

ACE COMPACTOR

Soil Compactor

Operating Weight : 11-12 Tonnes Class
High Static Linear Load

ACE INDIA'S NO. 1
CRANE BRAND

CEV
STAGE V





Soil Compactors

ASD Series

SPECIFICATIONS	UNIT	ASD115			ASD124		
		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	cm²	–	–	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		Mahindra MCVNC35TI112CE5, CEV BS V, 4 Cylinder water cooled turbo charged Diesel Engine					
Rated Power		112 HP/ 83.5 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 Mahindra Engine generating 112 HP @ 2200 rpm meeting CEV Stage-V 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.



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.



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

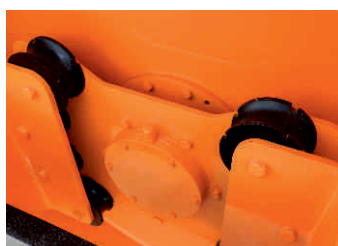
High centrifugal force helps in unmatched performance and high productivity in minimum possible time.

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.



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.



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.





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.

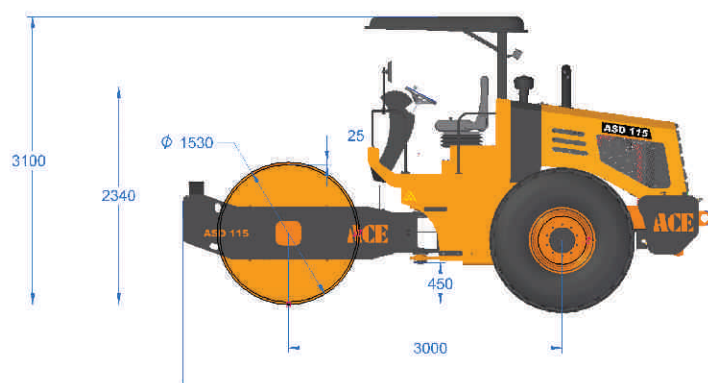
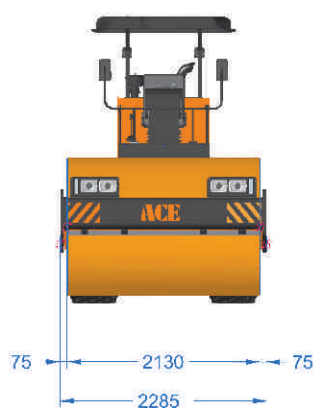
Optional



- 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.



Dimensions in mm

	A	B	D	H	H1	K	L	O	S	W
ASD115	2980	2285	1530	2340	3100	450	5400	75	25	2130
ASD124							5720		32	

A horizontal row of various construction equipment, including cranes, excavators, and trucks, displayed against a white background.



Legend:

- WORKS
- REGIONAL OFFICES
- AREA OFFICES
- SALES AND SERVICE DEALERS



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ACE

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ACE reserves the right to alter any specifications without prior notice. Dimensions, weights & capacities mentioned herein are variable by $\pm 5\%$. Accessories if shown are not part of the Standard Equipment.