2010 F-Series Super Duty Technical Specifications

F250/350/450 Powertrain/Chassis

POWERTRAIN	**5.4L 3V Triton V-8**	**6.8L Triton 3V V-10**	**6.4L Power Stroke Diesel V-8**
Engine Type	**V-8, iron block, aluminum heads**	**V-10, iron block, aluminum heads**	**V-8, iron block and heads**
Bore/Stroke	3.55 x 4.16 in	3.55 x 4.16 in	3.86 x 4.13 in
Displacement	330 cu in, 5400 cc	415 cu in, 6802 cc	390.5 cu in, 6400 cc
Compression Ratio	9.8:1	9.2:1	17.2:1
Fuel Injection	Sequential multi-port electronic	Sequential multi-port electronic	High-pressure common rail
Valvetrain	SOHC, 3 valves per cylinder, variable cam timing	SOHC, 3 valves per cylinder	OHV, 4 valves per cylinder
Power	300 hp @ 5,000 rpm	362 hp @ 4,750 rpm	350 hp @ 3,000 rpm F-450: 325 hp @ 3,000 rpm
Torque	365 ft.-lb. @ 3,750 rpm	457 ft.-lb. @ 3,250 rpm	650 lb-ft @ 2,000 rpm F-450: 600 ft.-lb. @ 2,000 rpm
Oil Capacity	7 qt	7 qt	15 qt
Coolant Capacity	26.4 qt	27.5 qt	17.9 qt (engine only)
Transmission Type	6-speed manual overdrive (all)	5-speed TorqShift automatic overdrive (all)	
Gear Ratios			
I	5.79:1	3.11:1	
II	3.30:1	2.22:1	
III	2.10:1	1.55:1	
IV	1.30:1	1.00:1	
V	1.00:1	0.71:1	
VI	0.72:1	-	-
Available axle ratios	3.73:1, 4.10:1 (F-250/350SRW)	3.31:1, 3.55:1 (F-250/350), 4.10 (F-350 DRW)	3.73:1, 4.10:1 (F-350 DRW), 4.30:1 (F-450)

SUSPENSION	
Front	
4x2	Independent twin I-beam (Narrow Front Track) with coil springs, shock absorbers, stabilizer bar (F-250/350) Mono Beam (Wide Front Track) with coil springs, shock absorbers, stabilizer bar (F-450)
4x4	Mono beam (Narrow Front Track), with coil springs, shock absorbers, stabilizer bar (F-250/350)

	Mono Beam (Wide Front Track) with coil springs, shock absorbers, stabilizer bar (F-450)
Rear	
4x2	Stabilizer bar with non independent live axle with leaf springs, staggered shock absorbers; stabilizer bar on DRW models, camper package and stabilizer bar package on SRW
4x4	Stabilizer bar with non independent live axle with leaf springs, staggered shock absorbers; stabilizer bar on DRW models, camper package and stabilizer bar package on SRW

BRAKES

Front	13.66-inch disc (F-250, F-350) , 14.53 inch disc (F-450)
Rear	13.39-inch disc (F-250, F-350), 15.35 inch disc (F-450)
Assist type	Vacuum (F-250/F-350 single-rear-wheel gas engines) / hydro-boost (F-350 single-rear-wheel diesel engine, F-350 dual-rear-wheel F-450), ABS

WHEELS AND TIRES

Base wheel and tire	17-inch steel on F-350 dual-rear-wheel; 17 & 18-inch steel on F-250/350 single-rear-wheel, 19.5-inch. on F-450
Largest tires available	20-inch aluminum wheel, LT275/65R20E

F-350-450-550 Powertrain/Chassis

POWERTRAIN	**5.4L 3V Triton V-8**	**6.8L 3V Triton V-10**	**6.4L Power Stroke Diesel V-8**
Engine Type	**V-8, iron block, aluminum heads**	**V-10, iron block, aluminum heads**	**V-8, iron block and heads**
Bore/Stroke	3.55 x 4.16 in	3.55 x 4.16 in	3.86 x 4.13 in
Displacement	330 cu in, 5400 cc	415 cu in, 6802 cc	390.5 cu in, 6400 cc
Compression Ratio	9.8:1	9.2:1	17.5:1
Fuel Injection	Sequential multi-port electronic	Sequential multi-port electronic	High-pressure common rail
Valvetrain	SOHC, 3 valves per cylinder, variable cam timing	SOHC, 3 valves per cylinder	OHV, 4 valves per cylinder
Power	300 hp @ 5,000 rpm	362 hp @ 4,750 rpm	F-350: 350 hp @ 3,000 rpm F-450/F-550: 325 hp@3000rpm
Torque	365ft.-lb. @ 3,750 rpm	457 ft.-lb. @ 3,250 rpm	F-350: 650 ft.-lb. @ 2,000 rpm F450/F-550: 600 ft.-lb. @ 2,000 rpm

Oil Capacity	7 qt	7 qt	15 qt
Coolant Capacity	26.4 qt	27.5 qt	30.5 qt.
Transmission Type	6-speed manual overdrive (all)	5-speed TorqShift automatic overdrive (all)	
Gear Ratios			
I	5.79:1	3.11:1	
II	3.30:1	2.22:1	
III	2.10:1	1.55:1	
IV	1.30:1	1.00:1	
V	1.00:1	0.71:1	
VI	0.72:1	-	-
Available axle ratios		3.73:1, 4.10:1, 4.30:1 (F-350); 4.30:1, 4.88:1, 5.38:1 (F-450/F-550)	

SUSPENSION

Front	
4x2	Twin I-beam with coil springs (F-350) , Monobeam (F-450/F-550) both with shock absorbers and stabilizer bar
4x4	Mono beam (F-450/F-550), both with shock absorbers, stabilizer bar
Rear	
4x2	Non independent live axle with leaf springs, shock absorbers; stabilizer bar
4x4	Non independent live axle with leaf springs shock absorbers; stabilizer bar

BRAKES	
Front	13.66-inch disc (F-350), 14.53-inch disc (F-450/F-550)
Rear	13.39-inch disc (F-350), 15.35-inch disc (F-450/F-550)
Assist type	Vacuum (F-350 single-rear-wheel gas engines) / hydro-boost (F-350 single-rear-wheel diesel engine, F-350 dual-rear-wheel, F-450/F-550), ABS

WHEELS AND TIRES

Base wheel and tire	17-inch steel on F-350 dual-rear-wheel; 18-inch steel on F-350 single-rear-wheel, 19.5 steel (F-450/550)
Largest tires available	LT245/75Rx17E (F-350 DRW), LT275/70Rx18E (F-350 SRW), LT225/70Rx19.5G (F-450/550)

DIMENSIONS

F250/350/450 Dimensions and Capacities

Regular Cab		**SuperCab**				**Crew Cab**			
8-ft		6.75-ft		8-ft		6.75-ft		8-ft	
4x2	4x4	4x2	4x4	4x2	4x4	4x2	4x4	4x2	4x4

EXTERIOR										
Wheelbase	137.0	137.0	141.8	141.8	158.0	158.0	156.2	156.2	172.4	172.4
Overall length	227.0	227.0	231.8	231.8	248.0	248.0	246.2	246.2	262.4	262.4
Overall width	79.9 (95.7 for DRW)	79.9 (95.7 for DRW)	79.9	79.9	79.9 (95.7 for DRW)	79.9 (95.7 for DRW)	79.9 (95.7 for DRW)	79.9 (95.7 for DRW)	79.9 (95.7 for DRW)	79.9 (95.7 for DRW)
Cargo box length @ Floor	98.0	98.0	81.8	81.8	98.0	98.0	81.8	81.8	98.0	98.0
Cargo Width between wheelhouse	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
Inside Box Height	20.1	20.1	20.1	20.1	20.0	20.0	20.1	20.1	20.0	20.0
INTERIOR										
Seating capacity	2/3	2/3	5/6	5/6	5/6	5/6	5/6	5/6	5/6	5/6
Headroom										
Front	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
Rear	-	-	38.4	38.4	38.4	38.4	41.4	41.4	41.4	41.4
Legroom										
Front	41	41	41	41	41	41	41	41	41	41
Rear	-	-	31.8	31.8	31.8	31.8	41.8	41.8	41.8	41.8
Hiproom										
Front	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
Rear	-	-	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
Shoulder room										
Front	68	68	68	68	68	68	68	68	68	68
Rear	-	-	68.1	68.1	68.1	68.1	68	68	68	68
Fuel capacity (gal)	30.5 gallons with 141.8, 156.2 wheelbase, 38.0 gallons with 137, 158 and 172.4 wheelbase									

Turning diameter, curb-to-curb (ft)	47.7	46.1	49.1	47.5	54.1	52.36	53.5	51.8	58.5	56.5

All Dimensions are in inches unless otherwise noted.

F350/F450/F550 Dimensions and Capacities

	Regular Cab				SuperCab	Crew Cab	
EXTERIOR							
Wheelbase / Back-of-cab-to-axle	140.8/60	164.8/84	188.8/108	200.8/120	161.8/60	176.2/60	200.2/84
Overall length	226.0	250.0	274.0	286.0	247.0	261.4	285.4
INTERIOR							
Seating capacity	2/3	2/3	2/3	2/3	5/6	5/6	5/6
Headroom							
Front	41.4	41.4	41.4	41.4	41.4	41.4	41.4
Rear	-	-	-	-	38.4	41.4	41.4
Legroom							
Front	41.0	41.0	41.0	41.0	41.0	41.0	41.0
Rear	-	-	-	-	31.8	41.8	41.8
Hip room							
Front	67.6	67.6	67.6	67.6	67.6	67.6	67.6
Rear	-	-	-	-	67.3	67.3	67.3
Shoulder room							
Front	68.0	68.0	68.0	68.0	68.0	68.0	68.0
Rear	-	-	-	-	68.1	68.0	68.0
Fuel capacity	40-gal tank standard; auxilliary 19-gallon tank optional						
Turning circle, curb-to-curb (F-450/550) (ft)	42.3	48.6	54.8	57.9	47.8	51.5	57.8

WEIGHTS (pounds)

GVWR's available	9,800-11,500(F-350 SRW), -13,000 (F-350 DRW) 16,500 (F-450), 17,950, 19,500 (F-550)
Max. GCWR's available	23,000 (F350 SRW), 23500 (F-350 DRW), 30,000 (F-450), 33,000 (F-550)
Max towing capacity (5th wheel), properly equipped	15600 (F-350 SRW), 16,000 (F-350 DRW), 21600 (F-450), 24,600 (F-550)

All dimensions are in inches unless otherwise noted.

BASE CURB WEIGHT

F250/350/450 Super Duty Pickup Weight and Towing

Cab	**Regular Cab**		**SuperCab**				**Crew Cab**			
Cargo Box	8ft		6.75ft		8ft		6.75ft		8ft	
Drive	4x2	4x4	4x2	4x4	4x2	4x4	4x2	4x4	4x2	4x4
Base curb weight										
F250 SRW	5761	6181	5979	6400	6135	6554	6184	6609	6308	6727
F350 SRW	5798	6181	6015	6437	6171	6591	6225	6652	6480	6897
F350 DRW	6247	6669	-	-	6490	6909	-	-	6799	7215
F450 DRW	-	-	-	-	-	-	-	-	8233	8581
Max payload capacity 1										
F250 SRW	3180	2950	3160	2930	3200	2980	3216	2920	3220	3000
F350 SRW	4240	4120	4020	4090	4160	4140	4110	4080	4250	4230
F350 DRW	5690	5460	-	-	5640	5420	-	-	5730	5310
F450 DRW	-	-	-	-	-	-	-	-	6180	5830
Max GVWR										
F250 SRW	9400	9600	9600	9800	9800	10,000	9800	10,000	10,000	10,000
F350 SRW	10,600	11,000	10,800	11,200	11,000	11,400	11,000	11,400	11,200	11,500
F350 DRW	12,400	12,600	-	-	12,800	13000	12,800	13,000	13,000	13,000
F450 DRW	-	-	-	-	-	-	-	-	14500	14500

	Maximum GCWR
5.4L, 3.73:1 axle	16,000
5.4L, 4.10:1 axle	18,000
6.8L, 4.10:1 axle	21,000
6.8L, 4.30:1 axle	23,000
6.4L diesel, 3.73:1 axle	23,500
6.4L diesel, 4.10:1 axle	23,500
6.4L diesel, 4.30:1 axle	33,000

Max. Towing 1	**F-250/F-350 SRW**	**F-350 DRW**	**F-450 DRW**
Conventional-Weight distributing	12,500	15,000	16000
5th Wheel/Goose Neck	16,900	18,800	24,600