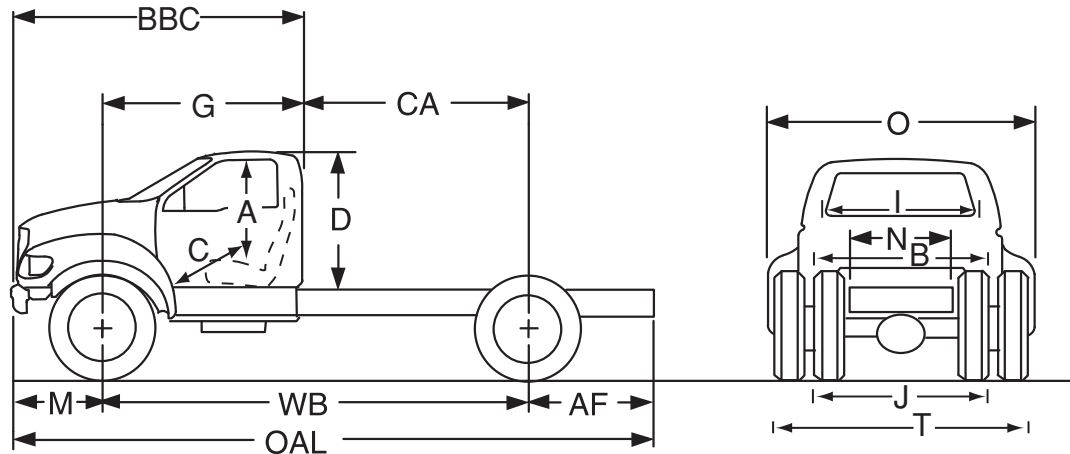


2009 F-650/F-750 Super Duty® Chassis Cabs

Dimensions

F-650/F-750 SD CHASSIS CABS
**F-650/F-750
SD Chassis Cabs**


Body Dimensions REGULAR CAB CHASSIS

Wheelbase		134.0 WB.	146.0 WB.	158.0 WB.	158.0 WB.	158.0 WB.	176.0 WB.
Code	Description	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)
CA	Back of Cab to C/L Rear Axle	59.6	71.8	83.6	83.6	83.6	101.7
AF	Axle to End of Frame	39.0	39.0	63.0	39.0	49.0	70.0
OAL	Overall Length	212.2	224.4	260.2	236.2	246.1	285.4
A	Head Room	41.3	41.3	41.3	41.3	41.3	41.3
B	Hip Room	67.4	67.4	67.4	67.4	67.4	67.4
C	Leg Room	40.7	40.7	40.7	40.7	40.7	40.7
D	Frame to Top of Cab	56.6	56.6	56.6	56.6	56.6	56.6
BBC	Front Bumper to Back of Cab	113.0	113.0	113.0	113.0	113.0	113.0
G	C/L Front Axle to Back of Cab	74.0	74.0	74.0	74.0	74.0	74.0
I	Shoulder Room	68.0	68.0	68.0	68.0	68.0	68.0
J	Front Tread Width	80.3	80.3	80.3	80.3	80.3	80.3
M	Front Overhang	39.4	39.4	39.4	39.4	39.4	39.4
N	Width Between Frame Rails	34.0	34.0	34.0	34.0	34.0	34.0
O	Width over Fenders	96.7	96.7	96.7	96.7	96.7	96.7
T	Rear Tread Width	96.0	96.0	96.0	96.0	96.0	96.0

Wheelbase		182.0 WB.	182.0 WB.	194.0 WB.	200.0 WB.	212.0 WB.
Code	Description	(in.)	(in.)	(in.)	(in.)	(in.)
CA	Back of Cab to C/L Rear Axle	107.6	107.6	119.8	125.7	137.6
AF	Axle to End of Frame	75.0	70.0	75.0	75.0	81.0
OAL	Overall Length	296.5	291.3	308.7	314.6	332.3
A	Head Room	41.3	41.3	41.3	41.3	41.3
B	Hip Room	67.4	67.4	67.4	67.4	67.4
C	Leg Room	40.7	40.7	40.7	40.7	40.7
D	Frame to Top of Cab	56.6	56.6	56.6	56.6	56.6
BBC	Front Bumper to Back of Cab	113.0	113.0	113.0	113.0	113.0
G	C/L Front Axle to Back of Cab	74.0	74.0	74.0	74.0	74.0
I	Shoulder Room	68.0	68.0	68.0	68.0	68.0
J	Front Tread Width	80.3	80.3	80.3	80.3	80.3
M	Front Overhang	39.4	39.4	39.4	39.4	39.4
N	Width Between Frame Rails	34.0	34.0	34.0	34.0	34.0
O	Width over Fenders	96.7	96.7	96.7	96.7	96.7
T	Rear Tread Width	96.0	96.0	96.0	96.0	96.0

F-650/F-750 SD CHASSIS CABS

2009 F-650/F-750 Super Duty® Chassis Cabs

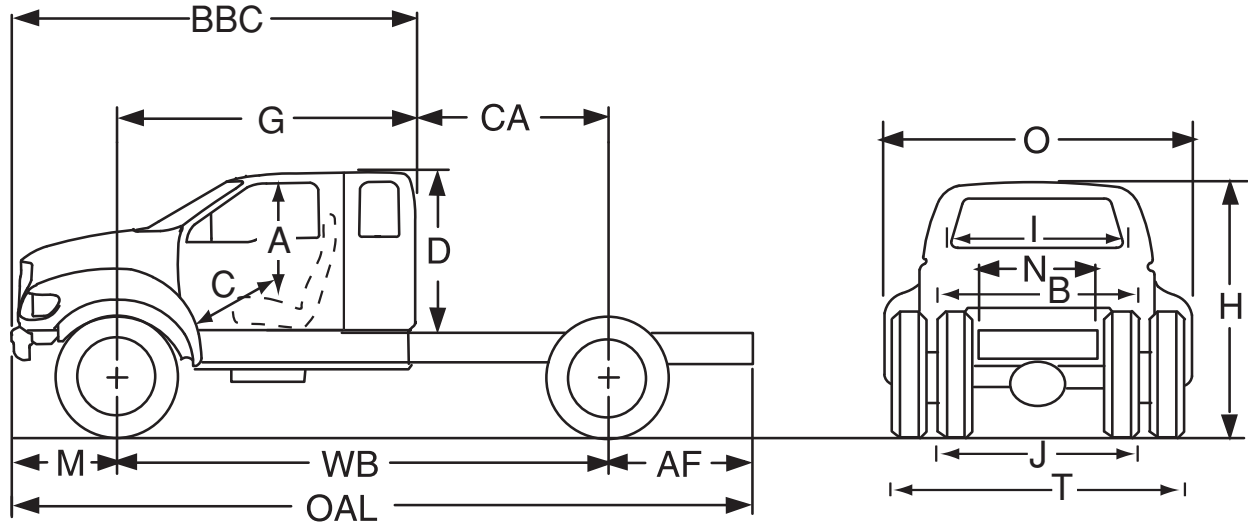
Dimensions cont'd

Body Dimensions REGULAR CAB CHASSIS

Wheelbase		218.0 WB.	224.0 WB.	230.0 WB.	242.0 WB.	260.0 WB.
Code	Description	(in.)	(in.)	(in.)	(in.)	(in.)
CA	Back of Cab to C/L Rear Axle	143.9	149.8	155.7	167.9	185.6
AF	Axle to End of Frame	81.0	87.0	87.0	100.0	120.0
OAL	Overall Length	338.6	350.4	356.3	381.5	419.3
A	Head Room	41.3	41.3	41.3	41.3	41.3
B	Hip Room	67.4	67.4	67.4	67.4	67.4
C	Leg Room	40.7	40.7	40.7	40.7	40.7
D	Frame to Top of Cab	56.6	56.6	56.6	56.6	56.6
BBC	Front Bumper to Back of Cab	113.0	113.0	113.0	113.0	113.0
G	C/L Front Axle to Back of Cab	74.0	74.0	74.0	74.0	74.0
I	Shoulder Room	68.0	68.0	68.0	68.0	68.0
J	Front Tread Width	80.3	80.3	80.3	80.3	80.3
M	Front Overhang	39.4	39.4	39.4	39.4	39.4
N	Width Between Frame Rails	34.0	34.0	34.0	34.0	34.0
O	Width over Fenders	96.7	96.7	96.7	96.7	96.7
T	Rear Tread Width	96.0	96.0	96.0	96.0	96.0

2009 F-650/F-750 Super Duty® Chassis Cabs

Dimensions cont'd

F-650/F-750 SD CHASSIS CABS
**F-650/F-750
SD Chassis Cabs**


Body Dimensions SUPERCAB CHASSIS

Wheelbase		155.0 WB.	167.0 WB.	179.0 WB.	179.0 WB.	179.0 WB.	197.0 WB.
Code	Description	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)
CA	Back of Cab to C/L Rear Axle	60.0	71.9	84.1	84.1	84.1	101.8
AF	Axle to End of Frame	39.0	39.0	49.0	63.0	39.0	70.0
OAL	Overall Length	233.5	245.3	267.3	281.5	257.5	306.3
A	Head Room	41.3	41.3	41.3	41.3	41.3	41.3
B	Hip Room	67.4	67.4	67.4	67.4	67.4	67.4
C	Leg Room	40.7	40.7	40.7	40.7	40.7	40.7
D	Frame to Top of Cab	56.9	56.9	56.9	56.9	56.9	56.9
BBC	Front Bumper to Back of Cab	134.4	134.4	134.4	134.4	134.4	134.4
G	C/L Front Axle to Back of Cab	95.1	95.1	95.1	95.1	95.1	95.1
I	Shoulder Room	68.0	68.0	68.0	68.0	68.0	68.0
J	Front Tread Width	80.3	80.3	80.3	80.3	80.3	80.3
M	Front Overhang	39.4	39.4	39.4	39.4	39.4	39.4
N	Width Between Frame Rails	34.0	34.0	34.0	34.0	34.0	34.0
O	Width over Fenders	96.7	96.7	96.7	96.7	96.7	96.7
T	Rear Tread Width	96.0	96.0	96.0	96.0	96.0	96.0

Wheelbase		203.0 WB.	203.0 WB.	215.0 WB.	221.0 WB.	233.0 WB.
Code	Description	(in.)	(in.)	(in.)	(in.)	(in.)
CA	Back of Cab to C/L Rear Axle	108.1	108.1	119.9	125.8	138.0
AF	Axle to End of Frame	70.0	75.0	75.0	75.0	81.0
OAL	Overall Length	312.6	317.7	329.5	335.4	353.5
A	Head Room	41.3	41.3	41.3	41.3	41.3
B	Hip Room	67.4	67.4	67.4	67.4	67.4
C	Leg Room	40.7	40.7	40.7	40.7	40.7
D	Frame to Top of Cab	56.9	56.9	56.9	56.9	56.9
BBC	Front Bumper to Back of Cab	134.4	134.4	134.4	134.4	134.4
G	C/L Front Axle to Back of Cab	95.1	95.1	95.1	95.1	95.1
I	Shoulder Room	68.0	68.0	68.0	68.0	68.0
J	Front Tread Width	80.3	80.3	80.3	80.3	80.3
M	Front Overhang	39.4	39.4	39.4	39.4	39.4
N	Width Between Frame Rails	34.0	34.0	34.0	34.0	34.0
O	Width over Fenders	96.7	96.7	96.7	96.7	96.7
T	Rear Tread Width	96.0	96.0	96.0	96.0	96.0

F-650/F-750 SD CHASSIS CABS

2009 F-650/F-750 Super Duty® Chassis Cabs

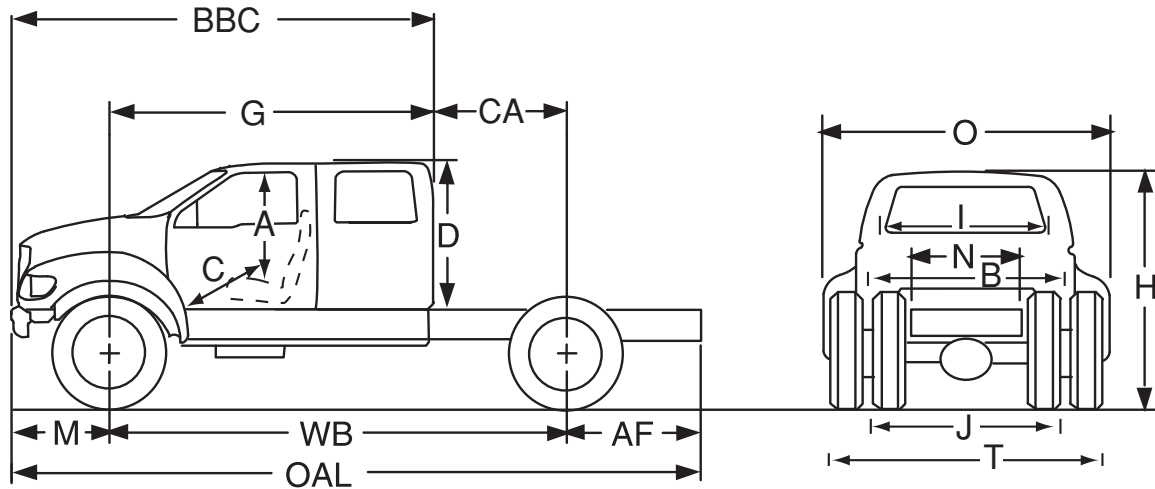
Dimensions cont'd

**Body Dimensions
SUPERCAB CHASSIS**

Wheelbase		239.0 WB.	245.0 WB.	251.0 WB.	263.0 WB.	281.0 WB.
Code	Description	(in.)	(in.)	(in.)	(in.)	(in.)
CA	Back of Cab to C/L Rear Axle	143.9	149.8	156.1	167.9	186.0
AF	Axle to End of Frame	81.0	87.0	87.0	100.0	120.0
OAL	Overall Length	359.4	371.3	377.6	402.4	440.6
A	Head Room	41.3	41.3	41.3	41.3	41.3
B	Hip Room	67.4	67.4	67.4	67.4	67.4
C	Leg Room	40.7	40.7	40.7	40.7	40.7
D	Frame to Top of Cab	56.9	56.9	56.9	56.9	56.9
BBC	Front Bumper to Back of Cab	134.4	134.4	134.4	134.4	134.4
G	C/L Front Axle to Back of Cab	95.1	95.1	95.1	95.1	95.1
I	Shoulder Room	68.0	68.0	68.0	68.0	68.0
J	Front Tread Width	80.3	80.3	80.3	80.3	80.3
M	Front Overhang	39.4	39.4	39.4	39.4	39.4
N	Width Between Frame Rails	34.0	34.0	34.0	34.0	34.0
O	Width over Fenders	96.7	96.7	96.7	96.7	96.7
T	Rear Tread Width	96.0	96.0	96.0	96.0	96.0

2009 F-650/F-750 Super Duty® Chassis Cabs

Dimensions cont'd

F-650/F-750 SD CHASSIS CABS
**F-650/F-750
SD Chassis Cabs**


Body Dimensions CREW CAB CHASSIS

Wheelbase	170.0 WB.	182.0 WB.	194.0 WB.	194.0 WB.	194.0 WB.	212.0 WB.
Code Description	(in.)	(in.)	(in.)	(in.)	(in.)	(in.)
CA Back of Cab to C/L Rear Axle	60.5	72.3	84.5	84.5	84.5	102.2
AF Axle to End of Frame	39.0	39.0	49.0	63.0	39.0	70.0
OAL Overall Length	248.4	260.2	282.3	296.5	272.4	321.3
A Head Room	41.3	41.3	41.3	41.3	41.3	41.3
B Hip Room	67.4	67.4	67.4	67.4	67.4	67.4
C Leg Room	40.7	40.7	40.7	40.7	40.7	40.7
D Frame to Top of Cab	57.5	57.5	57.5	57.5	57.5	57.5
BBC Front Bumper to Back of Cab	148.0	148.0	148.0	148.0	148.0	148.0
G C/L Front Axle to Back of Cab	109.6	109.6	109.6	109.6	109.6	109.6
I Shoulder Room	68.0	68.0	68.0	68.0	68.0	68.0
J Front Tread Width	80.3	80.3	80.3	80.3	80.3	80.3
M Front Overhang	39.4	39.4	39.4	39.4	39.4	39.4
N Width Between Frame Rails	34.0	34.0	34.0	34.0	34.0	34.0
O Width over Fenders	96.7	96.7	96.7	96.7	96.7	96.7
T Rear Tread Width	96.0	96.0	96.0	96.0	96.0	96.0

Wheelbase	218.0 WB.	218.0 WB.	230.0 WB.	236.0 WB.	248.0 WB.
Code Description	(in.)	(in.)	(in.)	(in.)	(in.)
CA Back of Cab to C/L Rear Axle	108.5	108.5	120.3	126.2	138.4
AF Axle to End of Frame	70.0	75.0	75.0	75.0	81.0
OAL Overall Length	327.6	332.7	344.5	350.4	368.5
A Head Room	41.3	41.3	41.3	41.3	41.3
B Hip Room	67.4	67.4	67.4	67.4	67.4
C Leg Room	40.7	40.7	40.7	40.7	40.7
D Frame to Top of Cab	57.5	57.5	57.5	57.5	57.5
BBC Front Bumper to Back of Cab	148.0	148.0	148.0	148.0	148.0
G C/L Front Axle to Back of Cab	109.6	109.6	109.6	109.6	109.6
I Shoulder Room	68.0	68.0	68.0	68.0	68.0
J Front Tread Width	80.3	80.3	80.3	80.3	80.3
M Front Overhang	39.4	39.4	39.4	39.4	39.4
N Width Between Frame Rails	34.0	34.0	34.0	34.0	34.0
O Width over Fenders	96.7	96.7	96.7	96.7	96.7
T Rear Tread Width	96.0	96.0	96.0	96.0	96.0

F-650/F-750 SD CHASSIS CABS

2009 F-650/F-750 Super Duty® Chassis Cabs

Dimensions cont'd/Curb Weights

Body Dimensions CREW CAB CHASSIS

Wheelbase	254.0 WB.	254.0 WB.	260.0 WB.	266.0 WB.	278.0 WB.
Code	Description	(in.)	(in.)	(in.)	(in.)
CA	Back of Cab to C/L Rear Axle	144.3	144.3	150.2	156.5
AF	Axle to End of Frame	81.0	96.0	87.0	100.0
OAL	Overall Length	374.4	389.4	386.2	392.5
A	Head Room	41.3	41.3	41.3	41.3
B	Hip Room	67.4	67.4	67.4	67.4
C	Leg Room	40.7	40.7	40.7	40.7
D	Frame to Top of Cab	57.5	57.5	57.5	57.5
BBC	Front Bumper to Back of Cab	148.0	148.0	148.0	148.0
G	C/L Front Axle to Back of Cab	109.6	109.6	109.6	109.6
I	Shoulder Room	68.0	68.0	68.0	68.0
J	Front Tread Width	80.3	80.3	80.3	80.3
M	Front Overhang	39.4	39.4	39.4	39.4
N	Width Between Frame Rails	34.0	34.0	34.0	34.0
O	Width over Fenders	96.7	96.7	96.7	96.7
T	Rear Tread Width	96.0	96.0	96.0	96.0

Base Curb Weights⁽¹⁾

Series	Model	Wheelbase Range (in.)	Base Curb Weight (lbs.)
F-650 Pro Loader	Regular Cab	134	7814
		158	7975
		182	8067
		194	8118
		218	8195
		242	8345
	SuperCab	155	8078
		179	8219
		203	8532
		239	8459
	Crew Cab	170	8247
		194	8408
		218	8500
		254	8687

(1) Includes minimum required and standard equipment, water and oil.

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2009 F-650/F-750 Super Duty® Chassis Cabs

Curb Weights cont'd

F-650/F-750 SD CHASSIS CABS

F-650/F-750
SD Chassis Cabs

Base Curb Weights cont'd⁽¹⁾

Series	Model	Wheelbase Range (in.)	Base Curb Weight (lbs.)
F-650	Regular Cab	146	8200
		158	8231
		158	8260
		176	8386
		182	8401
		194	8468
		200	8485
		212	8534
		218	8550
		224	8603
		230	8619
		242	8708
		260	8812
	SuperCab	167	8446
		179	8480
		179	8507
		197	8654
		203	8670
		215	8717
		221	8733
		233	8782
		239	8819
		245	8871
		251	8888
		263	8956
		281	9061
	Crew Cab	182	8618
		194	8670
		194	8698
		212	8824
		218	8841
		230	8888
		236	8904
		248	8973
		254	8990
		260	9043
		266	9059
		278	9127

(1) Includes minimum required and standard equipment, water and oil.

F-650/F-750 SD CHASSIS CABS

2009 F-650/F-750 Super Duty® Chassis Cabs

Curb Weights cont'd

Base Curb Weights cont'd⁽¹⁾

Series	Model	Wheelbase Range (in.)	Base Curb Weight (lbs.)
F-750	Regular Cab	146	8567
		146	8599
		158	8605
		158	8639
		176	8787
		182	8807
		194	8883
		200	8903
		212	8962
		218	8982
		224	9042
		230	9061
		242	9164
		260	9489
		281	10,229
	SuperCab	167	8826
		179	8865
		179	8898
		197	9067
		203	9087
		215	9143
		221	9163
		233	9222
		239	9262
		245	9322
		251	9341
		263	9424
		281	10,240
	Crew Cab	182	9005
		194	9065
		194	9098
		212	9246
		218	9266
		230	9322
		236	9342
		248	9422
		254	9441
		260	9501
		266	9521

(1) Includes minimum required and standard equipment, water and oil.

2009 F-650/F-750 Super Duty® Chassis Cabs

Standard Equipment Specifications

F-650/F-750 SD CHASSIS CABS
**F-650/F-750
SD Chassis Cabs**

REGULAR CHASSIS CAB (134" — 260" WB.)

DRIVE:		4x2 F-650 Pro Loader	4x2 F-650 Straight Frame
GVWR: (lbs.)		22,000/26,000	20,500/29,000
POWERTRAIN:		50 state certified	
Engine	— Type	Cummins® 6.7L ISB I-6 (200 hp @ 2400 rpm, 520 lb.-ft. Torque @ 1600 rpm, 2600 rpm Governed Speed)	
Transmission	— Type	Allison 2500 RDS/WR	
	— Speeds	5-Speed Automatic Overdrive	
Clutch	— Type	None	
	— Diameter	—	
Front Axle	— Type	Spicer D-850F, I-Beam Type (Includes Ross TAS-40 Integral Power Steering)	
	— Capacity (Rating @ Ground)	8500 lbs.	8500/10,000 lbs.
Rear Axle	— Type	S14-130 Single Reduction with 190 Wheel Ends	Spicer 17060S Single Reduction with 190 Wheel Ends
	— Capacity (Rating @ Ground)	13,500 lbs.	17,500 lbs.
Driveshaft	— Type	SPL-100	SPL-100
BRAKES:			
System	— Type	Hydraulic, Split System, with Automatic Adjustment	
Front	— Type	15.00" x 1.44" Cast Disc	
Rear	— Type	15.00" x 1.44" Cast Disc	
Compressor			
Anti-lock System		Four Channel Wabco Anti-lock Brake System	
Parking Brake (Rr. Brakes)		12" x 3" Rear Axle Mounted Parking Brake (Bosch) DDSA Type with Lever Control	
Dust Shields		Standard	Standard
ELECTRICAL:			
Alternator	— Rating	Leece-Neville 130 Amperes, 1950 Watt, Brush Type	
Battery	— Type	Motorcraft 12-volt Maintenance-free	
	— Rating	Dual, 625 CCA (1250 Total)	
	— Box Location	Right Side Under Cab	
EXHAUST:	— Type	Single Horizontal After Treatment Device, Aluminized Steel, Frame Mounted Right Side, Back of Cab	
FUEL TANK:	— Capacity	45.0 gallon, Single, LH Rectangular Steel, Shallow (13" deep)	
STEERING:	— Type	Integral Power, Ross TAS-40	
	— Ratio	20.4:1	
SUSPENSION:			
Frame	— Type	Ladder Type Single Channel – Tapered 80,000 PSI Steel	Ladder Type Single Channel – Straight "C" 50,000 PSI Steel
	— Section Modulus (cu. in.)	10.75	12.64
Shock Absorbers, Front	— Type	1.375" Dia. Double Acting	1.375"
Springs, Front	— Type	3" x 54" Parabolic Taper-leaf	
	— Rating @ Ground (min.)	8500 lbs.	
Springs, Rear	— Type	Multi-leaf, Vari-Rate (includes 4500 lb. Auxiliary Rubber Spring)	
	— Rating @ Ground (min.)	13,500 lbs.	18,500 lbs.
WHEEL SEALS:	— Type	Stemco front and rear	
TIRES:			
Front	— Type	Hankook AH11 Radial	Hankook AH12 Radial
	— Size	245/70R19.5G (14 ply rated)	11R22.5H (16 ply rated)
Rear	— Type	Hankook DH01 Radial	Hankook DL01 Radial
	— Size	245/70R19.5G (14 ply rated)	11R22.5H (16 ply rated)
WHEELS:			
Front	— Type	8-Hole Steel Disc, Hub-piloted, Painted White	10-hole Steel Disc, Hub-piloted, Painted White
	— Size	19.5 x 6.75	22.5 x 7.5
Rear	— Type	8-Hole Steel Disc, Hub-piloted, Painted White	10-hole Steel Disc, Hub-piloted, Painted White
	— Size	19.5 x 6.75	22.5 x 7.5

F-650/F-750 SD CHASSIS CABS

2009 F-650/F-750 Super Duty® Chassis Cabs

Standard Equipment Specifications cont'd

SUPERCAB CHASSIS CAB (155" – 281" WB.)

DRIVE:		4x2 F-650 Pro Loader	4x2 F-650 Straight Frame
GVWR: (lbs.)		22,000/26,000	20,500/29,000
POWERTRAIN:		50 state certified	
Engine	— Type	Cummins® 6.7L ISB I-6 (200 hp @ 2400 rpm, 520 lb.-ft. Torque @ 1600 rpm, 2600 rpm Governed Speed)	
Transmission	— Type	Allison 2500 RDS/WR	
	— Speeds	5-Speed Automatic Overdrive	
Clutch	— Type	None	
	— Diameter	—	
Front Axle	— Type	Spicer D-850F, I-Beam Type (Includes Ross TAS-40 Integral Power Steering)	
	— Capacity (Rating @ Ground)	8500 lbs.	
Rear Axle	— Type	S135-S Single Reduction with Wheel Ends	170 Spicer 17060S Single Reduction with 190 Wheel Ends
	— Capacity (Rating @ Ground)	13,500 lbs.	17,500 lbs.
Driveshaft	— Type	SPL-100	SPL-100
BRAKES:			
System	— Type	Hydraulic, Split System, with Automatic Adjustment	
Front	— Type	15.00" x 1.44" Cast Disc	
Rear	— Type	15.00" x 1.44" Cast Disc	
Compressor		—	
Anti-lock System		Four Channel Wabco Anti-lock Brake System	
Parking Brake (Rr. Brakes)		12" x 3" Rear Axle Mounted Parking Brake (Bosch) DDSA Type with Lever Control	
Dust Shields		Standard	Standard
ELECTRICAL:			
Alternator	— Rating	Leece-Neville 130 Amperes, 1950 Watt, Brush Type	
Battery	— Type	Motorcraft 12-volt Maintenance-free	
	— Rating	Dual, 625 CCA (1250 Total)	
	— Box Location	Right Side Under Cab	
EXHAUST:	— Type	Single Horizontal After Treatment Device, Aluminized Steel, Frame Mounted Right Side, Back of Cab	
FUEL TANK:	— Capacity	45.0 gallon, Single, LH Rectangular Steel, Shallow (13" deep)	
STEERING:	— Type	Integral Power, Ross TAS-40	
	— Ratio	20.4:1	
SUSPENSION:			
Frame	— Type	Ladder Type Single Channel – Tapered 80,000 PSI Steel	Ladder Type Single Channel – Straight "C" 50,000 PSI Steel
	— Section Modulus (cu. in.)	10.75	12.64
Shock Absorbers, Front	— Type	1.375" Dia. Double Acting	
Springs, Front	— Type	3" x 54" Parabolic Taper-leaf	
	— Rating @ Ground (min.)	8500 lbs.	
Springs, Rear	— Type	Multi-leaf, Vari-Rate (includes 4500 lb. Auxiliary Rubber Spring)	
	— Rating @ Ground (min.)	13,500 lbs.	18,500 lbs.
WHEEL SEALS:	Type	Stemco front and rear	
TIRES:			
Front	— Type	Hankook AH11 Radial	Hankook AH12 Radial
	— Size	245/70R19.5G (14 ply rated)	11R22.5H (16 ply rated)
Rear	— Type	Hankook DH01 Radial	Hankook DL01 Radial
	— Size	245/70R19.5G (14 ply rated)	11R22.5H (16 ply rated)
WHEELS:			
Front	— Type	8-Hole Steel Disc, Hub-piloted, Painted White	10-hole Steel Disc, Hub-piloted, Painted White
	— Size	19.5 x 6.75	22.5 x 7.5
Rear	— Type	8-Hole Steel Disc, Hub-piloted, Painted White	10-hole Steel Disc, Hub-piloted, Painted White
	— Size	19.5 x 6.75	22.5 x 7.5

2009 F-650/F-750 Super Duty® Chassis Cabs

Standard Equipment Specifications cont'd

F-650/F-750 SD CHASSIS CABS
**F-650/F-750
SD Chassis Cabs**
CREW CAB CHASSIS CAB (170" – 278" WB.)

DRIVE:		4x2 F-650 Pro Loader	4x2 F-650 Straight Frame
GVWR: (lbs.)		22,000/26,000	20,500/29,000
POWERTRAIN:		50 state certified	
Engine	— Type	Cummins® 6.7L ISB I-6 (200 hp @ 2400 rpm, 520 lb.-ft. Torque @ 1600 rpm, 2600 rpm Governed Speed)	
Transmission	— Type	Allison 2500 RDS/WR	
	— Speeds	5-Speed Automatic Overdrive	
Clutch	— Type	None	
	— Diameter	—	
Front Axle	— Type	Spicer D-850F, I-Beam Type (Includes Ross TAS-40 Integral Power Steering)	
	— Capacity (Rating @ Ground)	8500 lbs.	
Rear Axle	— Type	S135-S Single Reduction with 170 Wheel Ends	Spicer 17060S Single Reduction with 190 Wheel Ends
	— Capacity (Rating @ Ground)	13,500 lbs.	17,500 lbs.
Driveshaft	— Type	SPL-100	SPL-100
BRAKES:			
System	— Type	Hydraulic, Split System, with Automatic Adjustment	
Front	— Type	15.00" x 1.44" Cast Disc	
Rear	— Type	15.00" x 1.44" Cast Disc	
Compressor		—	
Anti-lock System		Four Channel Wabco Anti-lock Brake System	
Parking Brake (Rr. Brakes)		12" x 3" Rear Axle Mounted Parking Brake (Bosch) DDSA Type with Lever Control	
Dust Shields		Standard	Standard
ELECTRICAL:			
Alternator	— Rating	Leece-Neville 130 Amperes, 1950 Watt, Brush Type	
Battery	— Type	Motorcraft 12-volt Maintenance-free	
	— Rating	Dual, 625 CCA (1250 Total)	
	— Box Location	Right Side Under Cab	
EXHAUST:	— Type	Single Horizontal After Treatment Device, Aluminized Steel, Frame Mounted Right Side, Back of Cab	
FUEL TANK:	— Capacity	45.0 gallon, Single, LH Rectangular Steel, Shallow (13" deep)	
STEERING:	— Type	Integral Power, Ross TAS-40	
	— Ratio	20.4:1	
SUSPENSION:			
Frame	— Type	Ladder Type Single Channel – Tapered 80,000 PSI Steel	Ladder Type Single Channel – Straight "C" 50,000 PSI Steel
	— Section Modulus (cu. in.)	10.75	12.64
Shock Absorbers, Front	— Type	1.375" Dia. Double Acting	1.375"
Springs, Front	— Type	3" x 54" Parabolic Taper-leaf	
	— Rating @ Ground (min.)	8500 lbs.	
Springs, Rear	— Type	Multi-leaf, Vari-Rate (includes 4500 lb. Auxiliary Rubber Spring)	
	— Rating @ Ground (min.)	13,500 lbs.	18,500 lbs.
WHEEL SEALS:	Type	Stemco front and rear	
TIRES:			
Front	— Type	Hankook AH11 Radial	Hankook AH12 Radial
	— Size	245/70R19.5G (14 ply rated)	11R22.5H (16 ply rated)
Rear	— Type	Hankook DH01 Radial	Hankook DL01 Radial
	— Size	245/70R19.5G (14 ply rated)	11R22.5H (16 ply rated)
WHEELS:			
Front	— Type	8-Hole Steel Disc, Hub-piloted, Painted White	10-Hole Steel Disc, Hub-piloted, Painted White
	— Size	19.5 x 6.75	22.5 x 7.5
Rear	— Type	8-Hole Steel Disc, Hub-piloted, Painted White	10-Hole Steel Disc, Hub-piloted, Painted White
	— Size	19.5 x 6.75	22.5 x 7.5

F-650/F-750 SD CHASSIS CABS

2009 F-650/F-750 Super Duty® Chassis Cabs

Standard Equipment Specifications cont'd

REGULAR CHASSIS CAB (146" – 281" WB.)

DRIVE:		4x2 F-750
GVWR: (lbs.)		25,999/37,000
POWERTRAIN:		50 state certified
Engine	— Type	Cummins® 6.7L ISB I-6 (200 hp @ 2400 rpm, 520 lb.-ft. Torque @ 1600 rpm, 2600 rpm Governed Speed)
Transmission	— Type	Allison 2500 RDS/WR
	— Speeds	5-Speed Automatic Overdrive
Clutch	— Type	None
	— Diameter	—
Front Axle	— Type	I-100SG, I-Beam Type (Includes Ross TAS-66 Integral Power Steering)
	— Capacity (Rating @ Ground)	10,000 lbs.
Rear Axle	— Type	Spicer 21060S Single Reduction with 190 Wheel Ends
	— Capacity (Rating @ Ground)	21,000 lbs.
Driveshaft	— Type	SPL-100
BRAKES:		
System	— Type	Hydraulic, Split System, with Automatic Adjustment
Front	— Type	15.00" x 1.44" Cast Disc
	— Type	15.00" x 1.44" Cast Disc
Compressor		
Anti-lock System		Four Channel Wabco
Parking Brake (Rr. Brakes)		12" x 3" Rear Axle Mounted Parking Brake (Bosch) DDSA Type with Lever Control
Moisture Ejectors		
Dust Shields		Standard
ELECTRICAL:		
Alternator	— Rating	Leece-Neville 130 Amperes, 1950 Watt, Brush Type
Battery	— Type	Motorcraft 12-volt Maintenance-free
	— Rating	Dual, 625 CCA (1250 Total)
	— Box Location	Right Side Under Cab
EXHAUST:	Type	Single Horizontal After Treatment Device, Aluminized Steel, Frame Mounted Right Side, Back of Cab
FUEL TANK:	— Capacity	45.0 gallon, Single, LH Rectangular Steel, Shallow (13" deep)
STEERING:	— Type	Integral Power, Ross TAS-66
	— Ratio	20.4:1
SUSPENSION:		
Frame	— Type	Ladder Type Single Channel – Straight "C" 80,000 PSI Steel
	— Section Modulus (cu. in.)	15.14 SM
Shock Absorbers, Front	Type	1.38" Double Acting
Springs, Front	— Type	3" x 54" Parabolic Taper-leaf
	— Rating @ Ground (min.)	10,000 lbs.
Springs, Rear	— Type	Multi-leaf, Vari-Rate (includes 4500 lb. Auxiliary Rubber Spring)
	— Rating @ Ground (min.)	23,500 lbs.
WHEEL SEALS:	Type	Stemco front and rear
TIRES:		
Front	— Type	Hankook AH12 Radial
	— Size	11R22.5H (16 ply rated)
Rear	— Type	Hankook DL01 Radial
	— Size	11R22.5H (16 ply rated)
WHEELS:		
Front	— Type	10-Hole Steel Disc, Hub-piloted, Painted White
	— Size	22.5 x 7.5
Rear	— Type	10-Hole Steel Disc, Hub-piloted, Painted White
	— Size	22.5 x 7.5

2009 F-650/F-750 Super Duty® Chassis Cabs

Standard Equipment Specifications cont'd

F-650/F-750 SD CHASSIS CABS
**F-650/F-750
SD Chassis Cabs**

SUPERCAB CHASSIS CAB (167" – 263" WB.)

DRIVE:		4x2 F-750
GVWR: (lbs.)		25,999/33,000
POWERTRAIN:		50 state certified
Engine	— Type	Cummins® 6.7L ISB I-6 (200 hp @ 2400 rpm, 520 lb.-ft. Torque @ 1600 rpm, 2600 rpm Governed Speed)
Transmission	— Type	Allison 2500 RDS/WR
	— Speeds	5-Speed Automatic Overdrive
Clutch	— Type	None
	— Diameter	—
Front Axle	— Type	I-100SG, I-Beam Type (Includes Ross TAS-66 Integral Power Steering)
	— Capacity (Rating @ Ground)	10,000 lbs.
Rear Axle	— Type	Spicer 21060S Single Reduction with 190 Wheel Ends
	— Capacity (Rating @ Ground)	21,000 lbs.
Driveshaft	— Type	SPL-100
BRAKES:		
System	— Type	Hydraulic, Split System, with Automatic Adjustment
Front	— Type	15.00" x 1.44" Cast Disc
Rear	— Type	15.00" x 1.44" Cast Disc
Compressor		
Anti-lock System		Four Channel Wabco
Parking Brake (Rr. Brakes)		12" x 3" Rear Axle Mounted Parking Brake (Bosch) DDSA Type
Dust Shields		
ELECTRICAL:		
Alternator	— Rating	Leece-Neville 130 Amperes, 1950 Watt, Brush Type
Battery	— Type	Motorcraft 12-volt Maintenance-free
	— Rating	Dual, 625 CCA (1250 Total)
	— Box Location	Right Side Under Cab
EXHAUST:	— Type	Single Horizontal After Treatment Device, Aluminized Steel, Frame Mounted Right Side, Back of Cab
FUEL TANK:	— Capacity	45.0 gallon, Single, H Rectangular Steel, Shallow (13" deep)
STEERING:	— Type	Integral Power, Ross TAS-66
	— Ratio	20.4:1
SUSPENSION:		
Frame	— Type	Ladder Type Single Channel – Straight "C" 80,000 PSI Steel
	— Section Modulus (cu. in.)	15.14 SM
Shock Absorbers, Front	— Type	1.375" Dia. Double Acting
Springs, Front	— Type	3" x 54" Parabolic Taper-leaf
	— Rating @ Ground (min.)	10,000 lbs.
Springs, Rear	— Type	Multi-leaf, Vari-Rate (includes 4500 lb. Auxiliary Rubber Spring)
	— Rating @ Ground (min.)	23,500 lbs.
WHEEL SEALS:	Type	Stemco front and rear
TIRES:		
Front	— Type	Hankook AH12 Radial
	— Size	11R22.5H (16 ply rated)
Rear	— Type	Hankook DL01 Radial
	— Size	11R22.5H (16 ply rated)
WHEELS:		
Front	— Type	10-Hole Steel Disc, Hub-piloted, Painted White
	— Size	22.5 x 7.5
Rear	— Type	10-Hole Steel Disc, Hub-piloted, Painted White
	— Size	22.5 x 7.5

F-650/F-750 SD CHASSIS CABS

2009 F-650/F-750 Super Duty® Chassis Cabs

Standard Equipment Specifications cont'd

CREW CAB CHASSIS CAB (182" – 266" WB.)

DRIVE:		4x2 F-750
GVWR: (lbs.)		25,999/33,000
POWERTRAIN:		50 state certified
Engine	— Type	Cummins® 6.7L ISB I-6 (200 hp @ 2400 rpm, 520 lb.-ft. Torque @ 1600 rpm, 2600 rpm Governed Speed)
Transmission	— Type	Allison 2500 RDS/WR
	— Speeds	5-Speed Automatic Overdrive
Clutch	— Type	None
	— Diameter	—
Front Axle	— Type	I-100SG, I-Beam Type (Includes Ross TAS-66 Integral Power Steering)
	— Capacity (Rating @ Ground)	10,000 lbs.
Rear Axle	— Type	Spicer 21060S Single Reduction with 190 Wheel Ends
	— Capacity (Rating @ Ground)	21,000 lbs.
Driveshaft	— Type	SPL-100
BRAKES:		
System	— Type	Hydraulic, Split System, with Automatic Adjustment
Front	— Type	15.00" x 1.44" Cast Disc
Rear	— Type	15.00" x 1.44" Cast Disc
Compressor		
Anti-lock System		Four Channel Wabco
Parking Brake (Rr. Brakes)		12" x 3" Rear Axle Mounted Parking Brake (Bosch) DDSA Type
Dust Shields		NA
ELECTRICAL:		
Alternator	— Rating	Leece-Neville 130 Amperes, 1950 Watt, Brush Type
Battery	— Type	Motorcraft 12-volt Maintenance-free
	— Rating	Dual, 625 CCA (1250 Total)
	— Box Location	Right Side Under Cab
EXHAUST:	— Type	Single Horizontal After Treatment Device, Aluminized Steel, Frame Mounted Right Side, Back of Cab
FUEL TANK:	— Capacity	45.0 gallon, Single, LH Rectangular Steel, Shallow (13" deep)
STEERING:	— Type	Integral Power, Ross TAS-66
	— Ratio	20.4:1
SUSPENSION:		
Frame	— Type	Ladder Type Single Channel – Straight "C" 80,000 PSI Steel
	— Section Modulus (cu. in.)	15.14 SM
Shock Absorbers, Front	— Type	1.375" Double Acting
Springs, Front	— Type	3" x 54" Parabolic Taper-leaf
	— Rating @ Ground (min.)	10,000 lbs.
Springs, Rear	— Type	Multi-leaf, Vari-Rate (includes 4500 lb. Auxiliary Rubber Spring)
	— Rating @ Ground (min.)	23,500 lbs.
WHEEL SEALS:	— Type	Stemco front and rear
TIRES:		
Front	— Type	Hankook AH12 Radial
	— Size	11R22.5H (16 ply rated)
Rear	— Type	Hankook DL01 Radial
	— Size	11R22.5H (16 ply rated)
WHEELS:		
Front	— Type	10-Hole Steel Disc, Hub-piloted, Painted White
	— Size	22.5 x 7.5
Rear	— Type	10-Hole Steel Disc, Hub-piloted, Painted White
	— Size	22.5 x 7.5

2009 F-650/F-750 Super Duty® Chassis Cabs

Technical Specifications

F-650/F-750 SD CHASSIS CABS

F-650/F-750
SD Chassis Cabs

Axles

FRONT AXLE SPECIFICATIONS

Regular/Super/Crew Cab Chassis Models

Manufacturer		Spicer	International	International	International	International
Max. Rating @ Ground (lbs.)		8,500	10,000	12,000	13,200	14,000
Axle	— Type	I-Beam w/King Pin Spindles	I-Beam w/King Pin Spindles	I-Beam w/King Pin Spindles	I-Beam w/King Pin Spindles	I-Beam w/King Pin Spindles
	— Material	Forged Steel	Forged Steel	Forged Steel	Forged Steel	Forged Steel
	— Spring Centers (in.)	35.0	35.0	35.0	35.0	35.0
King Pins	— Bushing Material	Bronze	Bronze	Bronze	Bronze	Bronze
Spindle	— Material	Steel	Steel	Steel	Steel	Steel
Wheel Bearings	— Type	Tapered Roller	Tapered Roller	Tapered Roller	Tapered Roller	Tapered Roller

REAR AXLE SPECIFICATIONS

Regular/Super/Crew Cab Chassis Series/Model

	47A	47B	47C	47D
Make	International	International	Dana/Spicer	Dana/Spicer
Max. Rat. @ Ground (lbs.)	13,500	15,500	17,500	17,500
Type	Single	Single	Single	2-Speed
Housing	— Type	Fabricated	Fabricated	Fabricated
Lubricant Capacity (pt.)	24.5	24.5	28.0	35.0
Wheel Bearings	— Type	Tapered	Tapered	Tapered
Gears	— Type	Hypoid	Hypoid	Spiral Bevel
Ring Gear	— Pitch Diameter (in.)	14.17	14.17	15.55
Axle Shaft	— Minimum Diameter (in.)	1.84	1.84	2.00
	— No. of Splines (Hub End)	36	36	39

Regular/Super/Crew Cab Chassis Series/Model

	47E	47F	47G	47H
Make	Dana/Spicer	Dana/Spicer	Dana/Spicer	Dana/Spicer
Max. Rat. @ Ground (lbs.)	19,000	19,000	21,000	21,000
Type	2-Speed	Single	Single	Single
Housing	— Type	Fabricated	Fabricated	Fabricated
Lubricant Capacity (pt.)	35.0	28.0	28.0	28.0
Wheel Bearings	— Type	Tapered	Tapered	Tapered
Gears	— Type	Spiral Bevel	Hypoid	Hypoid
Ring Gear	— Pitch Diameter (in.)	17.00	14.79–15.55	14.79–15.55
Differential	— Type			Driver-controlled lock
Axle Shaft	— Minimum Diameter (in.)	2.00	2.00	2.10
	— No. of Splines (Hub End)	39	39	41

F-650/F-750 SD CHASSIS CABS

2009 F-650/F-750 Super Duty® Chassis Cabs

Technical Specifications cont'd

REAR AXLE SPECIFICATIONS cont'd

Regular/Super/Crew Cab Chassis Series/Model	47M	47N	47P	47R
Make	Spicer	Dana/Spicer	Spicer	Spicer
Max. Rat. @ Ground (lbs.)	23,000	23,000	23,000	21,000
Type	2-Speed	Single	Single	2-Speed
Housing — Type	Fabricated	Fabricated	Fabricated	Fabricated
Lubricant Capacity (pt.)	37.0	39.0	39.0	35.0
Wheel Bearings — Type	Tapered	Tapered	Tapered	Tapered
Gears — Type	Hypoid	Hypoid	Hypoid	Hypoid
Ring Gear — Pitch Diameter (in.)	18.00	16.91–17.25	16.91–17.25	17.00
Differential — Type			Driver-controlled Diff. Lock	
Axle Shaft — Minimum Diameter (in.)	2.31	2.06	2.06	1.84
— No. of Splines (Hub End)	36	44	36	39

Brakes**HYDRAULIC BRAKE EQUIPMENT SPECIFICATIONS — FRONT/REAR DISC**

Type	Axle (lbs.)	Rotor Dia. (in.)		Lining Thickness (in.)	Caliper Piston No. Dia.	Lining Area Per Axle/ Wheel (sq. in.)	Total Swept Area Per Axle (sq. in.)
		OD	Thickness				
Front	8,500	15.00 x 1.44	.49	.49	4/70mm (2.8")	41.7	41.7
	10,000/12,000	15.00 x 1.44	.74	.74	4/70mm (2.8")	41.7	41.7
Rear	13,500/15,500 ⁽¹⁾	15.00 x 1.44	.49	.49	4/70mm (2.8")	41.7	83.4
	17,500/19,000/21,000	15.00 x 1.44	.74	.74	4/70mm (2.8")	41.7	83.4

(1) 4/64mm on rear with 19.5" tire option.

AIR BRAKE EQUIPMENT SPECIFICATIONS — FRONT DRUM

Type	Axle (lbs.)	Drum Size Dia. x Width (in.)	Lining Thickness (in.)	Area Per Axle (sq. in.)	Chamber Diaphragm Area (sq. in.)	Dust Shield
Meritor/Q-Plus S-Cam	8,500	15.00 x 4.00	.73	230	20	Removable
	10,000/12,000/13,200	15.00 x 4.00	.73	230	20	Removable

AIR BRAKE EQUIPMENT SPECIFICATIONS — REAR DRUM

Type	Axle (lbs.)	Drum Size Dia. x Width (in.)	Lining Thickness (in.)	Area Per Axle (sq. in.)	Chamber Diaphragm Area (sq. in.)	Dust Shield
Meritor/Q-Plus S-Cam	17,500	15.00 x 8.63	.85	440	30	Removable
	19,000/21,000/23,200	16.50 x 7.00	.85	440	30	Removable

2009 F-650/F-750 Super Duty® Chassis Cabs

Technical Specifications cont'd

F-650/F-750 SD CHASSIS CABS

F-650/F-750
SD Chassis Cabs

HYDRAULIC BRAKE BOOSTER SPECIFICATIONS

Type	Model/Series	Mounting	Booster Stroke (in.)
Bendix/Hydromax II	All	To Cowl with Master Cylinder	2.468

AIR COMPRESSOR SPECIFICATIONS

Make/Model	CFM	Compressor Size (Bore x Stroke) (in.)	Cooling	Lubrication	Drive
Cummins	18.7	2.780 x 1.580	Water	Engine Oil	Gear
Caterpillar	16.1	2.953 x 2.205	Water	Engine Oil	Gear

AIR BRAKE AIR DRYER SPECIFICATIONS

Make/Model	Dimensions Height x Diam. (in.)	Weight	Remarks
Bendix/AD-IP	12.0 x 8.0	24 lbs.	Heated, Internal Purge

AIR BRAKE SLACK ADJUSTER SPECIFICATIONS

Axle	Make	Description
Front and Rear	Meritor	5.5" length

Bumpers

BUMPER SPECIFICATIONS

Trim Level	Size	Material	Finish
XL	Full-width	0.1875" thick steel	Painted, Dark Shadow Grey
XLT	Full-width	0.1875" thick steel	Plated, Chrome

Cooling Systems

COOLING SYSTEM SPECIFICATIONS

Engine	Trans.	Radiator Area (sq. in.)	Core Thickness (in.)	Total Number of Tubes	Fins Per Inch	System Capacity Qts. (liters)	Fan Blades	Blade Dia. (in.)	Clutch Type
Cummins or Caterpillar	All	717	2.20	128	16	30.0 (28.4)	9	26.0	Viscous

AIR CONDITIONING SPECIFICATIONS

Make	Refrigerant	Compressor	Condenser Location	Evaporator Location
Ford	R-134A	Sanden	Radiator Mounted	RH Under Instrument Panel

HEATER AND DEFROSTER SPECIFICATIONS

Make	Blower Motor	Heater Core Location	Air Intake	Water Shutoff to Heat
Ford	3-Speed, Wired to Ignition	In-Cab, RH Side	Fresh Air; Top of Cowl	None

F-650/F-750 SD CHASSIS CABS

2009 F-650/F-750 Super Duty® Chassis Cabs

Technical Specifications cont'd

Fuel System FUEL SYSTEM DATA

Engine	Injection Method	Fuel Pump/Location	Fuel Filter/Location	Air Cleaner
Cummins 6.7L	Direct, High-Pressure Pump	Mechanical/Engine Mounted	Spin-on/Cylinder Head	Dry Type
Caterpillar 7.2L	Direct, High-Pressure Pump	Mechanical/Engine Mounted	Spin-on/Cylinder Head	Dry Type

Steering STEERING SPECIFICATIONS

Cab Style	Wheelbase	Type	Gear Ratio	Pro Loader with Kick-up Frame Turning Radius w/Bumper		F-650 Dock Height & Pro Loader w/straight Frame Turning Radius w/Bumper		F-750 Turning Radius w/Bumper	
				To Curb	Clearance	To Curb	Clearance	To Curb	Clearance
Regular Cab	134	Integral	20.4:1	20 ft. 1 in.	21 ft. 5 in.				
	146					21 ft. 6 in.	22 ft. 10 in.	20 ft. 11 in.	22 ft. 4 in.
	158			23 ft. 0 in.	24 ft. 4 in.	23 ft. 0 in.	24 ft. 4 in.	22 ft. 5 in.	23 ft. 9 in.
	176					25 ft. 3 in.	26 ft. 8 in.	24 ft. 7 in.	26 ft. 0 in.
	182			26 ft. 0 in.	27 ft. 5 in.	26 ft. 0 in.	27 ft. 5 in.	25 ft. 4 in.	26 ft. 9 in.
	194			27 ft. 6 in.	28 ft. 11 in.	27 ft. 6 in.	28 ft. 11 in.	26 ft. 10 in.	28 ft. 2 in.
	200					28 ft. 3 in.	29 ft. 8 in.	27 ft. 6 in.	28 ft. 11 in.
	212					28 ft. 6 in.	29 ft. 10 in.	29 ft. 0 in.	30 ft. 5 in.
	218			29 ft. 2 in.	30 ft. 7 in.	29 ft. 2 in.	30 ft. 7 in.	29 ft. 9 in.	31 ft. 1 in.
	224					29 ft. 11 in.	31 ft. 4 in.	29 ft. 6 in.	30 ft. 11 in.
	230					30 ft. 8 in.	32 ft. 0 in.	30 ft. 3 in.	31 ft. 8 in.
	242			32 ft. 1 in.	33 ft. 5 in.	32 ft. 1 in.	33 ft. 5 in.	31 ft. 8 in.	33 ft. 1 in.
SuperCab	260					34 ft. 3 in.	35 ft. 7 in.	33 ft. 10 in.	35 ft. 2 in.
	155			22 ft. 8 in.	24 ft. 1 in.				
	167					24 ft. 2 in.	25 ft. 6 in.	23 ft. 6 in.	24 ft. 11 in.
	179			25 ft. 8 in.	27 ft. 0 in.	25 ft. 8 in.	27 ft. 0 in.	25 ft. 0 in.	26 ft. 4 in.
	197					27 ft. 11 in.	29 ft. 3 in.	27 ft. 2 in.	28 ft. 7 in.
	203			28 ft. 8 in.	30 ft. 0 in.	28 ft. 8 in.	30 ft. 0 in.	27 ft. 11 in.	29 ft. 3 in.
	215					28 ft. 10 in.	30 ft. 3 in.	29 ft. 4 in.	30 ft. 9 in.
	221					29 ft. 7 in.	30 ft. 11 in.	29 ft. 2 in.	30 ft. 7 in.
	233					31 ft. 0 in.	32 ft. 5 in.	30 ft. 7 in.	32 ft. 0 in.
	239			31 ft. 9 in.	33 ft. 1 in.	31 ft. 9 in.	33 ft. 1 in.	31 ft. 4 in.	32 ft. 8 in.
	245					32 ft. 5 in.	33 ft. 10 in.	32 ft. 0 in.	33 ft. 5 in.
	251					33 ft. 2 in.	34 ft. 6 in.	32 ft. 9 in.	34 ft. 1 in.
Crew Cab	263					34 ft. 7 in.	36 ft. 0 in.	34 ft. 2 in.	35 ft. 7 in.
	281					36 ft. 9 in.	38 ft. 2 in.	36 ft. 3 in.	37 ft. 8 in.
	170			24 ft. 7 in.	26 ft. 0 in.				
	182					26 ft. 0 in.	27 ft. 5 in.	25 ft. 4 in.	26 ft. 9 in.
	194			27 ft. 6 in.	28 ft. 11 in.	27 ft. 6 in.	28 ft. 11 in.	26 ft. 10 in.	28 ft. 2 in.
	212					28 ft. 6 in.	29 ft. 10 in.	29 ft. 0 in.	30 ft. 5 in.
	218			29 ft. 2 in.	30 ft. 7 in.	29 ft. 2 in.	30 ft. 7 in.	29 ft. 9 in.	31 ft. 1 in.
	230					30 ft. 8 in.	32 ft. 0 in.	30 ft. 3 in.	31 ft. 8 in.
	236					31 ft. 4 in.	32 ft. 9 in.	31 ft. 0 in.	32 ft. 4 in.
	248					32 ft. 9 in.	34 ft. 2 in.	32 ft. 5 in.	33 ft. 9 in.
	254			33 ft. 6 in.	34 ft. 11 in.	33 ft. 6 in.	34 ft. 11 in.	33 ft. 1 in.	34 ft. 6 in.
	260					34 ft. 3 in.	35 ft. 7 in.	33 ft. 10 in.	35 ft. 2 in.
	266					34 ft. 11 in.	36 ft. 4 in.	34 ft. 6 in.	34 ft. 11 in.
	278					36 ft. 5 in.	37 ft. 9 in.		

2009 F-650/F-750 Super Duty® Chassis Cabs

Technical Specifications cont'd

F-650/F-750 SD CHASSIS CABS
**F-650/F-750
SD Chassis Cabs**

Steering cont'd

POWER STEERING PUMP SPECIFICATIONS

Engine	Manufacturer/Model	Reservoir Capacity (max.)	Pump Drive
All	LUK VT-73	1 U.S. Quart	Gear, Direct

Suspensions

FRAME SPECIFICATIONS

Frame Order Code	Type	Dimensions D x W x Thickness (inches)	Yield Strength (psi)	Material (Notes)	Section Modulus (cu. in.)	Resisting Bending Moment (in.-lb.)
537	Straight Channel Side Rail with Kick-Up at Rear Suspension Rearward ⁽¹⁾	9.125 x 3.062 x 0.312	80,000	A	10.74	859,200
533	Straight Channel Side Rail	9.125 x 3.062 x 0.312	80,000	A	10.74	859,200
534	Straight Channel Side Rail	10.125 x 3.062 x 0.312	50,000	A	12.64	632,000
535/53A	Straight Channel Side Rail	10.250 x 3.062 x 0.375	80,000	A	15.14	1,211,200
536/53F	Straight Channel Side Rail	10.125 x 3.580 x 0.312	120,000	B	14.18	1,701,600
538/53J	Straight Channel Side Rail	10.250 x 3.610 x 0.375	120,000	B	16.98	2,037,600
539/53L	Straight Channel Side Rail	10.375 x 3.705 x 0.438	120,000	B	20.11	2,413,200
410/412	Straight Channel Side Rail — Full Channel Outer "C" Channel Reinforcement	10.813 x 3.892 x 0.312	120,000	B	29.84 ⁽²⁾	3,580,800

(1) Kick-up rail section is 6.50" in depth.

(2) Section Modulus value includes base frame rail, code 536.

Notes:

A = High-Strength, Low-Alloy Steel

B = Heat Treated Alloy Steel

F-650/F-750 SD CHASSIS CABS

2009 F-650/F-750 Super Duty® Chassis Cabs

Technical Specifications cont'd

SHOCK ABSORBER SPECIFICATIONS — FRONT ONLY

Model	Wheelbase (in.)	Usage	Front	Piston Dia. (in.)	Type
			No. Used		
All	All	Std.	2	1.375	Double-Acting

SHOCK ABSORBER SPECIFICATIONS — REAR ONLY (with air suspension)

Model	Wheelbase (in.)	Usage	Rear	Piston Dia. (in.)	Type
			No. Used		
All	All	Std.	2	1.75	Double-Acting

SPRING SPECIFICATIONS — FRONT LEAF

Series/Model	Combined Rating @ Ground (lbs.)	Number of Leaves	Total Thickness @ Pad (in.)	Active Length (in.) x Width (in.)	Deflection Rate (installed) (lb./in.)
All	8,500	2	2.44	54.0 x 3.0	1100
	10,000	2	2.65	54.0 x 4.0	1375
	12,000	2	2.65	54.0 x 4.0	1560
	13,200	2	2.70	54.0 x 4.0	2175
	14,000	2	3.20	54.0 x 4.0	2060

SPRING SPECIFICATIONS — REAR LEAF

Model	Combined Rating @ Ground (lbs.)	No. of Leaves	Total Pad Thickness (in.)	Deflection Rate (installed) (lb./in.)
All	15,500 (includes 4500 lb. Auxiliary Rubber Spring)	10	4.8	2900
	17,500 (includes 4500 lb. Auxiliary Rubber Spring)	10	6.3	3400
	18,500 (includes 4500 lb. Auxiliary Rubber Spring)	10	6.3	3600
	20,000 (includes 4500 lb. Auxiliary Rubber Spring)	11	6.3	3800
	23,500 (includes 4500 lb. Auxiliary Rubber Spring)	12	6.6	4400
	31,000 (includes 4500 lb. Auxiliary Rubber Spring)	13	6.9	5800

2009 F-650/F-750 Super Duty® Chassis Cabs

Technical Specifications cont'd

F-650/F-750 SD CHASSIS CABS

F-650/F-750
SD Chassis CabsTires and Wheels⁽¹⁾

TIRE SPECIFICATIONS

Size (Ply Rating)	Wheel Position	Brand/Model	Order Code	Rim Width (in.)	Maximum Inflation Pressure (psi) (front/rear)	Maximum Load Capacity by Axle (lbs.) (front/rear)	Revolutions Per Mile @ 45 mph
9R22.5F (12PR)	Fr.	Michelin XZE	TBF	7.5	110/90	9000/15800	541
	Rr.	Michelin XZE	RBF				541
10R22.5F (12PR)	Fr.	Goodyear G149	TBK	7.5	110/90	10300/18960	517
	Rr.	Goodyear G149	RBK				517
	Rr.	Goodyear G124	RBC				514
	Fr.	Michelin XZE	TBG				517
	Rr.	Michelin XZE	RBG				517
	Rr.	Goodyear G124	RBA				514
10R22.5G (14PR)	Fr.	Goodyear G149	TBL	7.5	110/90	11360/20320	517
	Rr.	Goodyear G149	RBL				517
	Rr.	Goodyear G124	RBA				514
	Rr.	Michelin XDE M/S	RBH				515
	Fr.	Michelin XZE	TBJ				517
	Rr.	Michelin XZE	RBJ				517
11R22.5G (14PR)	Fr.	Goodyear G149	TCP	7.50/8.25	110/90	12350/23000	501
	Rr.	Goodyear G149	RCP				501
	Rr.	Goodyear G164 RTD	RCC				499
	Rr.	Goodyear G182	RCE				496
	Rr.	Goodyear G372 LHD	RCF				494
	Fr.	Goodyear G395 LHS	TCH				504
	Rr.	Goodyear G395 LHS	RCH				504
	Fr.	Michelin XZE	TCY				501
	Rr.	Michelin XZE	RCY				501
	Rr.	Michelin XDE M/S	RCS				498
	Rr.	Michelin XDN 2	RCD				496
	Fr.	Hankook AH12	TDB				503
11R22.5H (16PR)	Rr.	Hankook AH12	RDB				503
	Rr.	Hankook DL01	RDC				484
	Rr.	Hankook Z35A	RDF				503
	Fr.	Goodyear G149 RSA	TDM				501
	Rr.	Goodyear G149 RSA	RDM				501
	Rr.	Michelin XDE M/S	RCN				496
	Fr.	Michelin XZE	TCZ				501
	Rr.	Michelin XZE	RCZ				501
	Fr.	Goodyear G647 RSS	TEF		95/95	7280/13660	640
	Rr.	Goodyear G647 RSS	REF				640
225/70R19.5G (14PR)	Fr.	Michelin XZE	TFB	6.75/7.50	110/110	7940/15000	
	Rr.	Michelin XZE	RFB				
	Rr.	Goodyear G622 RSD	REG				
235/80R22.5G (14PR)	Fr.	Michelin XZE	TFA	7.5	90/90	9350/17640	555
	Rr.	Michelin XZE	RFA				555
245/70R19.5F (12PR)	Fr.	Goodyear G647 RSS M+S	TEK	6.75/7.50	90/90	8160/15440	626
	Rr.	Goodyear G647 RSS M+S	REK				626
	Rr.	Goodyear G124	REB				626
	Fr.	Michelin XZE	TGH				619
	Rr.	Michelin XZE	RGH				619

F-650/F-750 SD CHASSIS CABS

2009 F-650/F-750 Super Duty® Chassis Cabs

Technical Specifications cont'd

Tires and Wheels⁽¹⁾
TIRE SPECIFICATIONS cont'd

Size (Ply Rating)	Wheel Position	Brand/Model	Order Code	Rim Width (in.)	Maximum Inflation Pressure (psi) (front/rear)	Maximum Load Capacity by Axle (lbs.) (front/rear)	Revolutions Per Mile @ 45 mph
245/70R19.5G (14PR)	Frt.	Hankook AH11 Radial	TER	6.75/7.50	110/90	9090/17500	645
	Rr.	Hankook AH11 Radial	RER				645
	Rr.	Hankook DH01 Radial	RET				636
	Frt.	Goodyear G647 RSS M+S	TEM				626
	Rr.	Goodyear G647 RSS M+S	REM				626
	Rr.	Goodyear G124	REP				626
245/70R19.5H (16PR)	Frt.	Michelin XZE	TGK	6.75/7.50	110/90	9880/18760	619
	Rr.	Michelin XZE	RGK				619
255/70R22.5H (16PR)	Frt.	Goodyear G169 RSA	THB	7.5/8.25	110/90	11020/20280	566
	Rr.	Goodyear G169 RSA	RHB				566
	Frt.	Michelin XZE	TJC				565
	Rr.	Michelin XZE	RJC				565
255/80R22.5G (14PR)	Frt.	Michelin XZE M/S	TJD	7.5/8.25	90/90	10410/19240	538
	Rr.	Michelin XZE M/S	RJD				538
265/70R19.5G (14PR)	Frt.	Hankook AH11	TES	6.75/7.50	110/90	10710/19440	606
	Rr.	Hankook AH11	RES				606
	Rr.	Hankook DH11	REW				606
275/70R22.5H (16PR)	Frt.	Goodyear G169 RSA	THN	7.5/8.25	90/90	10410/19240	551
	Rr.	Goodyear G169 RSA	RHN				551
275/70R22.5J (18PR)	Frt.	Michelin XZE2+	THP				545
	Rr.	Michelin XZE2+	RHP				545
275/80R22.5G (14PR)	Rr.	Michelin XD4	RKA	7.5/8.25	110/90	12350/22700	509
	Frt.	Michelin XZE	TKG				517
	Rr.	Michelin XZE	RKG				517
295/75R22.5G (14PR)	Frt.	Hankook AH12	TMK	8.25	110/90	12350/22700	519
	Rr.	Hankook AH12	RMK				519
	Rr.	Hankook Z35A	RML				507
	Frt.	Goodyear G169 RSA	TKL				513
	Rr.	Goodyear G169 RSA	RKL				513
	Rr.	Goodyear G164 RTD	RKM				515
	Rr.	Goodyear G338 1AD	RMF				509
	Rr.	Goodyear G372 LHD	RMJ				508
295/80R22.5H (16PR)	Frt.	Michelin XZE2+	TKJ	8.25	110/90	14600/19920	500
	Rr.	Michelin XZE2+	RKJ				

(1) Some tires may be discontinued or require substitution. Refer to Commercial Truck Tools (CTT) for current availability.

2009 F-650/F-750 Super Duty® Chassis Cabs

Technical Specifications cont'd

F-650/F-750 SD CHASSIS CABS**F-650/F-750
SD Chassis Cabs****WHEEL SPECIFICATIONS**

Wheel Type	Position	Wheel Size	No. of Studs	Bolt Circle mm (in.)
Steel, Painted White	Front	19.5" x 6.75"	8	275 (10.83)
Steel, Painted White	Rear	19.5" x 6.75"	8	275 (10.83)
Aluminum, Polished	Front	19.5" x 7.50"	8	275 (10.83)
Aluminum, Polished	Rear	19.5" x 7.50"	8	275 (10.83)
Steel, Painted White	Front	19.5" x 7.50"	10	285.5 (11.25)
Steel, Painted White	Rear	19.5" x 7.50"	10	285.5 (11.25)
Aluminum, Polished	Front	19.5" x 7.50"	10	285.5 (11.25)
Aluminum, Polished	Rear	19.5" x 7.50"	10	285.5 (11.25)
Steel, Painted White	Front	22.5" x 7.5"	10	285.5 (11.25)
Steel, Painted White	Rear	22.5" x 7.5"	10	285.5 (11.25)
Steel, Painted White	Front	22.5" x 8.25"	10	285.5 (11.25)
Steel, Painted White	Rear	22.5" x 8.25"	10	285.5 (11.25)
Aluminum, Polished	Front	22.5" x 8.25"	10	285.5 (11.25)
Aluminum, Polished	Rear	22.5" x 8.25"	10	285.5 (11.25)

F-650/F-750 SD CHASSIS CABS

2009 F-650/F-750 Super Duty® Chassis Cabs

Technical Specifications cont'd

Transmission
MANUAL TRANSMISSION SPECIFICATIONS

Make/Type	Eaton FS-5205A 5-Speed Direct	Eaton FS-5406A 6-Speed Direct	Eaton FS-6406A 6-Speed Direct
Torque Capacity (lb.-ft.)	520	560	660
Ratios (to 1):			
1st	7.52	9.01	9.01
2nd	4.35	5.27	5.27
3rd	2.54	3.22	3.22
4th	1.52	2.04	2.04
5th	1.00	1.36	1.36
6th		1.00	1.00
Reverse	6.27	8.63	8.63
Lubricant Capacity (pt.)	12.0	19.5	19.5
Synchronizers	2nd, 3rd, 4th, 5th	All Forward Gears	All Forward Gears
Gears: Material	Carburized Steel	Carburized Steel	Carburized Steel
Type	— Helical	Low, 1st, 2nd, 3rd, 4th, 5th & Reverse	All helical
Bearings:			
Mainshaft	— Front	Tapered Roller	Roller
	— Rear	Tapered Roller	Roller
Countershaft	— Front	Tapered Roller	Roller
	— Rear	Tapered Roller	Roller
Mainshaft Gear	Needle Roller	Needle Roller	Needle Roller
Reverse Idler Gear	Needle Roller	Needle Roller	Needle Roller
Power Take-Off Data:			
Opening	SAE 6-Bolt, LH/RH Sides	SAE 6-Bolt, LH/RH Sides	SAE 6-Bolt, LH/RH Sides
PTO Speed % of Engine	R-46, L-44	52	52
Pitch line velocity @ 1000 engine rpm (ft./min.)	LH-661/RH-374	882	
rpm @ 1000 engine rpm	LH-435/RH-460	520	520
Diametral pitch	LH-6.1/RH-7.0	6.35	6.35

Make/Type	Eaton FO-5406B 6-Speed Direct	Eaton FO-6406B 6-Speed Direct	Eaton FSO-6406A 6-Speed Direct
Torque Capacity (lb.-ft.)	620	660	660
Ratios (to 1):			
1st	6.55		7.05
2nd	4.13		4.13
3rd	2.52		2.52
4th	1.59		1.59
5th	1.00		1.00
6th	.78		.78
Reverse	6.27		6.75
Lubricant Capacity (pt.)	20.75		19.5
Synchronizers	All Forward Gears		
Gears: Material	Carburized Steel		
Type	All Helical		
Bearings:			
Mainshaft	— Front	Tapered Roller	Roller
	— Rear	Ball Bearing	Roller
Countershaft	— Front	Tapered Roller	Roller
	— Rear	Tapered Roller	Roller
Mainshaft Gear	Needle Roller		
Reverse Idler Gear	Needle Roller		
Power Take-Off Data:			
Opening	SAE 6-Bolt, RH	SAE 6-Bolt, RH	SAE Bolt, LH/RH Sides
PTO Speed % of Engine	67		67
Pitch line velocity @ 1000 engine rpm (ft./min.)			—
rpm @ 1000 engine rpm	667		677
Diametral Pitch	7.0		7.00

2009 F-650/F-750 Super Duty® Chassis Cabs

Technical Specifications cont'd

F-650/F-750 SD CHASSIS CABS
**F-650/F-750
SD Chassis Cabs**

Transmission

MANUAL TRANSMISSION SPECIFICATIONS cont'd

Make/Type	Eaton FSO-8406A 6-Speed Direct	TTC Spicer ES56-7B 7-Speed Direct	TTC Spicer ES066-7B 7-Speed Overdrive
Torque Capacity (lb.-ft.)	860	560	660
Ratios (to 1):			
Low	—	10.09	7.48
1st	7.05	7.52	4.43
2nd	4.13	3.72	2.76
3rd	2.52	2.56	1.90
4th	1.59	1.81	1.34
5th	1.00	1.35	1.00
6th	.78	1.00	.74
Reverse	6.75	8.99	6.67
Lubricant Capacity (pt.)	19.5	22.0	22.0
Synchronizers			
Gears: Material			
Type			
Bearings:			
Mainshaft	— Front Tapered Roller		
	— Rear Tapered Roller		
Countershaft	— Front Tapered Roller		
	— Rear Tapered Roller		
Mainshaft Gear	Tapered Roller		
Reverse Idler Gear	Tapered Roller		
Power Take-Off Data:			
Opening	RH/LH 6-Bolt		
PTO Speed % of Engine		49	67
Pitch line velocity @ 1000 engine rpm (ft./min.)	LH-661/RH-374	882	
rpm @ 1000 engine rpm		490	670
Diametral Pitch	7.0		

F-650/F-750 SD CHASSIS CABS

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Technical Specifications cont'd

AUTOMATIC TRANSMISSION SPECIFICATIONS

Make/Type	Allison 2200 5-Speed (w/park pawl)	Allison 2500 5-Speed
Torque Capacity (lb.-ft.) Net	550	
Ratios (to 1):		
1st	3.10	3.51
2nd	1.81	1.90
3rd	1.41	1.44
4th	1.00	1.00
5th	0.71	0.74
Reverse	4.49	5.09
Gears Type	Helical	
Fluid Capacity (pts.)	38	
Oil system	Sump	
Filter	Spin-on	
Power Take-Off Data:	Converter driven	
Opening	SAE 6-bolt RH	
Gear Ratio	N/A	
Rating	250 lb.-ft.	
Make/Type	Allison 3000 5-Speed	Allison 3000 6-Speed
Torque Capacity (lb.-ft.) Net	1100	
Ratios (to 1):		
1st	3.49	
2nd	1.86	
3rd	1.41	
4th	1.00	
5th	0.75	
6th	—	0.65
Reverse	5.03	
Gears Type	Helical	
Fluid Capacity (pts.)	58	
Oil system	Sump	
Filter	Integral	
Power Take-Off Data:	Engine driven	
Opening	RH/LH 10-Bolt	
Gear Ratio	2.71	
Rating	485 lb.-ft.	

2009 F-650/F-750 Super Duty® Chassis Cabs

Technical Specifications cont'd

F-650/F-750 SD CHASSIS CABS
**F-650/F-750
SD Chassis Cabs**

AUTOMATIC TRANSMISSION SPECIFICATIONS cont'd

Make/Type	Allison 3200 6-Speed	Allison 3500 5-Speed	Allison 3500 6-Speed
Torque Capacity (lb.-ft.) Net	1200	800	
Ratios (to 1):			
1st	3.49	4.59	
2nd	1.86	2.25	
3rd	1.41	1.54	
4th	1.00		
5th	0.75		
6th	0.65	—	0.65
Reverse	5.03	5.00	
Gears Type	Helical		
Fluid Capacity (pts.)	58		
Oil system	Sump		
Filter	Integral		
Power Take-Off Data:	Engine driven		
Opening	RH/LH 10-Bolt		
Gear Ratio	2.71		
Rating	485 lb.-ft.		

CLUTCH SPECIFICATIONS

Type	Eaton Fuller 1401 1-plate	Eaton Fuller 1402 2-plate
Linkage Adj. Type	"Solo" Hydraulic Pull-Type, Self-Adj.	
Disc — Type	Segmented With Coaxial Spring Damper	
Facing Material	Ceramic	
Lining Material	N/A	
Outside Diameter (approx. in.)	13.75	
Lining Thickness	0.181	
Facing Area	24.0 sq. in.	66 sq. in.
Flywheel type	Flat	
Release Bearing — Race	Lube Fitting Provided	
Release Bearing — Sleeve	Lube for Life	
Total Pressure Plate Load (lb.) — Make	3000	2000
Max. Clutch Torque (lb.-ft.)	620	860

F-650/F-750 SD CHASSIS CABS

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Technical Specifications cont'd

UNIVERSAL JOINT DRIVESHAFT SPECIFICATIONS

Transmission	U-Joint/ Driveshaft	Caterpillar 7.2L	Cummins 5.9L ISB
Allison 2200	SPL-100	190–230 hp	200–230 hp
Allison 2500	SPL-100	190–230 hp	200–230 hp
Allison 3000	1710	210–300 hp	245–260 hp
Allison 3200	1710	300 hp	—
Allison 3500	1710 ⁽¹⁾	210–300 hp	245–260 hp
Fuller FO-5406B	SPL-100	210–300 hp	200–260 hp
Fuller FO-6406B	SPL-100	210–300 hp	200–260 hp
Fuller FS-5205A	SPL-100	190–210 hp	185–215 hp
Fuller FS-5406A	SPL-100	190–210 hp	185–230 hp
Fuller FS-6406A	1710 ⁽¹⁾	210–250 hp	245–260 hp
Spicer ES56-7B	1710 ⁽¹⁾	207–210 hp	185–230 hp
Spicer ES066-7B	SPL-100 ⁽¹⁾	210–250 hp	245–260 hp

(1) SPL-140 available option, required with option code 183 or with hydraulic brakes without air supply. See Commercial Truck Tools (CTT) for application specifics.

Windshield Wipers

ARM AND BLADE SPECIFICATIONS

Make	Arm Length	Blade Length
Trico	21.5" LH	19.68"