



P-500S SERIES

STANDARD SPECIFICATIONS

ENGINE

Cummins NTC-350 six cylinder - turbocharged.
Bore and Stroke - 5 1/2" x 6".
Piston Displacement - 855 cu. in.
Brake Horsepower - 350 H.P. @ 2100 R.P.M.
Maximum Torque - 1120 lb. ft. @ 1600 R.P.M.
Donaldson Cyclopac Air Cleaner.
Water Filter - spin-on type.
Spin-on full flow Lube Filter.
Dana 14" two plate organic clutch with torque limiting clutch brake.
Vertical Exhaust System with 5" dia. pipe, 3 ft. extension, Muffler Guard with rain cap.
H.D. 24 volt starter.

TRANSMISSION

Fuller RTO-11613, 13-speed twin countershaft Roadranger.

DRIVE LINES

Spicer 1710 series with steady bearing.

PARKING BRAKE

* - Anchorlok Double Diaphragm - Type 30 spring brake chambers on forward driving axle.

STEERING

Sheppard M-392 integral power steering to 12,000 lbs.

FRONT AXLE

Rockwell Standard FF-931N with 79.19" track.
12,000 lbs. capacity.
60" load centre front springs.
2-six spoke wheels with 20" x 7.50 FL3 rims (2).

REAR AXLE

Rockwell Standard SSHD with 72" track.
44,000 lb. capacity. GCW 90,000 lbs.
54" axle spacing.
Hendrickson RS-440 rubber cushion suspension - or RT-440 steel leaf suspension.
16 1/2" x 7" S-Cam brakes.
8-six spoke wheels with 20" x 7.50 FL3 rims (8).

TIRES

10 only 10.00 x 20, 12 ply nylon. Conventional rib tread.

FRAME

10" x 3 1/4 x 3/8 single heat treated rail (P-510 model designation).
Section modules: 15.0 in.³ per rail.
RBM: 1,650,000 in. lb.
Maximum frame rail length: 396".
Steel channel type bumper with tow pin.
Blank rear crossmember.

RADIATOR

Bolt-on-tank style.
36" x 44" (1,584 sq. in. frontal area).
Kysor air operated radiator shutters (dual cylinder).
Winterized to - 40° F. protection.

ELECTRICAL

12/24 volt system.
12 volt, 80 amp. Delco 27SI Alternator.
Four Group 4D, 6-volt, 160 amp.-hr. batteries.
Automatic re-set circuit breakers.
Dual headlights, dual tail and stoplights, reverse warning lights, turn indicators, five pedestal type clearance lights.
Electric horn.

AIR EQUIPMENT

Schedule 'A' Brake System.*
Single 13.2 c.f.m. Cummins compressor.
Flexible lines with re-usable fittings throughout.
Single air horn.

INSTRUMENTS

Speedometer, tachometer, ammeter, air pressure gauges, water temperature gauge, engine oil pressure gauge, fuel gauge.

FUEL SYSTEM

Steel 66 Imperial gallon capacity, left side mounted fuel tank.
Cummins spin-on fuel filter.

CAB

Steel construction with aluminum doors, bulkhead type.
Safety glass throughout.
Bostrom Viking T-Bar driver's seat.
Bostrom passenger seat.
Air operated windshield wipers with dual motors.
Electric windshield washers.
Dual aluminum West Coast mirrors - heated and lighted.

HOOD & FENDERS

All steel hood with removable steel side panels, grab handles and rubber hood catches.
Steel flat top style fenders with non-skid upper surface and mudflaps.

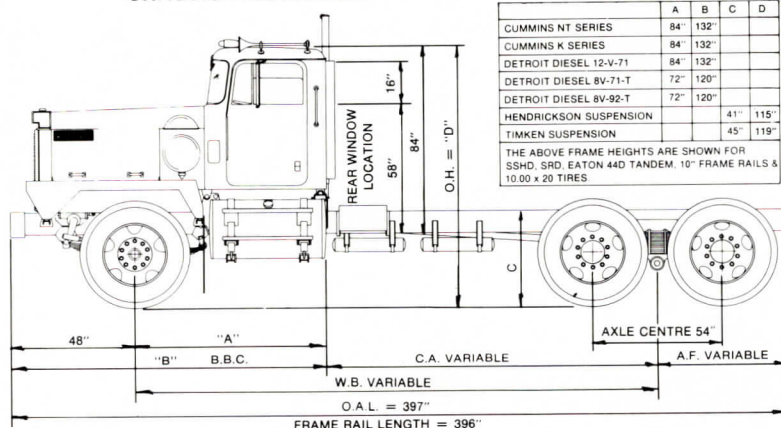
PAINT

Cab: Enamel, single colour.
Chassis (incl. fuel tank, battery box, bumper, hubs, frame and running gear): Black.
Rims: Grey.

COMPLETE PARTS AND SERVICE MANUAL

* SEE 'OPTIONAL EQUIPMENT' FOR BRAKE SYSTEM CMVSS-121 & PROVINCE OF B.C. SYSTEMS.

CHASSIS DIMENSIONS



Pacific
TRUCK
AND TRAILER LTD.

935 WEST 3RD STREET, NORTH VANCOUVER
BRITISH COLUMBIA, CANADA. V7P 1E5
TELEPHONE (604) 985-7121

P-500S SERIES: OPTIONAL EQUIPMENT

ENGINES

Cummins	Detroit	Caterpillar
NTC-400	8V-71TA	3406
NTC-475	8V-92TA	3408
KTA-525	8V-92TTA	

Jacobs brake with multiple-position switch. Caterpillar brake saver.

Block heater, oil pan heater, exhaust pyrometer, thermatic fan, Vernier hand throttle control, air cleaner diverter valve.

Luberfiner 750 lub. oil filter (standard with Cummins engines).

Phillips Quick-Start.

Low oil pressure/high water temperature warning light.

Kysor engine alarm and shutdown system.

Dana 15½" two-plate clutch.

Dampened disc clutch.

Chrome exhaust and air cleaner parts.

TRANSMISSIONS — Main

Fuller	RTOO-11613	RT and RTO-14613
	RT-11610, RTO-11610	RT and RTO-14615
	T-11605, TO-11605	
Spicer	SST-5, 1452A and 1453A or B	
	SST-6, 1463A	
	SST-12, 1412-3A	
Allison	HT-750 DRD	
	CLBT-750	

Auxiliary —

Fuller AT-1202 Two-Speed.

Spicer 1241-C or D Four-Speed.

PTO bottom and top mount as available.

DRIVE LINES

Pacific will match drive lines to suit the torque requirements of the drive train components.

PARKING BRAKES

Anchorlok Type 30 on two driving axles (Mandatory)

Maxi Type 30 in lieu of Anchorlok.

Anchorlok Type 36 on two driving axles (with Clark BD-71,000 axle only).

STEERING

Single 492 Sheppard Steering 14,000 lbs. capacity axles.

Dual 392 Sheppard Steering 18,000 lbs. capacity axles.

492 Sheppard Steering with 392 SLave 20,000 lbs. capacity.

FRONT AXLES

FG-931N (no brakes) 14,600 max. capacity

FG-931P (with brakes) 14,600 max. capacity

FL-931N (no brakes) - 12,000 to 20,000 lb. capacity

FL-931P (with brakes) - 12,000 to 20,000 lb. capacity.

Shackled spring suspension - 12,000 to 16,000 lb. capacity.

Slipped springs c/w torque rods - 14,000 to 20,000 lb. capacity.

Aeon rubber assist (for shackled suspension).

Brakes for FF-931 front axle.

Wheel bearing oil seals.

Shock absorbers for FF-931, FG-931 and FL-931 front axle.

Disc wheels.

REAR AXLE

Rockwell Standard SFD-4640, 65,000 lbs. capacity.

SR, SW, SU axles - 46,000 lbs. to

70,000 lbs. capacity.

Eaton DS/DT/DP 440P, 44,000 lb. capacity.

DS/DT/DP 480P, 48,000 lb. capacity.

Clark BD-71,000, 80,000 lbs. capacity.

Hendrickson RS-450 rubber cushion suspension.

RT-450 steel leaf suspension.

RS-500 rubber cushion suspension.

RT-500 steel leaf suspension.

Pacific steel leaf suspension for the above axles.

Wheel Bearing oil seals, chain clearance.

Disc wheels.

TIRES

— up to 18 x 22.5 tubeless.

— up to 12.00 x 24 tube type.

FRAME

9³/₁₆" x 2⁷/₈" x ⁹/₃₂" complete insert for 10" rail. Combined section modulus 24.9 in.³ per rail, RBM 2,739,000 in. lb.

9³/₁₆" x 2⁷/₈" x ⁹/₃₂" light weight dump insert for 10" single rail only.

12" x 4" x ³/₈" single heat treated rail (P-512 model designation). Section modulus 22.736 in.³ per rail, RBM 2,500,960 in. lb.

11³/₁₆" x 3¹/₂" x ³/₈" complete insert for 12" rail.

Combined section modulus 41.396 in.³ per rail, RBM 4,553,560 in. lb.

Grill guard.

Bumper option — steel reinforced w/tow pin.

— Tubular w/tow pin.

ELECTRICAL

Five bullet type chrome cab marker lights.

Driving lights.

Utility spotlight.

Seven-way trailer connector at rear of frame.

AM radio with dual speakers, AM/FM radio with 8-track or cassette tape deck.

Battery isolation switches.

Four Group 5D 6-volt 180 amp. hour batteries.

Four Group 7D 6-volt 204 amp. hour batteries.

Two Group 8D 12-volt 204 amp. hour batteries.

90 amp Delco 30SI/TR alternator (mandatory with 12/24 volt systems).

AIR SYSTEM

Schedule L Brake System.

Schedule T-75 (Dump) Brake System.

Schedule L-75 (Tractor) Brake System. } Depending upon provincial laws.

Schedule CMVSS-121 Brake System.

Alcohol evaporator (N.A. with Cummins compressor).

Wagner moisture ejection valve.

Bendix Westinghouse air dryer.

Wagner wig-wag low air pressure indicator.

Dual air horns, trailer air connector.

INSTRUMENTS

Recording tachographs, Sangamo (round or rect. head, M.P.H. or R.P.M.).

Hobbs engine hour meter.

Transmission temperature gauges.

Rear axle temperature gauges.

Engine oil temperature gauge.

FUEL SYSTEM

Single 66 gallon aluminum fuel tank.

Dual 66 gallon fuel tanks, (steel or aluminum).

Single 80 gallon fuel tank, L.H. side mounted,

(steel or aluminum).

Dual 80 gallon fuel tanks, (steel or aluminum).

Fuel/water separator.

Vacuum gauge.

F-170 Luberfiner fuel filter.

CAB

National Cush-N-Aire driver's seat.

Bostrom Air Viking driver's seat.

H.D. cab mntd. mirror brkts.

Sliding rear window, rear window protector screen.

Electric right side window.

Outside sun visor.

Air conditioning.

Prestige cab interior.

PAINT

Special optional cab paint effects (single or multi-colour on base colour).

Paint to customer's specifications.

ACCESSORIES

Spring loaded mudflaps behind rear axle.

Fire extinguisher (2.5 lbs. dry type).

Set of two flags and flares.

Hydraulic jacks (12 or 20-ton capacity).

Wheel wrench and handle.