

**CASE**  
CONSTRUCTION

# CASE 1107

VIBRATORY COMPACTOR



*We make machines that build the nation*

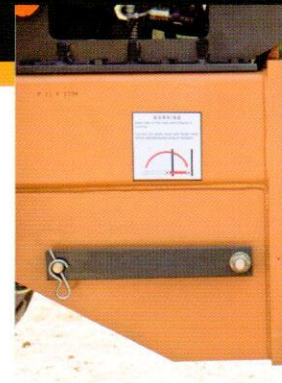




*Heavy duty frame*



*32 mm drum shell thickness  
for rockfill compaction*



*Heavy duty axle*



*Well ventilated  
engine compartment*



*Well protected cooler*

## CASE FEAT



*Pad foot drum for clayey soils*



*World class components*



*Easy serviceability*



*Isolation*







Articulation joint



Well located working lights



Drum drive option

# E 1107 URES



Excellent aesthetics



Excellent rear visibility



ated operator's platform



Turbo pre-filter (Optional)



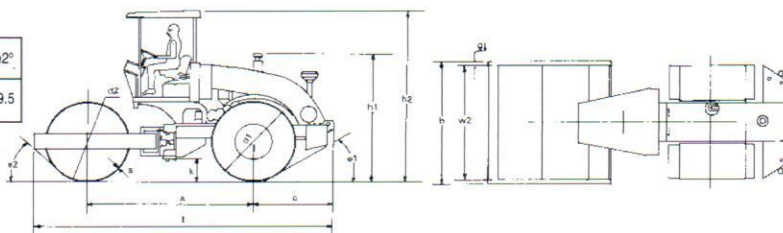
Excellent front visibility





## Machine Dimensions

1107	a	b	c	d1	d2	h1	h2	k	l	01	s	w2	e1°	e2°
mm	3000	2300	1382	1528	1500	2472	3150	375	5344	75	32	2150	38	39.5



## TECHNICAL SPECIFICATIONS

PARAMETERS		SPECIFICATIONS					
Models	1107 STD		1107 D		1107 PD		
Engine	HA 694TCI BS-III						
Make	KOEL						
Type	6-Cylinder, Inline-4 stroke, Turbo Charged, After Cooled, Direct Injection, Air Cooled Engine						
Power	102 HP @ 2500 RPM BS-III						
Displacement	5652 cc						
Maximum Torque	360 Nm @ 1500 RPM						
Bore X Stroke	100 mm X 120 mm						
Electric System	12 V, 135 AH Battery & 55 A Alternator						
Propulsion	Infinitely Variable Hydrostatic Drive with Variable Disp. Pump Driving Motor Mounted on Rear Axle Input Shaft		Infinitely Variable Hydrostatic Drive with Variable Disp. Pump Driving Single Displacement LSHT Motor Mounted on Drum and HSLT Motor Mounted on Rear Axle Input Shaft				
Vibration Drive	Hydrostatic, Frequency Selection Through Electrical Switch						
Operating Data							
Operating Weight W/O Operator (Kgs. )	11300		11300		12300 (Segmental Kit)		
Front Axle Load (Kgs.)	6450		6450		7700		
Rear Axle Load (Kgs.)	4850		4850		4600		
Static Linear Load Front (Kgs./cm)	30		30		-----		
Vibration System							
Vibration Stage	1	2	1	2	1	2	
Frequency (Hz)	31	34	31	34	30	34	
Amplitude (mm)	1.8	0.8	1.8	0.8	1.2	0.7	
Centrifugal Force (Kgs.)	27965	16186	27930	16186	26190	16186	
Max. Applied Force (Kgs.)	34415	22636	34380	22636	33890	23886	
Driving							
Working Speed	0-6 kmpH						
Working & Transport Speed	0-12.5 kmpH						
Gradeability	31% (17)°		36% (20)°-- Continuous & 40% (20)°-- Intermitant				
Steering							
Steering System	Articulated Hydrostatic Steering						
Steering Angle	37° On Either Side (74° Between Stop to Stop)						
Turning Radius	3.45 M						
Drum Oscillation Angle	15°						
Tyre Size	23.1-26-12 PR Tubeless						
Drum Shell Thickness	32 mm		32 mm		32 mm		
No. of Pads	----		----		144, Contact Area: 413 sq.cms.		
Refilling Capacity							
Fuel Tank	235 litres						
Hydraulic Tank	70 litres						
Engine Crank Case	11.4 litres						
Brakes							
Service Brakes	Hydrostatic						
Parking Brakes	Spring Applied, Hydraulic Release						
Filters							
Air Filter	Dry type with dual element						
Fuel Filter	Spin-on Type						
Hydraulic Oil Filter	Cartridge						
Engine Oil Filter	Spin-on Type						
Standard Features	Sun Roof, Horn, Front and Rear working lights						
Safety Features	MCB Protection, Auto Engine Cut-off in case Belt failure						
Indicators	Neutral, 2-Speed, Battery Charging, Low LOP, Air Filter Clog, Parking Brake, Fan Belt Failure						
Gauges	LOP, LOT, Service Hour Meter						
Optional	Differential Lock, Fully Enclosed Cabin, Heavy Duty Battery, Cold Starting Kit, Analyser and Turbo Pre-filter & Compaction meter						

ALL PARAMETERS ARE WITHIN + 2.5% OF THE SPECIFIED VALUES.

# CASE

## CONSTRUCTION

For further information, please contact:

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Specification subject to change without notice due to product upgradation