



4864 FS2

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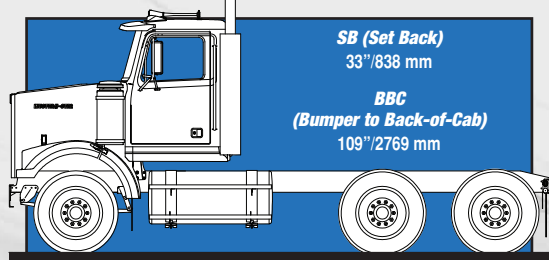
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WESTERN STAR TRUCKS®

CONSTELLATION 4864 FLEET SPEC 2



Engine Options

Detroit Diesel Series 60 EGR 430, 475, 500, 515 & 525hp.
Cummins ISX EGR 525, 550 and 600hp.

Engine Brake Options

Jacobs compression brake (for Detroit Diesel Series 60 EGR engines).
Cummins InterBrake compression brake.

Transmission Options

Eaton Fuller 13 speed overdrive manual.
Eaton Fuller RTLO-16918B to RTLO-22918B 18 speed overdrive manual Eaton Fuller.
Eaton Fuller 18 speed auto-shift.
Oil pump & Hayden cooler included; rear transmission support & oil filter. (Synthetic lube standard).

Front Axle

Meritor MFS16-122A FL1 (MFS73).
Optional FG-941.

Steering

TRW TAS-85; TRW power steering pump; 4 Quart reservoir;
508mm (18") leather 2-spoke steering wheel.

Front Suspension

1333mm (52.5") taper leaf rated at 6,622kg (14,600lb) total capacity.
Optional 1587mm (62.5") taper leaf rated at 6,622kg (14,600lb).
1587mm (62.5") taper leaf rated at 7,530kg (16,600lb).
Optional 1587mm (62.5") flat leaf extra arch with extra leaf rated at 6,622kg (14,600lb) (N/A for FS1).
1587mm (62.5") flat leaf extra arch rated at 6,622kg (14,600lb) (N/A for FS1).
1333mm (52.5") flat leaf rated at 7,530kg (16,600lb) (N/A for FS1).
1587mm (62.5") flat leaf rated at 7,530kg (16,600lb) (N/A for FS1).
Cast iron spring brackets. Threaded pins & bushings standard.

Front Brakes

WABCO Antilock Braking System (ABS).
Meritor 419mm x 127mm (16.5" x 6") 'Q-Plus'; Gunito automatic slack adjusters.
Bendix ADB22X Air Disc Front Brakes. (Not available in FS1).

Rear Axle Options

Dana Spicer Dual Drive D46-170P rear axle, 46,000lb Axle capacity (N/A for FS1).
Dana Spicer Dual Drive DDH-44P rear axle, 44,000lb Axle capacity (N/A for FS2).
Meritor RT-46 160GP R-series rear axle 46,000lb capacity (N/A for FS1).

Rear Brakes

WABCO Antilock Braking System (ABS).
Meritor 419mm x 178mm (16.5" x 7") 'Q-Plus' cam with MGM chambers, automatic slack adjusters.
Bendix ADB22X Air Disc Rear Brakes.

Rear Suspension Options

Airliner Extra Duty 40,000lb capacity rear suspension (N/A for FS2).
Airliner 46,000lb capacity rear suspension (N/A for FS1).

Main Driveline Options

Dana Spicer 1810HD main driveline with full round yokes.
Dana Spicer SOL250HD available for higher HP.
Meritor RPL25 main driveline.
Optional RPL25SD main driveline available.

Interaxle Driveline

Dana Spicer 1710HD interaxle driveline, full round yokes.
Dana Spicer SPL170HD available for higher HP.
Meritor RPL20 interaxle driveline.

Air Compressor Options

BW Model BA-921 15.9 CFM single cylinder compressor with safety valve. (Standard on Detroit engines).
Cummins 18.7 CFM single cylinder compressor with internal safety valve.

Oil Filter

Full flow oil filter.

Air Cleaner

Dual stainless steel 13" Donaldson cowl mounted air cleaners with polished stainless steel bands.
Dual stainless steel 13" Donaldson cowl mounted with inline separator and extension rams and water resistant element.

Fan Clutch

Reinforced nylon fan.
Borg Warner (Kysor) K26RA fan clutch for Detroit engines.
Horton fan clutch for Cummins engines.

Radiator

1570 square inch copper/brass radiator.

Water Conditioner

Manufacturers recommended coolant (to facilitate long life coolant programs).

Exhaust Options

Stationary cab/sleeper mounted, dual vertical exhaust with polished stainless steel exhaust shield, chromed stack & lower elbow.

Alternator

Delco Remy 12V 160 AMP, 36 SI Brushless Quadramount pad mount alternator with remote battery volt sense.
Leece Neville 12V 160 AMP, Brushless 2309 pad mount alternator.
Cummins engines only.

Batteries

Alliance Model 1131, Group 31, 12 volt maintenance-free 2775 CCA batteries with threaded studs.
Supercharge MF31-930, 12 volt maintenance-free, 950 CCA batteries with threaded studs.
Positive cab power battery shut-off switch mounted in cab outboard of driver's seat.

Starter Options

Delco 12V 42MT/OCF 450 Series starter with terminal protection for Detroit engines.
Delco 39 MT HD 12 volt starter for Cummins engines.

Clutch

Eaton Fuller 15½" Easy Pedal VCT dampened ceramic 2 plate clutch, available for engines up to 2250lb-ft torque.
Eaton Fuller 15½" Solo VCT dampened ceramic adjustment-free soft rate clutch, available for engines up to 2250lb-ft torque.

Wheels Options

Accuride 28487 22.5" x 8.25, 10-hub piloted, steel disc front wheels.
Accuride 28487 22.5" x 8.25" 10-hub piloted, steel disc rear wheels.
Optional Alcoa Wheels available.

Oil Seals

Chicago Rawhide (Scotseal) Plus XL front & rear oil seals.

Overhang

1473mm (58").

Frame Option

5/16" x 105/8" single 172" to 220" wheelbase.
3/8" x 103/4" single 172" to 238" wheelbase (N/A for FS1).

Front Engine Crossmember

Steel.

Front Bumper

16" Chromed steel bumper.

Cab Front Supports

Iron.

Rear Cab Crossmember

HD "C" channel steel with air bags & shock absorbers.

Intermediate Crossmember

Tubular steel.

Rear Suspension Crossmember

Butterfly steel.

Rear Frame Crossmember

Tractor taper optional squared EOF.

Front Bumper

16" Chromed steel bumper.

Air Dryer

CR Brakemaster Turbo 2000 air dryer with heater.

Air Tank Drain

Bendix Westinghouse DV-2 auto moisture ejector without heater to wet tank-drain valves on all other tanks.

Air Tanks

Steel in rail.

Fuel Tank Options

378 litre (23" diameter) tanks; heavy duty polished stainless steel straps;
EquiFlo Inboard Fuel System.
Optional 378 litre to 567 litre (23/25" dia.) tanks available.

Battery Box

Steel (3) battery size box mounted along side of rail.
Optional Aluminium (3) battery size box mounted between rails.

Cab Shell & Doors

ECE-R29 conforming cab.
E-Coated galvanised severe service 109" BBC steel cabs with aluminised wax rustproofing; welded construction; exterior fibreglass sunvisor; aluminium cab skirts; stainless sill plates.

Steps

Polished aluminium; safety grip on fuel tanks.

Bonnet & Fenders

Sloped tilt fibreglass hood with stainless steel grille bezel with insect screen; radiator mounted aluminium grille; mudflaps behind front tyres.

Insulation

Full cab & firewall insulation; cab undercoating;
barium/ceramic/foam insulation to floor & toeboard.

Grab Handle

LH & RH exterior grab handles mounted to cab and LH & RH interior grab handles mounted to A-post.

Mirrors

Dual stainless steel primary mirrors, heated with lights (options include electronic or manual); door mounted; Dual (LH/RH) 152mm (6") stainless steel convex auxiliary mirrors mounted under primary mirrors, optional 203mm (8") convex mirrors & 102mm x 229mm (4" x 9") LH mounted downview mirror standard.

Horns

Dual rectangular Hadley 660mm (26") air horns with shields;
single tone electric horn.

Headlamps

Dual 178mm (7") round headlamps.

Tail Lamps

Dual stop, tail, turn & reversing lamps.

Marker Lamps

5 amber chrome rectangular.
2 amber chrome rectangular if roof mounted condenser fitted.

Courtesy Lamps

Under dash & in both doors.

Switches

Optional three spare accessory switches; wiring & relay for bull lights available.

Trailer Air Valves

Hand control valve; tractor protection valve; light connections, all behind cab or optional EOF.

Windows

Clear laminated 2 piece windshield; 1 piece also available as Australian fit option; tinted safety glass side & rear; powered LHS door window.

Heater/Defroster

13.2kW (45,000 BTU) fresh air intake.

Air Conditioning

Integrated with radiator mounted condenser.
Optional Red Dot Roof mounted air conditioning condenser.

Interior Trim

Mesa vinyl upholstery package with diamond stitching on door panels, headliner & back panel. Overhead console with storage area on passenger side, windshield post covers, ABS upper door panels; dual interior sunvisors with pocket; moulded overhead console with passenger side storage area; side window defrost ducts & integrated arm rests; colour-keyed carpet on lower door; rubber floor mats; Document pouch mounted on back wall between seats.

Driver's Seat

National 2000 high back: 3-point retractor seat belt; driver's seat armrests optional.

Passenger's Seat

Tubular frame, fixed mount; 3-Point retractor seat belt.
Options include National 2000 seats.

Instrument Panel

Black panel standard; Optional 'Woodgrain' in Burl Elm simulated & Royal Rosewood also available.

Instruments & Gauges

Metric primary & secondary air pressure gauges, low air buzzer & lamp, fuel gauge, voltmeter, engine coolant temperature, oil pressure, engine oil temperature, exhaust temperature, rear axle oil temperature, transmission oil temperature, 89mm (3½") diameter speedometer/odometer & 89mm (3½") electronic tachometer with hour meter, Datastar, black bezel gauges standard with silver and gold bezel finishes optional.

Paint

White PPG acrylic urethane to cab & hood; red chassis, silver rims (options include custom paint).

Tyres & Wheels

Front tyres: Goodyear Marathon 295/80R 22.5" 16 ply.
Rear tyres: Goodyear G182 11R22.5" 16 ply.
Front rims: Accuride Accu-Lite 22.5" x 8.25" steel.
Rear rims: Accuride Accu-Lite 22.5" x 8.25" steel.
Tyre options include Bridgestone and Michelin.
Steel and aluminium disc wheels available.