

2005



Kodiak C4500/C5500



NEW FOR 2005

- 4x4 Regular and Crew Cab models
- 213.5" wheelbase released for 19,500 lb. GVWR and above on C5V042
- 233" wheelbase released for 19,500 lb. GVWR
- 60-gallon fuel tank on additional C5V042 wheelbases
- 32-gallon aft-axle fuel tank

EPA SIZE CLASS

Class 4(C4500)
Class 5(C5500)
Class 6(C5500)

GVWR

- 16,000 lbs.
- 16,500 lbs.
- 17,500 lbs.
- 18,000 lbs.
- 19,500 lbs.
- 22,000 lbs.
- 26,000 lbs.

BODY STYLES

- 1-3 Passenger, Regular
- 1-6 Passenger, Crew Cab
- Motorhome Cutaway Chassis Cab
- Commercial Cutaway Chassis Cab
- School Bus Cutaway Chassis Cab

DRIVETRAIN LAYOUT

Front-engine, Rear-wheel drive, 4-wheel drive

DIMENSIONS/CAPACITIES

	Regular Cab	Crew Cab
Wheelbase (in.)	128-224	169-235
Length (in.)	203-345	265-356
Width (in.)	95.8 (114.9 with mirrors)	95.8 (114.9 with mirrors)
Height (in.)	89.4 (4x2), 93.4 (4x4)	89.5 (4x2), 93.5 (4x4)
Frame width (in.)	33.5	33.5
Frame, yield strength (psi.)	80,000	80,000
Track, f/r (in.)	79.6/73.1	79.6/73.1
Head room, (min. head clearance)(in.)	4.6	4.6
Leg room, f/r (in.)	39.9/-	39.9/39.4
Shoulder room, f/r (in.)	68.8/-	68.8/67.4
Mirror, surface area (sq. in.)	120 (outside mounted only)	120 (outside mounted only)
Ground clearance (in.)(4x2/4x4)	7.0 / 8.25	7.0 / 8.25
Approach/departure angle (deg.)	28.1/23.0 (4x2) 35.5/30.4 (4x4)	28.1/19.9 (4x2) 35.5/27.3 (4x4)
Step-in height (in.)	19 (4x2) 23 (4x4)	19 (4x2) 23 (4x4)
GVWR (lbs.)	16,000, 17,500 (C4500), 18,000, 19,500, 22,000, 26,000 (C5500)	16,500, 17,500 (C4500), 18,000, 19,500, 22,000, 26,000 (C5500)
GCWR (lbs.)	24,000-26,000 (C4500) / 26,000 (C5500)	24,000-26,000 (C4500) / 26,000 (C5500)
Fuel capacity (gal.)	Std. 25 gal. midship	Std. 40 gal. single, behind rear axle with LH fill only (no aux. fuel ports)
	Opt. 40 gal. single, behind rear axle with LH fill only, (no aux. fuel ports)	Opt. 25 gal. midship
	Opt. 40 gal. single behind rear axle with LH/RH fill and 2 auxiliary fuel ports	Opt. 40 gal. single behind rear axle with LH/RH fill and 2 auxiliary fuel ports
	Opt. 40 gal. dual tank; 25 gal. mid and 15 gal. aft of rear axle	Opt. 40 gal. dual tank; 25 gal. mid and 15 gal. aft of rear axle
	Opt. 32 gal. single behind rear axle with LH fill only and 2 auxiliary fuel ports	Opt. 32 gal single behind rear axle with LH fill only and 2 auxiliary fuel ports
	Opt. 60 gal. single behind rear axle with LH fill only (no auxiliary fuel ports)	Opt. 60 gal single behind rear axle with LH fill only (no auxiliary fuel ports)
	Opt. 60 gal. single behind rear axle with LH/RH fill and 2 auxiliary fuel ports	Opt. 60 gal single behind rear axle with LH/RH fill and 2 auxiliary fuel ports

Available Exterior Colors*

Black/Victory Red

Bright Blue Met./
Indigo Blue Met.

Summit
White/Black

Summit White/
Victory Red

Tan

Tangier Orange

Victory Red/
Summit white

Wheatland Yellow

Wheatland
Yellow/Black

Woodland Green

Select Colors
Shown



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WHEELBASE AND FRAME DIMENSIONS

(All dimensions in inches unless otherwise stated)

	WB	CA	CE
Conventional Cab	128	60	100
Chassis	152	84	146
(C4C042/C5C042)	176	108	178
(C4C044/C5C044-4x4)	188	120	204
	194	126	210
	206	138	222
	224*	156	240
Crew Cab	169	60	121
(C4E042/C5E042)	194	84	147
(C4E044/C5E044-4x4)	217	108	192
	229	120	204
	235	126	210
Motor Home	165.5	100	184
Cutaway	183.5	118	218
(C4V042/C5V042)	195.5	130	246
	213.5	148	264
	221.5*	156	284
Commercial Cutaway	165.5	100	171
(C4V042/C5V042)	183.5	118	202
	195.5	130	214
	221.5*	156	240
School Bus Cutaway	165.5	100	189
(C4V042/C5V042	183.5	118	207
w/B3D)	195.5	130	219
	220*	155	261
	233*	168	274
	246*	181	287
	259*	194	300

* Available only with extended GVWRs in C5500 (22,000-26,000 lbs)

WB = Wheelbase

CA = Cab to Axle

CE = Cab to End of Frame



POWERTRAIN

Engine type	Vortec 8100 (L18) OHV gas V8, cast-iron block and heads	Duramax 6600 (LLY), OHV diesel V8, cast-iron block, aluminum heads
Bore x stroke (in./mm)	4.25 x 4.37/107.95 x 111	4.06 x 3.90/103 x 99
Displacement (cu. in./cc)	496/8198	403/6599
Compression ratio	9.1:1	17.5:1
Valve gear	OHV, 2 valves per cylinder	OHV, 4 valves per cylinder
Fuel induction	Sequential Fuel Injection (coil-near-plug)	Turbocharged, intercooled Direct Injection via high-pressure common rail
SAE horsepower (hp/kw @ rpm)	225/168 @ 3600 325/242 @ 4000	210/157 @ 2750 300/224 @ 3000
SAE torque (lb-ft/Nm @ rpm)	350/475 @ 1200 450/603 @ 2800	520/705 @ 1600 520/705 @ 1600
Transmission type	ZF S6-650 (M50) 6-speed manual	Allison 1000 (M74) 5-speed automatic
Gear ratios		
1st	5.79	3.1
2nd	3.31	1.81
3rd	2.1	1.41
4th	1.31	1
5th	1	0.71
6th	0.76	N/A
Reverse	5.23	4.49
Final drive (axle) ratio	5.13	4.88/5.13
Max. engine speed (rpm)	4200	3250
Electrical	Single battery (600 CCA), 105-amp alternator	Dual 1110 series battery (1500 CCA), 105-amp alternator
Recommended fuel	87 octane, unleaded (minimum)	No. 2 diesel

Notes: Fuel Tanks mounted behind the rear axle (32, 40 and 60 gallon) may preclude some body applications. For example, the 152" wheelbase with 84" CA (EG9) can accommodate a 10 ft body with the (NK1) 25 gallon mid-ship tank or the (NG6) 25 and 15 gallon tank combination. With the (NLA) 32 gallon aft axle tank, the minimum body length is 11 ft. With the (NH4 or N23) 40 gallon aft axle tank, the minimum body length is 12 ft. If you need assistance spec'ing a truck, call the GM Medium Duty Business Center at 1-800-MEDIUMD

CHASSIS

Suspension, front	I-beam axle (6,250 and 7,000 lb. w/C4500, 7,000 lb. and 8,000 lb. w/C5500, 7,000 lb. drive axle on C4500/C5500 4x4 models), single-stage parabolic tapered-leaf springs with 34mm square-tube stabilizer bar and 35mm shock absorbers
Suspension, rear	Full-floating axle (11,000 and 13,500 lb. w/C4500, 13,500-15,000-19,000-lb. w/C5500), multi-leaf springs, taperleaf springs and 35mm shock absorbers, 44.5mm stabilizer bar
Steering type	ZF S-2 recirculating ball, integral power
Ratio	Variable, 16.1:1 to 19.6:1
Turning diameter, (ft.)	
4x2 models	As low as 38.6 (Regular Cab) or as low as 47.0 (Crew Cab)
4x4 models	As low as 48.0 (Regular Cab) or as low as 52.7 (Crew Cab)
Brakes, front	Hydraulic, 15 in. discs, four-channel ABS, EBD
Brakes, rear	Hydraulic, 15 in. discs, four-channel ABS, EBD (opt. brake-controlled traction control system on 4x2)
Wheels	Hub-piloted steel, 8-hole, 19.5 in. x 6 in. (opt. 19.5 in. x 6.75 in. size in steel and aluminum)
Tires (4x2 models)	225/70R19.5F, with choice of premium highway, traction or all-season tread design
Tires (4x4 models)	245/70R19.5G, with on/off road traction tread design
Transfer Case (4x4)	2-speed, electronic shift actuation, 2.72:1 low range gear reduction, Dextron III Lubrication with no scheduled maintenance
Final Drive Ratio (4x4)	5.13

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