

ACE

Rollers

Vibratory Rollers

Capacity : 3.5 - 15 Tons

High Performance and rugged
soil and asphalt compactors.

ACE INDIA'S LEADING
MOBILE CRANE COMPANY

- Higher Applied Force
- Single Joystick Operation
- Increased Gradeability
- Water Cooled, High Torque,
Bharat Stage-II Engine
- Reduced Fuel Consumption
- Multiple Frequency Settings



*Nothing beats an **ACE***

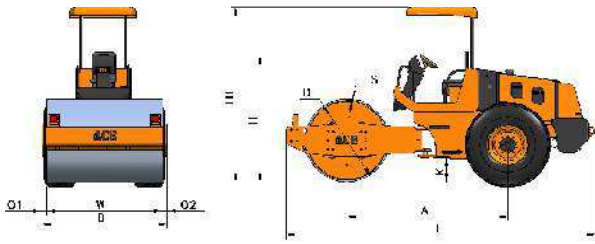
Soil Compactors

ASD Series

Specifications		ASD110				ASD125				ASD156	
		STD	DD	PD		STD	DD	PD	DD	PD	
Weights											
Operating weight incl. Canopy	Kg.	10400	10600		10800	12150	12350			15600	
Drum Module Weight	Kg.	6200	6400	6600		7300	7500			9000	
Tyre Module Weight	Kg.	4200				4850				6600	
Traction											
Speed Range Working / Traveling	Km/Hr.	0-8.4/0-29	0-6.8/0-13.2			0-8.4/0-29	0-6.8/0-13.2			0-6/0-14	
Number of Pads		-	-	140		-	-	140		-	140
Pad Height	mm	-	-	100		-	-	100		-	100
Pad Area	cm ²	-	-	146		-	-	146		-	146
Oscillation Angle	Deg		±10								
Tyre Size (12 Ply)			23.1 - 26								
Gradeability	%	45	65			37	55			45	
Steering											
Type		Hydrostatic steering with steering wheel and knob, provision for emergency steering for towing the vehicle									
Articulation Angle	Deg	±37									
Turning Radius (inner / outer)	mm	3950 / 6050				3950 / 6050				4250 / 6350	
Compaction											
Static Linear Load	kg/cm	29.10	30.05	-		34.27	35.21	-		40.54	-
Nominal Amplitude, high / low	mm	1.85 / 0.8				1.83/0.86				1.78 / 0.92	
Vibration Frequency, at high amplitude *	Hz	28	30	30	30	33	28	30	30	30	33
Vibration Frequency, at low amplitude *	Hz	28	30	33	40	40	28	30	33	40	40
Centrifugal Force, at high amplitude	KN	183	210	210	210	254	224	258	258	258	312
Centrifugal Force, at low amplitude	KN	86	99	120	176	176	104	119	144	212	212
Dynamic Linear Load, at high amplitude	kg/cm	117	130	130	130	151	142	158	158	158	183
Dynamic Linear Load, at low amplitude	kg/cm	70	76	86	113	113	84	91	103	136	136
Total Applied Force (Max.)	kgs	32091	32291	-		39104	39304	-		45187	-
Engine											
Model / Type - Water Cooled Diesel Engine		Kirloskar, 4R1040T / 4 Cylinders, turbo charged engine.									Kirloskar, 6R1080NA 6 Cylinders Engine
Rated Power, SAE J1995 at 2200 RPM	KW/HP	78 (105)									84 (112)
Fuel Tank Capacity	Ltr	315									370
Drive		Hydrostatic drive, infinitely variable, planetary axle with no-spin differential.									
Hydraulic System											
Hydraulic tank capacity	Ltr.	80									
Travel		Variable displacement axial piston pump and bent axis motor at rear+ constant displacement motor on drums in DD & PD									
Vibration		Variable displacement axial piston pump and fixed 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.									
Electrical System		12V, negative earth system with 130 amp-hr battery									

*Frequency can be adjusted at any value between @ 28 Hz and 40 Hz to get optimum compaction performance as per compaction application requirements.

Courtesy of Machine.Market



Dimensions in mm

	A	B	D	H	H1	K	L	O1	O2	S	W
ASD110	3000	2280	1530	2340	3050	480	5400	75	75	25	2130
ASD125							5600			32	
ASD156	3100	2350	1600	2370	3110	460	6200	65	65	40	2220

Standard Equipment

- Hydrostatic travel and vibration drives
- Articulated joint lock
- Hydrostatic articulated steering
- Rear axle with spring applied hydraulically released (SAHR) brakes
- Limited slip differential
- Hour meter and RPM meter
- Warning Horn
- Fuel Gauge
- Audible / Visual warning indicator
 - Engine Oil Pressure
 - Engine Water Temperature
 - Hydraulic Oil Temperature
 - Hydraulic Filter
 - Air Cleaner Vacuum
 - Brake Control
- Suspension rotary driver seat with arm rest, adjustable for position and height
- Steel Scrappers
- Back-up alarm
- Brake release system for towing
- FRP Canopy
- Neutral start switch
- Rear work light
- Electrical disconnect switch
- Lockable Tool Box
- Spring suspended operator platform and access from both sides

Optional Equipment

- Standard ROPS Cabin
- Windscreen wiper front/rear, and mirrors outside/inside
- Cab heating / Air conditioning
- Lockable control panel
- Fog Lamps
- Pad foot segment kit
- Safety belt
- Dozer Blade



- The engine bonnet lifts easily with the help of gas spring providing easy, ground level access for daily maintenance checks including battery, fuel and air filters, oil level dipstick and cooling system.
- All fluid levels can be checked from ground level.
- Easily removable grill ensures convenient serviceability.



1. Engine

- ACE Compactors are fitted with turbo charged engine assuring no power loss (Dearation) at higher altitudes.
- Improved fuel economy, meeting Bharat Stage-II (CEV) engine emission norms.
- Water cooled engine for tough Indian conditions
- Adequate size fuel tank ensures full day operation without stoppage.



2. Driveline

- Hydrostatic and infinitely variable drive.
- Heavy duty rear axle with a limited slip differential for smooth & quiet torque transfer and suitable for tough Indian working conditions.
- Two speed ranges, Low speed range for vibratory operation and maximum torque and High speed range provides faster inter site movements.



3. Articulation Joint

- Self leveling centre pivot assembly is based on 4 joints.
- Heavy duty self aligning bearing for articulation and oscillation joints.

4. Serviceability



5. Brakes

Service Brakes:

- Closed loop hydrostatic system providing dynamic braking during operation. Fail safe negative braking system with powerful service brakes.

Secondary Brakes:

- Multi disc brake mounted on the drum drive gear reducer.
- Secondary brakes are activated by a button on the operator's console in case of loss of hydraulic pressure in the brake circuit or when engine is shut.

6. Vibratory System

- Thick drum shell ensures longer life.
- Dual amplitude works efficiently in a wider range of applications.
- Vibration frequency of 30 Hz or more for higher compaction results.
- Large heavy duty bearings for the eccentric shafts designed for high compaction forces.



7. Visibility / Operator Comfort & Safety

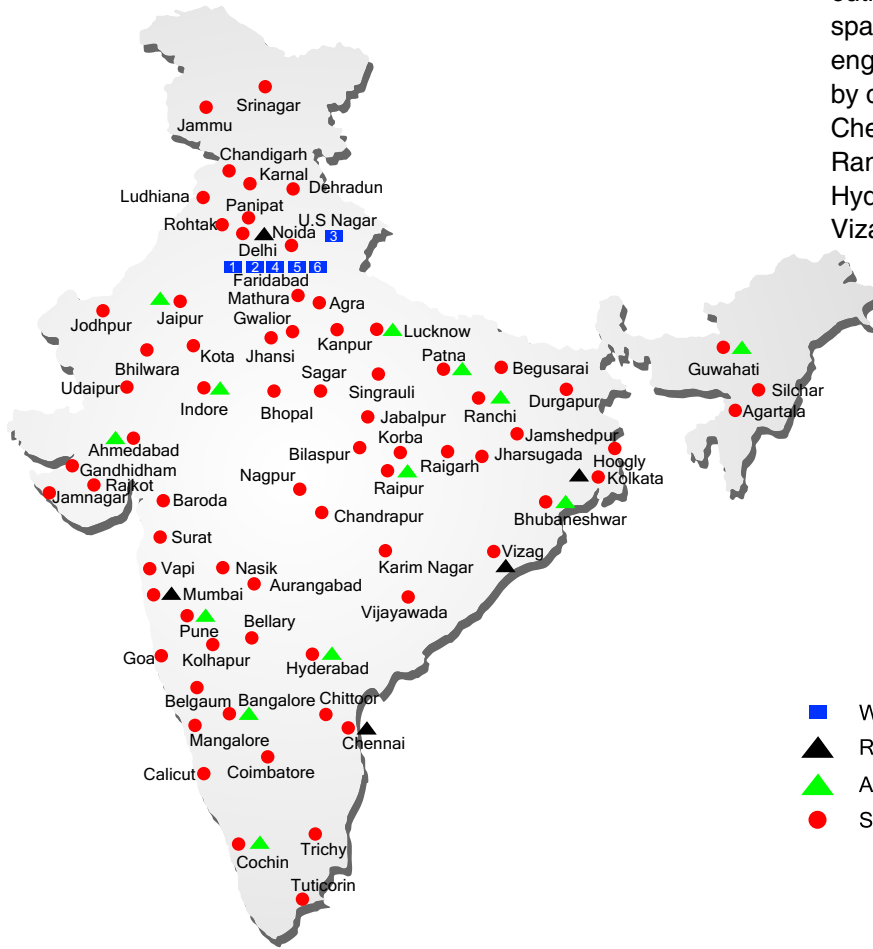
- Proper Visibility (1 meter by 1 meter).
- Ergonomically designed operator's console for all around visibility and access from both sides.
- Efficient shock absorption for reduced platform vibration.
- Adjustable rotary driver seat with arm rest.
- Larger canopy shields the operator from sun / rain.
- Single lever controls the speed, direction and neutral position of compactor and is fitted with horn and reverse alarm sensor.
- Downward exhaust to ensure unrestricted view and prevents the operator from smoke.



8. Reliable Electricals

- Ergonomically placed instrument cluster comprising of Engine Oil Pressure, Hydraulic, Water temperature, Fuel gauge and RPM cum hour meter.
- Miniature circuit breakers provide extra protection against any short circuit.
- Sealed electrical connectors.

ALL INDIA NETWORK



SPARE PARTS & SERVICE

ACE has all India Sales and Service network operating out of all the major cities. These outlets are fully equipped to provide genuine spare parts and services by company trained engineers. These outlets are further supported by company officials based at Delhi, Mumbai, Chennai, Kolkata, Ahmedabad, Pune, Jaipur, Ranchi, Raipur, Indore, Bhubneshwar, Lucknow, Hyderabad, Bangalore, Guwahati, Patna, Vizag & Cochin

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



ACE

Action Construction Equipment Ltd.

Contact:



ACE / Original equipment manufacturer reserves the right to alter any specifications without prior notice. Dimensions, weights & capacities mentioned herein are variable by ±5%. Accessories shown are not part of the Standard Equipment.

MARKETING H.Q.

5 th Floor, "TDI Center", Jasola , New Delhi - 25
Ph.: +91-11-40549900 (30 Lines) Fax : 40549922
E-mail: marketing@ace-cranes.com

MUMBAI OFFICE

31, "Kalpataru Court", Chembur, Mumbai - 71
Ph.: 022 - 25206846 Telefax : 25207071
E-mail: acemumbai@ace-cranes.com

KOLKATA OFFICE

"Fomra Towers" 84-A, Second Floor, AJC Bose Road,
Kolkata - 14. Ph. 033-32578307, Telefax: 22274428
E-mail: acekolkata@ace-cranes.com

CHENNAI OFFICE

1st Floor, "Alsa Regency", 165, Eldams Road,
Alwar Pet, Chennai - 18
Ph.: 044 - 24314253 Telefax : 24314252
E-mail: acechennai@ace-cranes.com



Courtesy of Machine.Market

www.ace-cranes.com

ROLLERS01/11