



STERLING LT9500 HX

SPECIFICATIONS



Vehicle shown with options available at extra cost.

LT9500 HX

PLATING

GVM (kg) 24,000
GCM (kg) 46,000 up to 81,000 - refer to chart for applicable specifications

ENGINE

Mercedes-Benz MBE4000

370 hp (276 kW) @ 2,000	1,350 lb-ft (1,830 Nm) @ 1,100	S	
410 hp (306 kW) @ 2,000	1,450 lb-ft (1,966 Nm) @ 1,100		O
450 hp (336 kW) @ 2,000	1,550 lb-ft (2,100 Nm) @ 1,100		O

Single LH vertical muffler, frame mounted
MB Compression & Exhaust brake
Compressor Wabco 15.5 CFM

Detroit Diesel Series 60 12.7

400 hp (298 kW) @ 2,100	1,450 lb-ft (1,966 Nm) @ 1,200		O
430 hp (320 kW) @ 2,100	1,550 lb-ft (2,100 Nm) @ 1,200		O
430 hp (320 kW) @ 2,100	1,650 lb-ft (2,237 Nm) @ 1,200		O

Single horizontal muffler with LH cabin mounted outlet
Dual cabin mounted outlets
Jacobs Engine brake
Compressor Bendix 16.5 CFM Series 750

Detroit Diesel Series 60 and MBE4000

Bendix AD-IS DRM air dryer
Horton HT/S Advantage Fan clutch
Gates Blue Stripe radiator hoses
Radiator 7,742 cm²
Air cleaner Donaldson 356 mm Cyclopac with two stage dual element
Chrome upper stacks, elbows and clamps

CLUTCH

Eaton Fuller twin plate 394 mm VCT PLUS with ceramic disc
Eaton Fuller twin plate 394 mm Solo VCT with ceramic disc, standard with AutoShift

TRANSMISSION (EATON)

RTLO 14913A (13-speed)	S	
RTLO 16913A (13-speed)		O
RTLO 14918B (18-speed)		O
RTLO 16918B (18-speed)		O
RTLO 18918B (18-speed) includes Synthetic lube		O

AutoShift

Transmissions with Sterling SmartShift™ control and Solo clutch
RTO 16910B-AS2
RTLO 14918A-AS2
RTLO 16918A-AS2
RTLO 18918A-AS2
Transmission Air to Oil cooler and external oil filter
Alloy clutch housing

ELECTRICAL

Alternator - Leece-Neville 160 amp brushless
Battery - 4 x 12 volt 2800 CCA, located at back of cab mounted inside frame rail

FRONT AXLE

Meritor MFS 13-143A - Capacity 6,050 kg	S	
Meritor MFS 14-143A - Capacity 6,668 kg		O
Note: With THP-60 Steering gear the ground rating is limited to 6,250 kg		
Oil-filled hubs	S	
Steelite X30 front brake drums		O

STEERING

TRW THP-60 steering gear - Ground rating 6,250 kg	S	
TRW TAS-85 steering gear - Ground rating 6,668 kg		O

FRONT SUSPENSION

Taper-leaf spring - Capacity 6,620 kg	S	
Taper-leaf spring - Capacity 7,258 kg		O

REAR AXLE

Meritor RT40-145GP - Capacity 18,100 kg	S	
Meritor RT46-160GP - Capacity 20,900 kg		O
Meritor RS23-161 4x2 - Capacity 10,435 kg		O
Meritor RS23-186 4x2 - Capacity 10,435 kg		O
Driver Controlled Differential Locks		O
Meritor X30 Steelite brake drums (only with disc wheels)		O
Aluminium rear hubs with disc wheels	S	

DRIVELINE

Spicer 1810 HD (1710 inter-axle)	S	
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REAR SUSPENSION

Sterling AirLiner™ Extra Duty 40K	S	
Sterling AirLiner™ 46K		O
Hendrickson Primaax PAX 460 46K *		O
Sterling Airliner™ 23K 4x2		O
Sterling TufTrac™ 40K steel leaf *		O
Sterling TufTrac™ 46K steel leaf *		O
Dual height control valves		O
* Includes cabin air suspension		

BRAKES

Dual circuit air system with S cam brakes, Auto slack adjusters and spring park brake. Front Meritor Q Plus 419 x 127 mm (16.5" x 5") Rear Meritor Q Plus 419 x 178 mm (16.5" x 7") - Total lining area 7,703 cm ² Wabco ABS Anti-lock brakes Wabco ABS Anti-lock brakes with Traction control	S	
		O
		O

FRAME

8.7 x 88.9 x 258.8 (11/32" x 3-1/2" x 10-3/16") Steel frame - Section modulus: 253 cm ³ per rail 8.7 x 88.9 x 277.8 (11/32" x 3-1/2" x 10-15/16") Steel frame - Section modulus: 282 cm ³ per rail	S	
		O

Frame Insert

6.35 mm (1/4") C-channel insert at rear suspension only - Section modulus: 431 cm ³ per rail 6.35 mm (1/4") C-channel full length insert - Section modulus: 431 cm ³ per rail Frame yield strength: 827 MPa Back-up reversing alarm Front tow hooks	S	
		O
		O

FUEL TANKS

Round aluminium tanks, 25 inch diameter with aluminium mounting brackets and equiflo fuel distribution system	S	
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Forward Tanks

265 litre dual		O
302 litre dual		O
378 litre dual	S	
492 litre dual		O
568 litre dual		O

Auxiliary Tanks

378 litre dual		O
454 litre dual		O
Stainless steel tank straps		O

WHEELS/RIMS

Steel disc, 10 stud 285 mm PCD, 8.25 x 22.5	S	
Polished aluminium disc, 10 stud 285 mm PCD, 8.25 x 22.5		O
Dura-Bright aluminium disc, 10 stud 285 mm PCD, 8.25 x 22.5		O
6-spoke cast iron - 8.25 x 22.5" silver rim		O
Spare wheel/rim (Dealer option)		O

		STANDARD	OPTIONAL
TYRES			
Steer Michelin XZE-2	11R 22.5	S	
Michelin XZE-2+	295/80R 22.5		O
Drive Michelin XDE-2+	11R 22.5	S	
Michelin XZE-2	11R 22.5		O
CAB FEATURES			
Interior Equipment			
Sahara interior colour with Graphite Black cloth trim, moulded vinyl door trim panels, map pockets and courtesy lamps, cloth trimmed headliner and vinyl/carpet trimmed back panel with storage net.		S	
Floor mat, dark taupe vinyl.			
Cabin noise and heat insulation			
Sterling Round Gauge Package - includes; tachometer, speedometer, odometer, trip odometer, hour meter, engine oil pressure & temp, water temp, primary & secondary air pressure gauges, low air buzzer, voltmeter, warning lamps module, air restriction gauge, rear axle temp, transmission temp		S	
Woodgrain dash package includes: bright bezel gauges, small face pyrometer and leather wrapped steering wheel			O
Automatic self reset electrical circuit breakers		S	
Two valve parking brake system with indicator & safety lock			
3-point lap/sash seat belts with adjustable D-ring			
Ashtray and cigar lighter			
Sterling EzyRider® high-back driver seat with air suspension, lumbar supports and armrests with fixed high-back passenger seat and under seat toolbox		S	
Sterling EzyRider® high-back passenger seat with air suspension, lumbar supports and armrests			O
Adjustable tilt steering column and steering wheel with integrated cruise control switches		S	
Two way sunvisors with integral side sections		S	
Integral Air Conditioning, defroster, heater and fresh air ventilation			
Radio preparation kit - with two speakers and antenna			
Power Pack (mirrors, locks & windows)			O
Between seat console with coin tray and CB bin			O
Exterior Equipment			
Conventional steel cab, 113" (2,870 mm) bumper to back of cab		S	
Dual assist handles		S	
Round Aero halogen headlights, 60/55W		S	
Front turn signals and parking lights			
Tail lights with integral stop, turn, back up and licence plate lights			
Stainless steel brackets with spring return for tail lamp and mudflaps		S	
Pruitsman stainless steel mirrors (heated) with 140 mm diameter auxiliary convex mirrors and width lights		S	
Single electric windshield wiper motor with delay, washers on arms, 8 litre reservoir		S	
External sunvisor and cab roof marker lamps - 5 off		S	
Dual air horns with single base and separate electric horn		S	
Silver metallic grille painted with grey steel bumper		S	
Cabin air suspension			O
Chrome package: chrome, grille headlight surround and aluminium bumper			O
Wheel nut wrench (Dealer option)			O
TRACTOR PACKAGE			
Fifth wheel angles, tapered rear end of frame		S	
Air and electrics lines to rear of cabin			
12' coiled trailer brake hose with spring hose hanger			

MASS DATA (kg)	Standard Specs, No Fuel.		
LT9500	FRONT	REAR	TOTAL
WB 4475 mm	3,788	3,080	6,868
ENGINE	S60 12.7L		218
TRANSMISSION	RTLO 14/18918B		34
	RTO 10910B-AS2 AutoShift		(22)
	RTLO 14/18918A-AS2 AutoShift		18
	Alloy clutch housing		(25)
FRONT AXLE	TRW TAS-85		14
	Steelite X30 brake drums		(18)
FRONT SUSPENSION	Taper-leaf spring - Capacity 7,258 kg		27
REAR AXLE	Meritor RT46-160GP		172
	Steelite X30 brake drums		(27)
REAR SUSPENSION	AirLiner™ 46K		132
	Hendrickson Primaax PAX 460 46K		91
	TufTrac 40K		132
	TufTrac 46K		204
FUEL TANKS	492 litre dual		10
	568 litre dual		14
	Auxiliary 378 litre dual		52
	Auxiliary 454 litre dual		60
WHEELS	Aluminium disc		(142)
	6-spoke cast iron		158

Kerb mass is for the standard vehicle and includes all fluids, less fuel, less driver and passenger. Kerb masses are calculated and subject to variation. For further details regarding the mass of options please discuss with your authorised Sterling Dealer.

RATING GUIDELINES						
GCM (kg)	46,000	46,000	50,000	57,000	70,000 (d)	81,000 (e)
					B-Double	Road Train
Axle Configuration	4X2	6X4	6X4	6X4	6X4	6X4
Engine Torque (lb-ft)	1450 (f)	All	All	1650 >	1650 >	1650 >
Rear Axle Type	RS23 161	All (a)	All (b)	RT46 160GP	—————>	
Rear Axle Ratio	All	All	All	4.30 >	4.30 >	4.30 >
Suspension	23K	All	All	46K	46K	46K
Transmission	All	All	All	18 series > (c)	—————>	

(a) RT40-145GP restricted up to 470 hp and 1650 lb-ft engines (b) RT40-145GP restricted up to 430 hp and 1450 lb-ft engines (c) Transmission selected must be one series higher than engine torque specified (d) Only up to 8% gradients - ABS brakes mandatory (e) Only up to 5% gradients. (f) Engines with 1650 require RS23 186 Custom wheelbases may effect frame selection and will be assessed on application.

RATIO SELECTION GUIDE					
	REAR AXLE RATIOS				
Transmission	4.11	4.33	4.56	4.63	4.89
	4.10	4.30	-	-	4.88
	Engine rpm @ 100 km/h (11R 22.5 tyres)				
0.73 Overdrive	1560	1644	1730	1757	1855
13 and 18 Speed					
Recommendations	50	50	70/81	70/81	70/81 Tonne
Road speed is electronically limited to 100 km/h.					



DaimlerChrysler Australia/Pacific Pty Ltd offers a 2-year/unlimited km driveline Warranty on transmission, driveshafts and driving axles.

For full Warranty details and limitations contact your authorised Sterling Dealer. Specifications and information referred to herein is correct at the time of publication. Some of the equipment depicted either on vehicle illustrations or separately may be non-standard or optional at extra cost.

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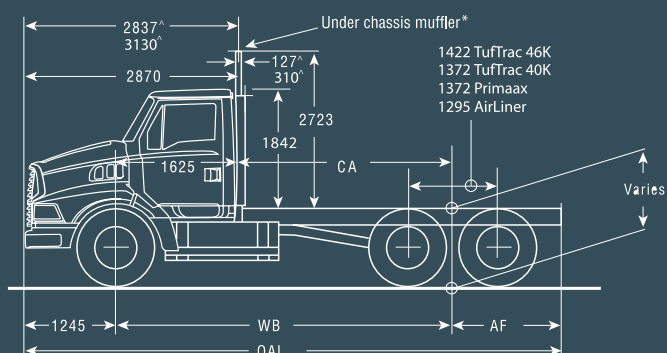
Consult your authorised Sterling Dealer for the latest details on specifications, options, prices and availability.

DIMENSIONS (mm) LT9500 HX

Wheelbase					Turning circle (m)	
	CA	AF	OAL		Kerb-to-Kerb	Wall-to-Wall
4125	2500	1425	6795		13.2	14.6
4475	2850	1425	7145		13.7	15.1
4825	3200	1425	7495		14.9	16.5
4975	3350	1425	7645		15.4	17.0
5275	3650	1425	7945		16.3	17.9
Chassis width		864				
Ground clearance		234				
Maximum width front fender		2428				
Maximum width rear axle		2436				
Track rear axle		1834				
Exhaust pipe location - LHS		1134	(from centre line of chassis to pipe)			

*Under chassis muffler fitted with Detroit Diesel Series 60

^Vertical muffler fitted with Mercedes-Benz MBE4000



Note: drawings are general arrangement drawings only and should not be relied upon.

Contact your authorised Sterling Dealer for details if required.

Your authorised Sterling Dealer is:

www.sterlingtrucks.com.au

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