

Boss 1218



TECHNICAL SPECIFICATIONS

ENGINE	HA6ETI3U 6 Cylinder Turbocharged Intercooled Diesel			
Bore x Stroke	Ø 104 x 113 (mm)			
Displacement	5759 cc			
Max. output	180 HP (132 kW) @ 2400 rpm			
Max. torque	67 kgm (660 Nm) @ 1400-2000 rpm			
Emission	Euro III			
Air filter	Fleetguard with primary & safety element			
Fuel filter	Fleetguard fuel filter cum water separator			
Fuel tank capacity	208 litres plastic tank			
Cooling type	Pump circulated, thermostat controlled pressurised cooling with de-aeration tank			
CLUTCH	Air boosted hydraulic 380mm diaphragm clutch			
GEAR BOX	ZF S6-36-6 speed synchromesh with overdrive			
	I - Gear	II - Gear	III - Gear	IV - Gear
	6.93	3.79	2.36	1.51
	V - Gear	VI - Gear	Reverse	
	1	0.84	6.22	
PROPELLER SHAFT	SPL 100			
No. of shafts	For 4500 WB - 2 nos. & 5100 WB - 3 nos.			
REAR AXLE	Fully floating single speed hypoid gear			
Axle capacity	8200 kg			
Axle ratio	3.73 :1			
FRONT AXLE	Forged 'I' section reverse Elliot type			
Axle capacity	4200 kg			
FRAME	Bolted construction constant width over chassis			
Frame dimensions	204 x 63 x 7mm			
SUSPENSION	Parabolic leaf springs with ARB			
Shock absorber	Double acting telescopic type			
STEERING	ZF integral power assisted recirculating ball type			
Drive	Right hand drive / Left hand drive			
WHEELS & TYRES	2 nos. in front, 4 nos. in rear & spare 1 no.			
Rim size	19.5 x 6.75			
Tyre size	245 / 70R19.5			
BRAKES	Full air dual line caliper operated disc brake			
Parking brake	Spring actuated pneumatic on rear only			
Additional	Exhaust brake			
ELECTRICAL SYSTEM	24V			
Battery	110 Amp.hr -2x12 V			
Alternator	100 Amps			
Starter motor	4.5 kW 24V			

PERFORMANCE DATA

Max. speed in top gear	117 kmph
Max. gradeability	29%
WEIGHTS(kgs)	4500 WB 5100 WB
Front axle	2588 2613
Rear axle	1482 1497
Unladen	4070 4110
GVW	11990

MAJOR DIMENSIONS (mm)

Wheel base	4500 5100
Front overhang	1225 1225
Rear overhang	2020 2420
Overall length	7745 8745
Overall width	2297 2297
Overall height	2520 2520
Front track	1845 1845
Rear track	1740 1740
Frame width	854 854
Min ground clearance	200 200
Turning circle diameter	14.8 m 16.6 m
Angle of approach	18.3° 18.3°
Angle of departure	14.2° 12.7°
Loading span (ft)	18 21

FEATURES	Suspended tiltable day cabin with HVAC as optional
	Telescopic tiltable steering

Variants available: LE and LX

For LX variants air-conditioned cabin and AMT will be inbuilt