

GM MEDIUM DUTY FUEL TANK SPECIFICATIONS

MINIMUM BODY LENGTH POSSIBLE							
RPO/WB	W/B	C/A	NK1/25gal	NG6/25/15	NLA/32 gal rear	N23/40 gal rear	NN4/60 gal rear
EC9	128	60	8ft	8ft	n/a	n/a	n/a
EG9	152	84	10ft	10ft	12ft	12ft	n/a
FNW	176	108	12ft	12ft	14ft	14ft	n/a
EK8	188	120	13ft	13ft	15ft	15ft	<i>16.5ft</i>
EK4	194	126	14ft	14ft	16ft	16ft	<i>17ft</i>
EK5	206	138	16ft	16ft	18ft	18ft	18ft
MINIMUM OVERHANG REQ.			3ft	3ft	4ft	4.5-5ft	6.5ft

Red indicates poor weight distribution

You must consider weight distribution and available space for equipment, in particular: LIFTGATES REQUIRE SPACE AT REAR THAT MAY BE PRECLUDED BY REAR TANKS

FUEL TANK SPECIFICATIONS

GENERAL INFORMATION

As indicated, the 4500/5500 Series feature specially sized fuel tanks to accommodate their different application requirements. All fuel tanks are mounted between the frame rails, though some provide a "clean" back of cab design (do not extend out) while others are mounted behind the rear axle. All tank sizes are available with both gasoline and diesel engines.

Dual tanks feature a (carryover) fuel transfer system. It supplies fuel to the engine from the front tank. A fuel monitoring system monitors the level in both tanks and keeps them at even levels. When the fuel level in the front tank drops below that of the rear, it activates a transfer pump to pump fuel from the rear tank to the front until both are at an even keel. The fuel control module also averages the levels in each tank and controls the fuel gauge reading. The fuel tank design incorporates a sump pump and drain plug.

The 6500-8500 Series carry feature new-sized steel fuel tanks with aggressive tread step. A second tread plate, bolted onto the top of the tank, provides added strength/support. The fuel filter with all tanks is toward the rear.

Dual tanks with the Vortec 8100 gasoline engine feature a transfer system. The system supplies fuel to the engine from the left-hand (driver's side) tank. A fuel control module monitors the level in each tank. As the fuel level in the left side tank drops, a transfer pump on the right side pumps fuel into it. The fuel control module also averages the levels in each tank and controls the fuel gauge level reading. The fuel tank incorporates a sump and drain plug.

Diesel engine models with dual tanks have a dual draw, dual return system.

CONVENTIONAL CAB C4/C5 Fuel tank Changes

Capacity Gallons	RPO	Fill	Auxiliary Ports	Models
25	NK1	LH	No	C4C042 ¹ , C4E042, C5C042 ¹ , C5E042
32	NLA	LH	Yes (2)	C4C042, C4C044, C4E042, C4E044 C5C042, C5C044, C5E042, C5E044
32	NLB	LH	No	C4C042, C4C044, C4E042, C4E044 C5C042, C5C044, C5E042, C5E044
35	NPQ ²	LH	No	C4C044, C5C044
40	NLD	LH	Yes (2)	C4C042, C4C044, C4E042, C4E044, C4V042 C5C042, C5C044, C5E042, C5E044, C5V042
40	NH4	LH	No	C4C042, C4C044 ¹ , C4E042 ¹ , C4E044 ¹ , C4V042 ¹ C5C042, C5C044 ¹ , C5E042 ¹ , C5E044 ¹ , C5V042 ¹
40	N23 ²	LH/RH	Yes (2)	C4C042, C4C044, C4E042, C4E044, C4V042 C5C042, C5C044, C5E042, C5E044, C5V042
25/15	NG6	Dual LH/LH	No	C4C042, C4E042 C5C042, C5E042
60	NH5	LH	No	C4C042, C4C044, C4E042, C4E044, C4U042 ¹ , C4V042 C5C042, C5C044, C5E042, C5E044, C5U042 ¹ , C5V042
60	NLE	LH	Yes (2)	C4C042, C4C044, C4E042, C4E044, C4U042, C4V042 C5C042, C5C044, C5E042, C5E044, C5U042, C5V042
80	NLF	LH	Yes (2)	C4U042, C5U042

¹ Standard

² Diesel only

FUEL TANK SPECIFICATIONS

CONVENTIONAL CAB STANDARD SPECIFICATIONS
Fuel Tanks

RPO Code	Minimum Capacity gals. (liters)	Type	Location	Dimensions			Material
				Length in. (cm)	Width or Dia. in. (cm)	Height in. (cm)	
NK1	25 (94.6)	Rect. Inboard	Driver side between Frame Rail	58.5 (148.7)	9.4 (23.9)	17.2 (43.8)	Plastic
NG6	40/25 (151.4/ 94.6)	Rect. Inboard	25 gal. Driver side between frame rails forward of rear axle and 15 gal. Between frame rails aft of rear axle	58.5/19.2 (148.7/48.9)	9.4/26.9 (23.9/68.3)	17.2/13.0 (43.8/33.1)	Composite
NLA/ NLB	32 (121)	Rect. Inboard	Between Frame Rails aft of Axle	28.2 (71.6)	25.7 (65.3)	18.3 (48.5)	
N23/ NH4/ NLD	40 (151.4)	Rect. Inboard	Between Frame Rails aft of Axle	35.7 (90.7)	25.7 (65.3)	16.7 (42.4)	H.R. Steel
NH5/ NLE	60 (227.1)	Rect. Inboard	Between Frame Rails aft of Axle	53.4 (135.7)	25.7 (65.3)	16.7 (42.4)	
NLF	80 ¹ (302.8)	Rect. Inboard	Between Frame Rails aft of Axle	71.1 (180.7)	25.7 (65.3)	16.7 (42.4)	
NPQ	35 (132.5)	Rect. With Steps	Driver side Frame Rail under cab	39.2 (99.5)	24.1 (61.2)	11.9 (30.3)	Steel
NNQ	50/50 (189.2/189.2)	Rect. With Steps	Driver side/ Passenger side behind cab	39.2/39.2 (99.5/99.5)	24.3/24.3 (61.8/61.8)	15.6/15.0 (39.6/38.2)	Steel
NNV	50 (189.2)	Rect. With Steps	Driver side under cab	39.2 (99.5)	24.3 (61.8)	15.6 (39.6)	Steel
NNW	50 (189.2)	Rect. With Steps	Passenger side with half under cab	39.2 (99.5)	24.3 (61.8)	15.6 (39.6)	Steel
NPW	35/35 (132.5/132.5)	Rect. With Steps	Driver side/Passenger side under cab	39.2/39.2 (99.5/99.5)	24.1/24.1 (61.2/61.2)	11.9/11.1 (30.3/28.1)	Steel
NG7	50/25 (189.2/94.6)	Rect. With Steps	Driver side/Passenger side Both under cab	39.2/21.6 (99.5/54.8)	24.1/24.1 (61.2/61.2)	15.7/14.8 (39.8/37.6)	Steel
NJ2	5 (18.9)	Rect. Outboard	Driver side Frame Rail	15.0 (38.1)	8.0 (20.4)		

¹ 80 gallon usable capacity

FUEL TANK SPECIFICATIONS

TILT-CAB STANDARD SPECIFICATIONS Fuel Tanks

RPO Code	Minimum Capacity gals. (liters)	Type	Location	Dimensions			Material
				Length in. (cm)	Width or Dia. in. (cm)	Height in. (cm)	
NJ8	50/50 (189.2/189.2)	Rect. Outboard	Driver side/Passenger side Both behind cab	39.2/39.2 (99.5/99.5)	24.3/24.3 (61.6/61.6)	15.0/15.0 (38.2/38.2)	Steel
NJ7	50/25 (189.2/94.6)	Rect. Outboard	Driver side/Passenger side Both behind cab	39.2/21.6 (99.5/54.8)	24.3/24.3 (61.6/61.6)	15.0/15.0 (38.2/38.2)	Steel
NK6	50 (189.2)	Rect. Outboard	Driver side behind cab	39.2 (99.5)	24.3 (61.6)	15.0 (38.2)	Steel
NK8	50 (189.2)	Rect. Outboard	Passenger side behind cab	39.2 (99.5)	24.3 (61.6)	15.0 (38.2)	Steel

TILT-CAB FUEL FILTER INFORMATION

Engine	Filter Type	RPO	Filter Location	Filter Element	Type
ISUZU 6HK1-TC 7.8L I6	Primary	BASE	Outside, Driver side frame rail near engine	3202	Primary
ISUZU 6HK1-TC 7.8L I6	Secondary	BASE	Engine	RACOR R50168	Secondary

FEATURES

FUEL HANDLING AND STORAGE

Single Tank (RPO=NK6, NK8) Dual Tanks (RPO=NJ8, NJ7)

ISUZU 6HK1-TC 7.8L I6 – The primary (RPO=NK6, NK8) and secondary (RPO=NJ8, NJ7) fuel pumps are mechanical. The ECU (Electronic Control Unit) monitors both the primary and secondary fuel senders. The fuel level is sent by the ECU to the I/P cluster via Class-2.

FUEL FILTER AND WATER SEPARATOR (RPO= NWB)

The following fuel filter and water separators are available on the diesel engines.

Standard on ISUZU 6HK1-TC 7.8L I6 provides an engine mounted heated fuel filter, which is included with the cold weather fuel and water separator.

NWB (Standard) – “RAYCOR” a frame mounted primary fuel filter and water separator, includes water in fuel telltale. Available on ISUZU 6HK1-TC 7.8L I6.

Note: The water in fuel telltale is located in the Telltale Module.