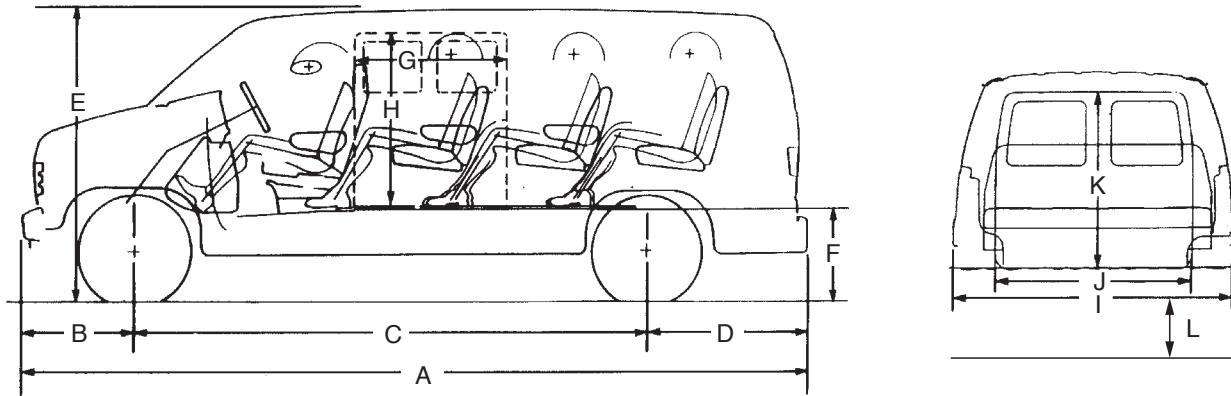


2014

E-Series Wagon Dimensions



BODY DIMENSIONS (in.) — Wagon Exterior

Model/Series	E-150	E-350	E-350 Extended Wagon
Code Description			
A Overall Length	216.7	216.7	236.7
B Front Overhang	34.9	34.9	34.9
C Wheelbase	138.0	138.0	138.0
D Rear Overhang	43.8	43.8	63.8
E Cab Height	82.1	83.1	82.3
F Load Height	28.8	30.2	29.1
G Side Cargo Door Opening Width (Hinged) ⁽¹⁾	44.8	44.8	44.8
H Side Cargo Door Opening Height	47.2	47.2	47.2
I Vehicle Width ⁽²⁾	79.4	79.4	79.4
J Rear Cargo Opening Width at Floor	54.4	54.4	54.4
K Rear Cargo Opening Height	46.8	46.8	48.0
L Minimum Running Ground Clearance	7.4	7.6	8.1

(1) Available Sliding = 45.6"

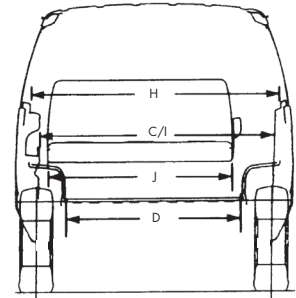
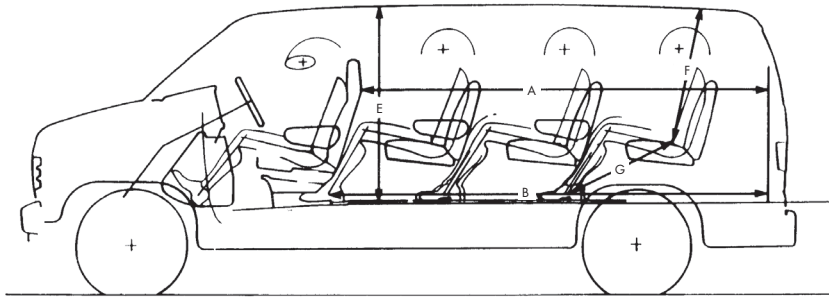
(2) Excluding mirrors.

NOTE: Please see the Major Product Summary pages and/or the Dealer Ordering Guide for availability.

E-Series Wagon

Dimensions cont'd

2014



BODY DIMENSIONS (in.) — Wagon Interior

Model/Series		E-150	E-350	E-350 Extended Wagon
Code	Description			
A	Cargo Length at Belt	113.7	113.7	133.7
B	Cargo Length at Floor	120.6	120.6	140.6
C	Overall Cargo Width at Floor (max. excluding wheelhouses)	67.8	67.8	67.8 (11 pass.) 69.8 (15 pass.)
D	Cargo Width Between Wheelhouses	51.1	51.1	51.1
E	Cargo Height	51.9	51.9	51.9
F	Head Room (1st Row)	42.0	42.0	42.0
F	Head Room (2nd Row)	40.2	40.2	40.2
F	Head Room (3rd Row)	40.1	40.1	40.1
F	Head Room (4th Row)	—	38.9	39.6
F	Head Room (5th Row)	—	—	37.4
G	Leg Room (1st Row)	40.0	40.0	40.0
G	Leg Room (2nd Row)	38.8	38.8	38.8
G	Leg Room (3rd Row)	40.0	40.0	40.0
G	Leg Room (4th Row)	—	39.4	39.4
G	Leg Room (5th Row)	—	—	37.0
H	Shoulder Room (1st Row)	68.1	68.1	68.1
H	Shoulder Room (2nd Row)	71.7	71.7	72.8
H	Shoulder Room (3rd Row)	71.7	71.7	71.7
H	Shoulder Room (4th Row)	—	69.4	69.4
H	Shoulder Room (5th Row)	—	—	67.5
I	Hip Room (1st Row)	65.6	65.6	65.6
I	Hip Room (2nd Row)	66.5	66.5	68.6
I	Hip Room (3rd Row)	66.8	66.8	66.8
J	Hip Room (4th Row)	—	66.1	66.1
J	Hip Room (5th Row)	—	—	65.8

E-Series Wagon

NOTE: Please see the Major Product Summary pages and/or the Dealer Ordering Guide for availability.

May 2013

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E-Series Wagon Weight Ratings

GVWR/Passenger Capacity/OPT & ARC/GAWR (Front Computer-selected)/
Base Curb Weight

Model	WB (in.)	Engine/Trans.	Maximum GVWR (lbs.)	Maximum Passenger Capacity	OPT/ARC Weight (lbs.) ⁽¹⁾	GAWR (lbs.) ⁽²⁾		Base Curb Weight (lbs.)		
						Front Range Min.–Max.	Rear	Front	Rear	Total
E-150 Wagon	138	4.6L/Auto	8520	8	671	3700 – 3800	5120	2995	2684	5679
	138	5.4L/Auto	8600	8	593	3700 – 3800	5120	3053	2704	5757
E-350 Wagon	138	5.4L/Auto	8800	12	731	3700 – 3800	5360	3059	2969	6028
	138	6.8L/Auto	8800	12	517	3550 – 3900	5545	3225	3015	6240
E-350 Extended Wagon	138	5.4L/Auto	9300	11	1195	3400 – 3700	6084	2966	3261	6227
	138	6.8L/Auto	9500	11	1138	3550 – 3800	6084	3127	3310	6437
	138	5.4L/Auto	9100	15	353	3250 – 3400	6084	2897	3535	6432
	138	6.8L/Auto	9300	15	342	3400 – 3550	6084	3061	3580	6641

(1) OPT & ARC weight is the maximum allowable weight for regular production options (OPT) and aftermarket equipment (Accessory Reserve Capacity [ARC]) for models with standard equipment and the engine/transmission combination indicated.

(2) Gross axle weight rating (GAWR) is determined by the rated capacity of the minimum component of the axle system (axle, computer-selected springs, wheels, tires) of a specific vehicle. Front and rear GAWRs will, in all cases, sum to a number equal to or greater than the GVWR for the particular vehicle. Maximum loaded vehicle (including passengers, equipment and payload) cannot exceed the GVWR or GAWR (front or rear).

NOTE: Refer to page 31 for Standard Powertrain/Chassis Equipment Specifications. Refer to the ARC Calculation/Worksheet on page 4-6 of the Truck Payload Appendices section on eSourceBook.

E-Series Wagon

Standard Seating Capacity/ Powertrain/Chassis Equipment Specifications

2014

MODEL: WAGON — 138" WB	E-150			E-350		E-350 EXTENDED			
TRIM:	XL	XLT	XLT Premium	XL	XLT	XL		XLT	
PASSENGER CAPACITY:	8	8	7	12	12	15	11	15	11
SEATING ARRANGEMENTS:									
Bucket Seats — Dual (1st row)	■			■		■	■		
Captain's Chairs — Dual (1st row)		■			■			■	■
— Quad (1st/2nd row)			■						
Bench Seat — 3 Pass. (2nd row)	■	■		■	■	■	■	■	■
— 3 Pass. (3rd row)	■	■	■	■	■	■	■	■	■
— 3 Pass. (4th row)						■	■	■	■
— 4 Pass. (4th row)				■	■				
— 4 Pass. (5th row)						■		■	
POWERTRAIN:									
Engine — Application	Refer to Preferred Equipment Packages for 50 States Usage								
— Type	4.6L SEFI V8			5.4L SEFI V8					
Transmission — Type	4-speed Auto OD (4R75E)								
AXLES:									
Front Axle — Type	Twin I-beam IFS								
— Capacity (Rating @ Ground) (lbs.)	5000								
Rear Axle — Type	Semi-floating, Dana 9.75"								
— Capacity (Rating @ Ground) (lbs.)	5520			6340 (E-350)					
BRAKES:									
Front Disc — Type	Dual-piston Caliper (2.36" Caliper Piston)								
— Size (in.)	13.58 Diameter Rotor								
Rear Disc — Type	Dual-piston Caliper (1.89" Caliper Piston)								
— Size (in.)	13.58 Diameter Rotor								
— Boost Ratio	7.5:1								
Power Assist Unit — Type	Dual Diaphragm								
— Effective Dia. (in.)	13.46								
Anti-Lock System — Type	4-wheel ABS								
Parking Brake — Rear Brakes	Foot-operated, Push to Apply/Pull Hand Lever to Disengage								
ELECTRICAL:									
Alternator — Rating	6G135 - 120-ampere, 1620-watts ⁽¹⁾								
Battery — Type	Maintenance-free								
— Rating	72 amp-hr., 650-CCA								
FUEL TANK:									
— Capacity	33-gallon midship								
JACK:									
— Capacity	2-ton Mechanical								
STEERING:									
— Type	Gear Assembly Power Steering (H.D. Gear on E-350 Wagons)								
— Ratio	17.0:1								
SUSPENSION:									
Frame — Type	Single-channel, 5 Crossmembers (6 with E-350 Wagons), 36,000 psi Steel								
— Section Modulus	3.30 cu. in.			5.44 cu. in.					
Springs, Front — Type	Coil, Computer-selected								
— Rating @ Ground (min.) (lbs.)	3550			3400		3100			
Springs, Rear — Type	Multi-leaf, Two-stage								
— Rating @ Ground (min.) (lbs.)	5120			5545		6195			
Shock Absorbers — Gas-type	35 mm								
Stabilizer Bar — Front — Diameter	25.4 mm								
TIRES:									
— Type	Five, BSW, Steel-belted Radial, All-season								
— Size	LT225/75R16E					LT245/75R16E			
— Spare Tire Carrier	Frame-mounted at Rear with Cable Retention								
WHEELS:									
— Type & Size	Five, 8-hole Disc, 16" x 7.0" J Steel								

(1) Rated current @ 6000 rpm per ISO 8854; 1988(E) and SAE J56 JUN 1999.

NOTE: Please see the Major Product Summary pages and/or the Dealer Ordering Guide for availability.

Axles

FRONT AXLE SPECIFICATIONS

Model/Series	E-150/E-350 Wagon	
Max. Rating @ Ground (lbs.)	5000	
Type	Twin I-beam Spindle with Ball Joints	
Axle	— Material	Nodular Cast Iron
	— Spring Centers (in.)	47.0
Radius Arms	— No.	2
	— Material	Stamped High-strength Low-alloy Steel
Ball Joint	—	Lubed-for-life Ball Joints
Spindle	— Material	Nodular Cast Iron Body with Forged Steel Stem
Wheel Bearings	— Type	Tapered Roller

REAR AXLE SPECIFICATIONS

Model/Series	E-150 Wagon	E-350 Wagon
Make	Dana 9.75"	Dana 9.75" HD
Rating @ Ground (lbs.)	5520	6340
Type	Semi-floating	
Driveline Attachment (in.)	4.25 Circular Flange	
Housing	— Type	Cast Center
	— Cover Attachment	Bolted
Section	— Tube Diameter (in.)	3.50
	— Thickness (in.)	0.33
Lubricant Capacity (pt.)	6.25	
Spring Centers (in.)	48.92	
Wheel Bearings	— Type	Straight Roller
Gears	— Type	Hypoid
	— Material	Alloy Steel
Ring Gear	— Pitch Diameter (in.)	9.75
Pinion	— Mounting	Overhung
Differential	— Type	2-pinion
	— L/S Type	Traction-Lok
Axle Shaft	— Spline - Minor Diameter (in.)	1.36
	— Spline - Major Diameter (in.)	1.45
	— No. of Splines	35

Brakes

HYDRAULIC BRAKE EQUIPMENT SPECIFICATIONS — FRONT/REAR

Type	Model/Series	Rotor Dia. (in.)		Brake Lining Segment	Area (sq. in.)		Caliper Piston Dia. (in.)	Gross Lining Area Per Axle (sq. in.)	Total Swept Area Per Axle (sq. in.)
		OD	ID		Width (sq. in.)	Thickness (sq. in.)			
Disc	E-150/E-350 (Front)	13.58	8.07	Outboard	7.16/2.34/0.489		2.36	47.8	341.6
	E-150/E-350 (Rear)	13.58	9.88	Outboard	6.65/2.33/0.346		1.89	39.5	272.7
				Inboard	5.31/2.03/0.413				

NOTE: Please see the Major Product Summary pages and/or the Dealer Ordering Guide for availability.

E-Series Wagon

Technical Specifications cont'd

2014

Brakes cont'd

BRAKE MASTER CYLINDER SPECIFICATIONS

Type	Model/Series	Bore Diameter (in.)
Dual System, Dash-mounted	E-150	1.125
	E-350 Wagon	1.250

POWER BRAKES VACUUM BOOSTER SPECIFICATIONS

Make/Type	Model/Series	Effective Diameter (in.)	Outside Diameter (in.)	Diaphragm Type
Dash-mounted	All	13.46	10.80	Dual

Cooling Systems

COOLING SYSTEM SPECIFICATIONS

Engine	Cooling	Trans. Usage	Frontal Area (sq. in.)	Core Size (in.)				Rows of Tubes	Fins per Inch	Cooling System Capacity (approx. quarts)	Fan Specifications	
				Height	Width	Thick.	Blade No. of Blades				Blade Dia. (in.)	
4.6L SEFI V8	All	Auto.	708	23.6	30.0	1	1	15.2	23.8	Plastic	10	19.4
5.4L SEFI V8	All	Auto.	708	23.6	30.0	1	1	15.2	25.9	Plastic	10	19.4
6.8L SEFI V10	All	Auto.	708	23.6	30.0	1.4	1	16.5	27.9	Plastic	8	20.0

AUXILIARY AUTOMATIC TRANSMISSION OIL COOLER APPLICATIONS

Model/Series	Engine	Transmission	Standard No. of Plates	Air Conditioning No. of Plates	Trailer Towing No. of Plates
E-150 Wagon	4.6L SEFI	4R75E	20 - 5/16" Port	20 - 5/16" Port	20 - 5/16" Port
	5.4L SEFI	4R75E	20 - 1/2" Port	20 - 1/2" Port	20 - 1/2" Port
E-350 Wagon	6.8L SEFI	TorqShift®	20 - 1/2" Port	20 - 1/2" Port	24 - 1/2" Port

FUEL SYSTEM DATA

Electronic Fuel Injection	4.6L SEFI V8	Sequential Multiport Fuel Injection
	5.4L SEFI V8	Sequential Multiport Fuel Injection
	6.8L SEFI V10	Sequential Multiport Fuel Injection
Fuel Pump	All Gasoline Engines	Electric-in-Tank High Pressure
Fuel Filter	All Gasoline Engines	In-line Large Capacity (One)
Air Cleaner	All Engines	Dry Element, Replaceable

NOTE: Please see the Major Product Summary pages and/or the Dealer Ordering Guide for availability.

May 2013

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Steering

STEERING SPECIFICATIONS

Model/Series	Power Steering ⁽¹⁾		Turning Diameter (ft.) ⁽²⁾	
	Gear Ratio	Overall Ratio	Curb-to-Curb	Wall-to-Wall
E-150 Wagon	17:1	21.2:1	48.6	50.1
E-350 Wagon	17:1	21.2:1	48.6	50.0
E-350 Extended Wagon	17:1	21.2:1	48.6	50.0

(1) 15-1/2" diameter steering wheel.

(2) Average of left and right turns with standard tires.

Suspensions

FRAME SPECIFICATIONS

Model/Series	Wheelbase (in.)	Maximum Side Rail Section (in.)	Section Modulus (in.)	Yield Strength (psi)
E-150 Wagon	138	6.16 x 3.18 x 0.181	3.30	36,000
E-350 Wagon ⁽¹⁾	138	6.16 x 3.18 x 0.181	3.30	36,000
E-350 Wagon ⁽²⁾	138	7.69 x 3.18 x 0.212	5.44	36,000

(1) Regular Length w/5.4L engine.

(2) Extended Length.

SHOCK ABSORBER SPECIFICATIONS

Model/Series	Usage	Front & Rear		
		No. Used	Piston Dia. (mm)	Type
E-150 Wagon	Std.	4	32	Gas-pressurized
E-350 Wagon	Std.	4	32	Gas-pressurized

SPRING SPECIFICATIONS – FRONT COIL

Model/Series	Wheelbase (in.)	Combined Rating @ Ground (lbs.)	Norm. Working Height of Spring (mm)	Inside Diameter (mm)	Wire Diameter (mm)	Deflection Rate @ Ground (N/mm)
E-150 Wagon	138	3800	304.6	102.4	18.30	95.13
		3900	304.6	102.4	18.60	99.16
E-350 Wagon	138	3400	304.6	102.4	17.75	84.27
		3800	304.6	102.4	18.30	95.13
		3900	304.6	102.4	18.60	99.16
		4400	304.6	102.4	19.35	100.17

NOTE: Please see the Major Product Summary pages and/or the Dealer Ordering Guide for availability.

E-Series Wagon

Technical Specifications cont'd/ Special Applications

2014

SPRING SPECIFICATIONS — REAR LEAF

Model/Series	Wheel-base (in.)	Combined Rating @ Ground (lbs.)	Number of Leaves	Total Thickness @ Pad (in.)	Length (in.)	Width (in.)	Deflection Rate (lbs. per in./spring) Two-Stage	Rating Each @ Pad (lbs. per spring)
E-150 Wagon	138	5120	4	1.94	55.0	3.00	379/599	2230
E-350 Wagon	138	5545	4	1.94	55.0	3.00	350/649	2447
E-350 Extended Wagon	138	6195	4	2.00	55.0	3.00	373/699	2772

Tires and Wheels

TIRE SPECIFICATIONS

Size	Rim Width (in.)	Section Width (in.)
LT245/75R16	7.0	9.65
LT225/75R16	7.0	8.86

WHEEL SPECIFICATIONS

Wheel Type	Wheel Size	Nominal Offset (mm)	No. of Studs	Bolt Circle (in.)	Max. Wheel Capacity Load (lbs. @ ground)
Steel	16" x 7.0"	0.25	8	6.5	2300 Front/3045 Rear
Forged Aluminum	16" x 7.0"	0.25	8	6.5	3045

Transmissions

AUTOMATIC TRANSMISSION SPECIFICATIONS

Make/Type	Ford 4-Speed Automatic Overdrive (4R75E)	Ford 5-Speed Automatic Overdrive (TorqShift®)
Engine	4.6L SEFI V8/5.4L SEFI V8	6.8L SEFI V10
Ratios (to 1)		
1st	2.84	3.11
2nd	1.55	2.11
3rd	1.00	1.55
4th — OD	0.70	1.00
5th — OD	—	0.71
Reverse	2.32	2.88
Converter Size & Type	12" 145K (L370 Bypass Clutch)	12" PCM Controlled Clutch Apply
Converter Stall Ratio	2.33	—
Converter Torque Ratio @ WOT Stall	—	1.86 (6.8L)
Lubricant Capacity (pt.)	13.2 (E Lifetime Fluid)	19.0 (6.8L)
Gearset	Helical	Spur
Oil Cooler	Water	Oil-to-Air and In-tank

Special Applications

Trailer Towing Information

For additional towing information, please refer to the RV & Trailer Towing Guide, available as a downloadable PDF on eSourceBook, or the vehicle owner manual.

Snowplow Information

Not recommended for snowplow applications.

NOTE: Please see the Major Product Summary pages and/or the Dealer Ordering Guide for availability.