

White

SPECIFICATIONS



MODEL WC-22PLT

GROSS RATING: 50,000 LBS.

WHEELBASE: Standard 136". Optional at extra charge, 142", 148" and 160".

ENGINE: White 150A Super Power. 6 cylinder "L" head type.

Bore and Stroke: 4" x 5 1/4".

Displacement: 386 cu. in.

A.M.A. Rating: 38.4 H.P.

Max. Brake H.P.: 135.

Torque (at 1300 RPM): 315 lbs. ft.

Crankshaft: 7 bearings.

Engine Mounting: 4 point rubber suspension.

Valves:

Inlet: Chrome nickel steel, stem chrome plated.

Exhaust: Stainless alloy steel, stem chrome plated, sodium cooled, Stellite faced.

Seat Inserts: Chrome molybdenum steel, Stellite faced, shrunk and pressed into cylinder block.

Oil Filter: Built-in type. Removable cartridge.

Carburetor: 1 3/4" Duplex downdraft.

Air Cleaner: Oil bath tractor type.

Clutch: 13" dia. single plate, dry, easily adjusted.

Cooling System: Water pump of centrifugal design operating at high pressure forces a continuous flow of water through the entire circulation system. Water is introduced into the front of the cylinder block and flows through metered openings at the valve ports to insure uniform valve cooling. Full by-pass thermostat in water outlet controls warm-up period and maintains uniform operating temperature. Radiator core is equipped with a pressure cap set for a relatively low blow-off pressure. The top tank is designed to prevent loss of coolant. The entire system is self-sealing and leak proof. Fan, 5-blade type, 21" diameter.

Electric System: 6 volt starting and lighting.

Generator: 6 volt, 40 ampere, ventilated, current and voltage regulated.

Battery: 6 volt, 15 plate, 119 ampere hour capacity.

Ignition: Battery distributor type with automatic spark advance.

Fuel Pump: Mechanically driven from camshaft.

Fuel Tank: 32 gallon capacity, mounted under right running board apron.

Lubrication: Full pressure to main, connecting rod, camshaft bearings and piston pins and intermittent to timing gears.

TRANSMISSION: Model 507B. Selective type, 5 speeds forward, 5th direct and one reverse.

Gear Ratios:

5th: 1.00	2nd: 4.41
4th: 1.48	1st: 7.88
3rd: 2.63	Reverse: 7.88

AXLE — FRONT

Model: 54D Reverse Elliot type. Heavy "I" beam section.

Springs: Semi-elliptic, 39" x 2 3/4".

AXLE — REAR

Model: 33C. Single reduction, full floating.

Gear Ratios: 4.75; 5.22; 5.67; 6.29; 7.14.

Springs: Semi-elliptic with aux. 54" x 3".

Type of Drive: Hotchkiss through springs.

BRAKES — SERVICE: Four wheel internal, two shoe, hydraulically operated in alloy cast iron drums.

	Front	Rear	Total
Diameter of Drum:	16 1/4"	16 1/2"	
Width of Lining:	2 3/4"	4 1/2"	
Thickness of Lining:	3/8"	3/4"	
Effective Lining Area: sq. in.	154	311	465
Drum Area: sq. in.	230	466.5	696.5
Hydrovac: 3.5 cu. in.			

FRAME: Single channel with skid plate, medium carbon steel, heat treated.

Side Rail Section: 8" x 3" x 1/4".

Resisting Bending Moment: 469,800 in. lbs. per side rail.

WHEELS AND TIRES: Cast wheels. Standard tires 8.25-20 single front and dual rear.

STEERING GEAR: Twin lever and cam type with roller bearings readily adjustable. Steering wheel dia. 20"; 3 spoke.

SHOCK ABSORBERS — FRONT: Double acting type.

TRAILER BRAKE CONNECTIONS: Installed on frame back of cab.

TRAILER LIGHTING CONNECTIONS: Cole-Hersee 6 wire type. Installed on frame back of cab.

CHASSIS EQUIPMENT: Front fenders; dash and cowl; toe boards; running boards; hood; electric horn; sealed beam head lamps with parking lamps; combination stop and tail light; treadle type accelerator; tool box; standard set of tools including hydraulic jack; channel type front bumper.

INSTRUMENT PANEL: Built-in detachable sub-panel. Heavy duty lock type ignition switch; push button to operate starting switch; speedometer with 1,000,000 mile odometer; upper beam indicator; ammeter; electrically controlled oil gauge, temperature indicator and gasoline gauge; control knobs for head lamps; instrument lights (bright, dim, off); throttle and choke. All instruments are edge lighted.

PAINTING:

Red and Gray:

Red: Chassis and Wheels.

Gray: Fenders, Lamps, Cowl, Hood, Radiator Shell and Cab.

Solid Red: Chassis, Wheels, Fenders, Lamps, Cowl, Hood, Radiator Shell and Cab.

Optional Equipment for Special Requirements Available at Standard Extra Charges

Longer Wheelbase.
Streamlined Coupe Cab.
Sleeper Cab
(on 160" WB Only).
Air Brakes.

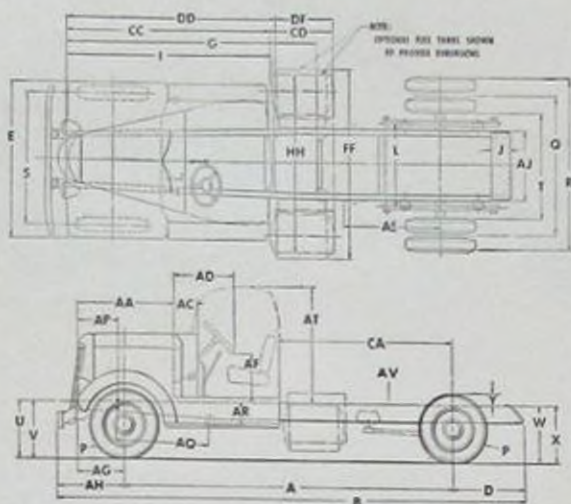
12 Volt Starting and Lighting System.
Heavy Duty Front Axle.
Double Reduction Rear Axle.
Two Speed Rear Axle.
Disc Wheels.

Larger Cap. Safety Fuel Tanks.
Aux. Trans. (142" WB and Up).
BL6231 and BL6231A.
Rear Deck Platform.
Larger Generator.

Larger Batteries.
Larger Tires.
Quarter Rear Fenders.

White

CHASSIS DIAGRAM AND DIMENSIONS MODEL WC-22PLT



A	B	CA	D	G		I	J	P	S		O		T		R		U, V, W, X, Y				
				Front of Frame to					Tread		Width Inside Rear Tires		Width Over Rear Tires		Frame Height				Clearance		
				Center Bearing Cross-Member	Cab Cross-Member				Front	Rear	Cast	Disc	Cast	Disc	Light	Loaded	Light	Loaded		Light	Loaded
				None	95 1/2				Cast	Disc	Cast	Disc	Cast	Disc	Light	Loaded	Light	Loaded		Light	Loaded
138 2 1/2	209 1/2	60 1/4	34 1/4	None	95 1/2	10	8.25-20D	69 1/4	70 1/4	70 1/4	70 1/4	51 1/2	51 1/2	89 1/4	89 1/4	20 1/2	25 1/2	37 1/2	32 1/2	5 1/2	
142	206 1/2	68 1/4	34 1/4	None	95 1/2	10	9.00-20D	69 1/4	69 1/4	70 1/4	70 1/4	49 1/2	49 1/2	91 1/2	92 1/2	31 1/2	36 1/2	35 1/2	33 1/2	9 1/2	
145	212 1/2	72 1/4	34 1/4	None	95 1/2	10	10.00-20D	67 1/2	68 1/2	70 1/4	70 1/4	46 1/2	46 1/2	94 1/4	94 1/4	32 1/2	31 1/2	39 1/4	33 1/2	10	
160	224 1/2	94 1/4	34 1/4	None	95 1/2	10	*11.00-20D	67 1/2	68 1/2	70 1/4	70 1/4	46 1/2	46 1/2	94 1/4	94 1/4	None	None	40	34 1/2	10 1/2	

E	L	AA	AC	AD	AF	AG	AH	AJ	AP	AO	AR	AS		AT	AV	CC	CD	DD	DF	FF	HH	
												Power Take-Off Location										
												Right	Left									
												Right	Left									
AS	49 1/2	46 1/2	11 1/2	29 1/2	33	27 1/2	30 1/2	34 1/2	19 1/2	44 1/2	44 1/2	11 1/2	11 1/2	None	55 1/4	2 1/2	99 1/2 with Std. Cab	30	10 1/2 with Std. Cab	24 on 136 W.B.	93 1/4	82
																	125 1/2 with Sleeper Cab		25 with Std. Sleeper Cab	Other W.B.		

* Rear only.

ALL DIMENSIONS GIVEN IN INCHES



THE WHITE MOTOR COMPANY

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FOR 50 YEARS THE GREATEST NAME IN TRUCKS

White

SPECIFICATIONS



MODEL WC-22

GROSS RATING: 22,000 to 26,500 LBS.

(Depending on the application)

WHEELBASE: Standard 136". Optional at extra charge, 148", 160", 178", 196", 214", and 226".

ENGINE: White, 140A Super Power, 6 cylinder "L" head type.

Bore and Stroke: 3 $\frac{1}{2}$ " x 5 $\frac{1}{2}$ ".

Displacement: 362 cu. in.

A.M.A. Rating: 36 H.P.

Max. Brake H.P.: 125.

Torque (at 1400 RPM): 285 lbs. ft.

Crankshaft: 7 bearings.

Engine Mounting: 4 point rubber suspension.

Valves:

Inlet: Chrome nickel steel, chrome plated.

Exhaust: Stainless alloy steel, chrome plated, sodium cooled, Stellite faced.

Seat Inserts: Chrome molybdenum steel, Stellite faced, shrunk and pressed into cylinder block.

Oil Filter: Built-in type. Removable cartridge.

Carburetor: 1 $\frac{1}{4}$ " Duplex downdraft.

Air Cleaner: Oil bath tractor type.

Clutch: 13" dia. single plate, dry, easily adjusted.

Cooling System: Water pump of centrifugal design operating at high pressure forces a continuous flow of water through the entire circulation system. Water is introduced into the front of the cylinder block and flows through metered openings at the valve ports to insure uniform valve cooling. Full by-pass thermostat in water outlet controls warm-up period and maintains uniform operating temperature. Radiator core is equipped with a pressure cap set for a relatively low blow-off pressure. The top tank is designed to prevent loss of coolant. The entire system is self-sealing and leak proof. Fan, 5-blade type, 21" diameter.

Electric System: 6 volt starting and lighting.

Generator: 6 volt, 30 ampere, ventilated, current and voltage regulated.

Battery: 6 volt, 15 plate, 119 ampere hour capacity.

Ignition: Battery distributor type with automatic spark advance.

Fuel Pump: Mechanically driven from camshaft.

Fuel Tank: 32 gallon capacity, mounted under right running board apron.

Lubrication: Full pressure to main, connecting rod, camshaft bearings and piston pins and intermittent to timing gears.

TRANSMISSION: Model 507B. Selective type. 5 speeds forward, 5th direct and one reverse.

Gear Ratios:

5th: 1.00	2nd: 4.41
4th: 1.48	1st: 7.88
3rd: 2.63	Reverse: 7.88

AXLE — FRONT

Model: 58D Reverse Elliot type. Heavy "I" beam section.

Springs: Semi-elliptic, 39" x 2 $\frac{1}{2}$ ".

AXLE — REAR

Model: 89C. Single reduction, full floating.

Gear Ratios: 4.88; 5.29; 5.57; 6.17; 7.17.

Springs: Semi-elliptic with aux. 54" x 3 $\frac{1}{2}$ ".

Type of Drive: Through radius rods.

BRAKES — SERVICE: Four wheel internal, two shoe, hydraulically operated in alloy cast iron drums.

	Front	Rear	Total
Diameter of Drum:	16 $\frac{1}{4}$ "	16 $\frac{1}{2}$ "	
Width of Lining:	3 $\frac{1}{2}$ "	6"	
Thickness of Lining:			
	3 $\frac{1}{8}$ "	3 $\frac{1}{4}$ "	
Effective Lining Area: sq. in.	214	415	629
Drum Area: sq. in.	357	622	979
Hydrovac: 6 cu. in.			
Vacuum Reserve Tank: Cap. 1032 cu. in.			

BRAKE — HAND: Band, external contracting on cast iron drum, at rear of transmission. Diameter, width and thickness of lining are 10 $\frac{1}{2}$ " x 3" x $\frac{1}{16}$ ". Effective lining area, 102.5 sq. in.

FRAME: Medium carbon steel, heat treated.

Side Rail Section: 8 $\frac{1}{2}$ " x 3 $\frac{1}{16}$ " x $\frac{1}{4}$ ".

Section Modulus: 9.9 per side rail.

Resisting Bending Moment: 594,000 in. lbs. per side rail.

WHEELS AND TIRES: Cast wheels. Standard tires 8.25-20 single front and dual rear.

STEERING GEAR: Twin lever and cam type with roller bearings readily adjustable. Steering wheel dia. 20"; 3 spoke.

SHOCK ABSORBERS — FRONT: Double acting type.

CHASSIS EQUIPMENT: Front fenders; dash and cowl; toe boards; running boards; hood; electric horn; sealed beam headlights with parking lamps; combination stop and tail light; treadle type accelerator; radius rods; tool box; standard set of tools including hydraulic jack; spare rim; channel type front bumper.

INSTRUMENT PANEL: Built-in detachable sub-panel. Heavy duty lock type ignition switch; push button to operate starting switch; speedometer with 1,000,000 mile odometer; upper beam indicator; ammeter; electrically controlled oil gauge, temperature indicator and gasoline gauge; control knobs for head lamps; instrument lights (bright, dim, off); throttle and choke. All instruments are edge lighted.

PAINTING:**Red and Gray:**

Red: Chassis and Wheels.
Gray: Fenders, Lamps, Cowl, Hood, Radiator Shell and Cab.

Solid Red: Chassis, Wheels, Fenders, Lamps, Cowl, Hood, Radiator Shell and Cab.

Optional Equipment for Special Requirements Available at Standard Extra Charges

Longer Wheelbase.
Streamlined Coupe Cab.
Sloper Cab
(on 160" WB and Longer).
Air Brakes.

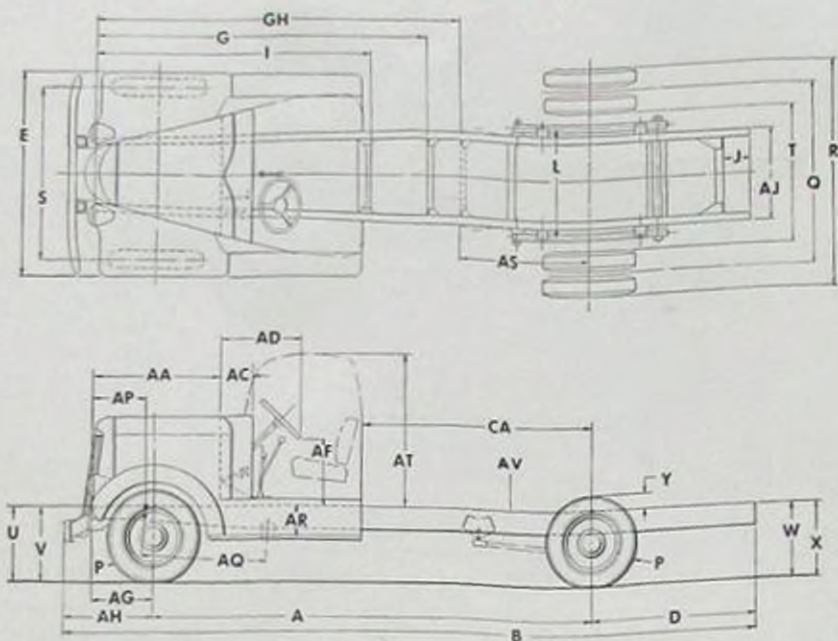
12 Volt Starting and Lighting System.
150A Engine.
Heavy Duty Front Axle.
Double Reduction Rear Axle.
Two Speed Rear Axle.

Larger Cap. Safety Fuel Tanks.
Aux. Trans. (148" WB and Long-
er). BL6231 and BL6231A.
Top Mounted Power Take-Off
(160" WB and Longer).

Disc Wheels.
Larger Generator.
Larger Batteries.
Larger Tires.
Heavy Duty Springs.

White

CHASSIS DIAGRAM AND DIMENSIONS
MODEL WC-22



A	B	CA	D	Front of Frame to			J	P	Tread		T		R		Frame Height				Y			
				Center Bearing Cross-Member	Center Bearing Cross-Member	Cab Cross-Member			Rear of Frame to Rear Cross-Member	Front		Rear		Width Inside Rear Tires		Width Over Rear Tires		At Centerline of Front Axle		At Centerline of Rear Axle		
										Cast	Disc	Cast	Disc	Cast	Disc	Cast	Disc	Light		Loaded	Light	Loaded
				Wheel-base	Over-all Length	Rear of Cab to C/L Rear Axle			Over-hang	Center Bearing Cross-Member	Center Bearing Cross-Member	Cab Cross-Member	Rear of Frame to Rear Cross-Member	Tire Size	Cast	Disc	Cast	Disc		Cast	Disc	Cast
126 Std.	210 1/2	605 1/4	44	None	None	98 1/2	None	8.25-20D	73 1/2	73 1/2	71 1/2	71 1/2	52 1/2	52 1/2	90 1/4	90 1/4	32	50 1/2	37 1/2	52 1/2	8 1/4	
148	225 1/2	72 1/4	59	None	None	98 1/2	None	9.00-20D	71 1/2	71 1/2	71 1/2	71 1/2	50 1/2	50 1/2	93	93 1/2	32 1/2	51 1/2	38 1/2	53 1/2	9 1/4	
160	232 1/2	84 1/4	62	122 1/2	None	98 1/2	10	9.00-22D	71 1/2	71 1/2	71 1/2	71 1/2	50 1/2	50 1/2	93	93 1/2	33 1/2	52 1/2	39 1/2	54 1/2	10 1/4	
175	258 1/2	102 1/4	69	122 1/2	None	98 1/2	10	10.00-20D	70 1/2	70 1/2	71 1/2	71 1/2	47 1/2	48 1/2	95 1/2	95 1/2	33 1/2	52 1/2	39 1/2	54 1/2	10 1/4	
196	324 1/2	120 1/4	98	122 1/2	155 1/2	98 1/2	10	10.00-22D	70 1/2	70 1/2	71 1/2	71 1/2	47 1/2	48 1/2	95 1/2	95 1/2	34 1/2	53 1/2	40 1/2	55 1/2	11 1/4	
214	370 1/2	138 1/4	120	122 1/2	155 1/2	98 1/2	10	11.00-20D	70 1/2	70 1/2	71 1/2	71 1/2	47 1/2	47 1/2	95 1/2	95 1/2	34 1/2	52 1/2	40 1/2	55 1/2	10 1/4	
226	370 1/2	150 1/4	114	122 1/2	169 1/2	98 1/2	10															

E	L	AA	AC	AD	AF	AG	AH	AJ	AP	AQ		AR		AS	AT	AV
										Power Take-Off Location		Top of Frame to C/L of P.T.O. Opening				
										Right	Left	Right	Left			
Width Over Front Fenders	Center to Center Rear Springs	Front of Frame to Dash	Depth of Cowl	Dash to Rear of Steering Wheel	Top of Frame to Bottom of Steering Wheel	Front of Frame to C/L of Front Axle	Front of Bumper to C/L of Front Axle	Width of Frame at Rear	Front of Frame to Front of Crankcase	Front of Crankcase to C/L of P.T.O. Opening	Top of Frame to C/L of P.T.O. Opening	Radius Rod Front Bracket to C/L Rear Axle	Top of Cab to Top of Frame	Top of Frame to Top of Cross-Member		
85	40 1/2	45 1/2	11 1/2	29 1/2	25	22 1/2	30 1/2	34 1/2	19 1/2	44 1/4	44 1/4	11 1/2	11 1/2	48 1/2	66 1/2	2 1/2

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