4N6XPRT Systems

S/N:99R-930512AQ03201

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-sec²
 PITCH MOMENT OF INERTIA = 12761.49 lb-ft-sec²
 ROLL MOMENT OF INERTIA = 2379.18 lb-ft-sec²

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):

$$V(\text{mph}) = \text{Sqr root of } (30 * CF * \text{MID})$$

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 independent 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).

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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

N.S.D.C. = 2003 - 2011

Reg. To: 4N6XPRT Systems

S/N:99R-930512AQ03201

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-sec²
 PITCH MOMENT OF INERTIA = 13008.99 lb-ft-sec²
 ROLL MOMENT OF INERTIA = 2424.18 lb-ft-sec²

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):

$$V(\text{mph}) = \text{Sqr root of } (30 * CF * \text{MID})$$

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

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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).