

NETWORK



STRENGTH YOU CAN TRUST

MARKETING H.Q.

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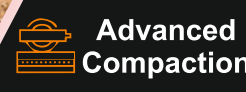
FSD 124/115

Soil Compactor

11-12 TONNES CLASS
HIGH STATIC LINEAR LOAD



for all terrains



for superior performance



High visibility operator station



47" (120mm) Drum width

BUILT FOR RUGGED PERFORMANCE

Conquer the toughest job sites with unmatched soil compaction power and operator comfort.

QR Code

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Toll Free Number: 1800-1800-004

Dealer Contact :
www.forma-international.com

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Soil Compactors

FSD Series

SPECIFICATIONS	UNIT	FSD 115			FSD 124		
		STD	DD	PD	STD	DD	PD
WEIGHTS							
Max. Operating Weight	Kg	11000	11100	11900	12000	12200	13000
Drum Module Weight	Kg	6500	6600	7400	7400	7600	8400
Tyre Module Weight	Kg		4500			4600	
Static Linear Load	Kg/cm	30.52	30.98	34.74	34.74	35.68	39.43
No. of Pads		-	-	120	-	-	120
Pad Height	mm	-	-	100	-	-	100
Pad Area	cm ²	-	-	146	-	-	146
VIBRATION							
Amplitude (High/Low)	mm		1.85/0.8			1.80/0.8	
Frequency (High/Low)	Hz		40/33			40/33	
COMPACTION FORCE							
Centrifugal Force (High/Low)	KN		254/176			312/212	
Total Applied Force (High/Low)	Ton		32/24			38/28	
TRACTION							
Gradeability	%	45%	55%		37%		44%
Oscillation Angle	deg				+/- 10		
Tyre Size					23.1x26 (12PR)		
STEERING							
Type					Hydrostatic steering		
Articulation Angle	deg				+/- 37		
Turning Radius	mm				3950/6050		
ENGINE							
Model/Type			Kirloskar 105 HP, BS-III, 4 Cylinder water cooled turbo charged Diesel Engine				
Rated Power			105 HP/ 98 kW @ 2200 rpm				
HYDRAULIC & PROPULSION SYSTEM							
Drive			Hydrostatic drive, infinitely variable planetary axle with limited slip differential				
Working/Travel Speed	Km/hr		0-29				
Travel			Variable displacement axial piston pump and constant displacement motor				
Vibration			Variable displacement axial piston pump and constant displacement motor				
Steering			Gear pump with constant displacement				
Service Brake			Closed loop hydrostatic brakes on forward/reverse lever				
Parking Brake			Spring applied/hydraulically released multi disc brake mounted on the drum drive gear reducer & within rear axle				
ELECTRICALS & REFILL CAPACITIES							
Electrical System			12V - 150 AMP, DC				
Fuel Tank Capacity	ltrs		315				
Hydraulic Tank Capacity	ltrs		80				
Sump Capacity	ltrs		13.5				
Adblue	ltrs		20				
Coolant	ltrs		13				

Technical Parameter



Engine

Powerful Kirloskar Engine generating 105 HP @ 2200 rpm meeting BS III Emission norms. High Torque, Fuel Efficient and High performance engine for any type of application.



Static Linear Load (Drum Weight)

High Drum weight ensures Higher Static Linear Load for best compaction with minimum no. of passes.



Service Comfort

Newly designed engine hood providing easy access from ground level for daily maintenance checks and serviceability.



Visibility

Good all around visibility (1 meter by 1 meter) provides safe and efficient operation.



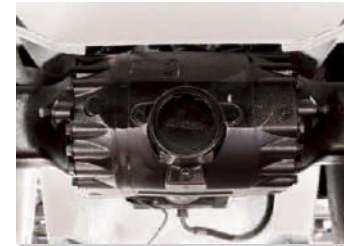
Electricals

Ergonomically placed instrument cluster comprising of Engine oil pressure, Water temperature, Fuel gauge, RPM & Hour meter. Sealed electrical connectors provide protection against dust & moisture.



Tyre

Heavy duty tyre of size 23.1x26, 12 ply rating. Ensures adequate tyre life.



Axle

Heavy duty rear axle with limited slip differential for smooth torque transfer suitable for tough Indian working conditions. Provides two speed range for fast inter site movements.



Frequency

Dual Frequency generates 40/33 Hz (vibrations per seconds) on high & low modes respectively. Ensures better and faster compaction on different layers & thickness.



Operator Comfort

Vibration proof operator platform for minimum fatigue during long working periods. Adjustable operator seat, lockable console cover, rear view mirror and large canopy for ease of operation.

Optional



- Drum drive offers better traction and compaction in loose soil condition and hilly areas.



- Pad foot drum ideally suited for compacting soils with high clay content.



Hydraulics

Closed loop, high pressure hydraulic system ensures high productivity with better performance and reliability.



Amplitude

Dual amplitude mode of 1.85/0.8 mm generates greater force and results in quick compaction for different material & layers.



Gradeability

High Gradeability of 45% makes it effective under high gradient & low traction surfaces.



Centrifugal Force

High centrifugal force helps in unmatched performance and high productivity in minimum possible time.

Key Features



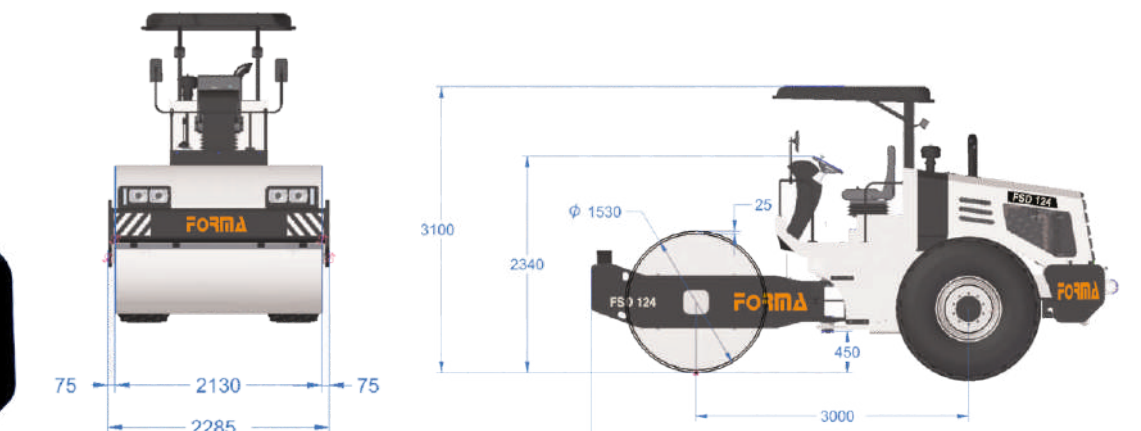
Structure

High Strength & Durable Structural parts for better reliability and longer life.



Vibration Pads

16 nos. of vibration pads installed on drum for shock absorption. Ensures minimal vibration transfer to operator platform.



Dimensions in mm

	A	B	D	H	H1	K	L	O	S	W
FSD115	2980	2285	1530	2340	3100	450	5400	75	25	2130
FSD124							5720		32	