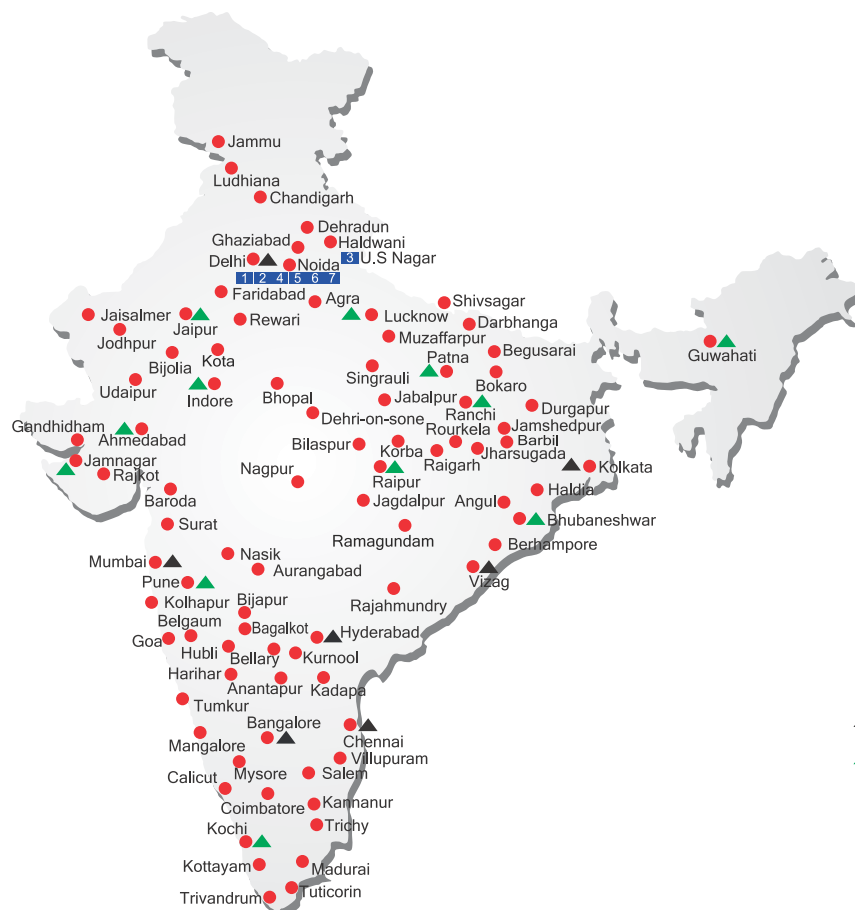


ALL INDIA NETWORK



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, Kolkatta, Ahmedabad, Surat, Pune, Jaipur, Chandigarh, Ranchi, Raipur, Indore, Bhubneshwar, Lucknow, Jamnagar, Hyderabad, Bangalore, Guwahati, Patna, Vizag & Cochin.

CUSTOMER CARE

TOLL FREE No

1800 1800 004

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

MARKETING H.Q.

4th Floor, Pinnacle, Suraj Kund, NCR-121009
E-mail: marketing@ace-cranes.com

REGISTERED OFFICE

Dudhola Link Road, Dudhola, Palwal-121102, Haryana
Ph.: +91-1275-280111, Fax: +91-1275-280133
CIN : L74899HR1995PLC053860

MUMBAI OFFICE

31, "Kalpataru Court", Chembur, Mumbai - 74
Ph.: +91-22-25206846, 25207070, Telefax: 25207071
E-mail: acemumbai@ace-cranes.com

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E-mail: acekolkata@ace-cranes.com

CHENNAI OFFICE

1st Floor, "Alsa Regency", 165, Eldams Road,
Alwar Pet, Chennai - 18
Ph.: +91-44-24314253, Telefax: 24314252
E-mail: acechennai@ace-cranes.com

ACE

Action Construction Equipment Ltd.

Contact:



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



www.ace-cranes.com

ACE

Compactors

Vibratory Compactors

Capacity : 3.5 - 12 Tons

Soil And Asphalt Compactors.



- Higher Applied Force
- Single Joystick Operation
- Higher Gradeability
- Water Cooled, High Torque, Bharat Stage-III Engine
- Reduced Fuel Consumption
- Dual Frequency Setting

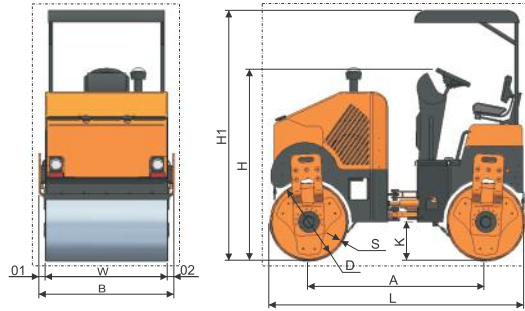


Nothing beats an **ACE**

Soil Compactors

ASD Series

Specifications	Unit	ASD115			ASD124		
		STD	DD	PD	STD	DD	PD
Weights							
Operating weight	kg.	10700	10900	11100	1200	12200	12400
Drum Module Weight	kg.	6500	6700	6900	7500	7700	7900
Tyre Module Weight	kg.	4200			4500		
Traction							
Speed Range Working / Traveling	km/h	0-8.4/0-29	0-6.8/0-13.2		0-8.4/0-29	0-6.8/0-13.2	
Number of Pads		-	-	140	-	-	140
Pad Height	mm	-	-	100	-	-	100
Pad Area	cm²	-	-	146	-	-	146
Oscillation Angle	deg	±10					
Tyre Size (12 Ply)		23.1 - 26 (12 Ply)					
Gradeability	%	45	55	55	37	50	50
Steering							
Type		Hydrostatic steering					
Articulation Angle	deg	±37					
Turning Radius (inner / outer)	mm	3950 / 6050			3950 / 6050		
Compaction							
Static Linear Load	kg/cm	30.52	31.46	32.39	35.21	36.21	37.09
Amplitude, high / low	mm	1.85 / 0.8			1.80/0.8		
Vibration Frequency - High/Low	Hz	40/33			40/33		
Centrifugal Force Per Drum at High /Low Frequency	kN	254 / 176			312 / 212		
Total Applied Force (Max.)	kg.	32391	32591	32791	39304	39504	39704
Engine							
Model / Type		Kirloskar, 4R1040TA BS-III / 4 Cylinders, Water Cooled Diesel Engine Turbo Charged Engine #					
Rated Power	kW/hp	78 (105) at 2200 rpm					
Fuel Tank Capacity	l	315					
Drive		Hydrostatic drive, infinitely variable, planetary axle with no-spin differential.					
Hydraulic System							
Hydraulic tank capacity	l	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, DC					



Dimensions in mm

	A	B	D	H	H1	K	L	O1	O2	S	W
ADD 34	1800	1406	800	1800	2560	400	2600	78	78	14.5	1250



Standard Equipment

- Hydrostatic travel and vibration drives
- Articulated joint lock
- Hydrostatic articulated steering
- Hour meter and RPM meter
- Warning Horn
- Fuel Gauge
- Visual warning indicator
 - Engine Oil Pressure
 - Engine Oil Temperature
 - Hydraulic Oil Temperature
 - Hydraulic Filter
 - Air Cleaner Vacuum
 - Brake Control
- Suspension sliding driver seat adjustable for position and height
- Polyurethane Scrappers
- Canopy
- Neutral start switch
- Spring suspended operator platform and access from both sides
- Rear work light
- Electrical disconnect switch
- Reverse alarm
- Single/Double drum vibration
- Self adjusting scrapper

Optional Equipment

- Standard ROPS Cabin
- Windscreen wiper front/rear, and mirrors outside/inside
- Cab heating and Air conditioning
- Lockable control panel
- Fog Lamps
- Safety belt
- Brake release system for towing



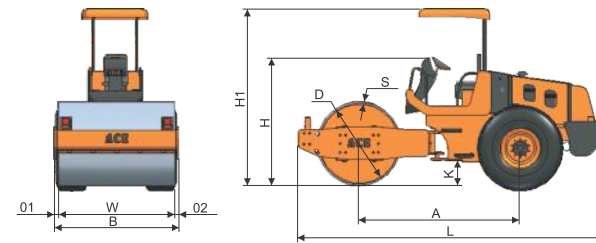
AG 176 - Motor Grader



AX 124 - Backhoe Loader

Tandem Rollers**ADD 34**

Specifications	Unit	ADD 34
Weights		
Operating weight	kg.	3500
Drum Module Weight - Front	kg.	1850
Drum Module Weight - Rear	kg.	1650
Traction		
Speed Range Working / Travelling	km/h	0 - 6 / 0 - 12
Oscillation Angle	deg	± 10
Gradeability	%	42
Steering		
Type		Hydrostatic steering
Articulation Angle	deg	± 35
Turning Radius (inner / outer)	mm	2200 / 3440
Compaction		
Static Linear Load - Front / Rear	kg/cm	14.8 / 13.2
Amplitude, High / Low	mm	0.6
Vibration Frequency - High/Low	Hz	70 / 55
Centrifugal Force Per Drum at High / Low Frequency	kN	54 / 33
Total Applied Force (Max.)	kg.	14509
Engine		
Model / Type		Kirloskar, HA394 BS-III / 3 cylinders, Air cooled diesel engine or suitable equivalent make engine
Rated Power	kW/hp	35 (47) at 2300 rpm
Fuel Tank Capacity	l	60
Drive		Hydrostatic, infinitely variable, drum drive on both drums
Hydraulic System		
Hydraulic tank capacity	l	40
Travel		Variable displacement axial piston pump and constant displacement motor on both drums
Vibration		Fixed displacement pump and fixed displacement motor on both drums
Steering		Gear pump with constant displacement
Service Brake		Hydrostatic
Parking Brake		Fail safe multi disc brake in both drums
Sprinkling System		
Type of system		Pressurized
Actuation		Automatic through interval switch on dash board
Water Tank Capacity - Front / Rear		130 / 170
Electrical System		12V DC

ACE

Dimensions in mm

	A	B	D	H	H1	K	L	O1	O2	S	W
ASD115	3000	2280	1530	2340	3050	480	5400	75	75	25	2130
ASD124							5600			32	

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 adjustable for position and height
- Steel Scrappers
- Reverse 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

**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**

- The engine bonnet lifts easily, 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 water cooled engine assuring no power loss (Dearation) at higher altitudes.
- Improved fuel economy, meeting Bharat Stage-III (CEV) engine emission norms.
- Water cooled engine for tough Indian conditions
- Adequate size fuel tank ensures full day operation without stoppage.

**5. Brakes****Service Brakes:**

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

Secondary Brakes:

- 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

6. Vibratory System

- Thick drum shell ensures longer life.
- Dual amplitude works efficiently in a wider range of applications.
- Vibration frequency of 33/40 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 driver seat
- 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.

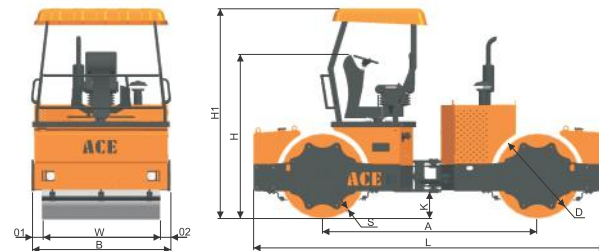
**8. Reliable Electricals**

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

ACE advantages3

Tandem Rollers		ADD Series	
Specifications	Unit	ADD 95	
Weights			
Operating weight	kg.	9100	
Drum Module Weight - Front	kg.	4390	
Drum Module Weight - Rear	kg.	4710	
Traction			
Speed Range Working / Travelling	km/h	0 - 6 / 0 - 8	
Oscillation Angle	deg	± 10	
Gradeability	%	4400 / 6100	
Steering			
Type		Hydrostatic steering	
Articulation Angle	deg	± 35	
Turning Radius (inner / outer)	mm	4400 / 6100	
Compaction			
Static Linear Load - Front / Rear	kg/cm	25.8 / 27.7	
Amplitude, High / Low	mm	1.3 / 0.7	
Vibration Frequency - High/Low	Hz	50 / 30	
Centrifugal Force Per Drum at High / Low Frequency	kN	95.9 / 76.4	
Total Applied Force (Max.)	kg.	28658	
Engine			
Model / Type		Kirloskar, 4R1040TA BS-III / 4 cylinders, water cooled diesel engine or equivalent	
Rated Power	kW/hp	56 (75) at 2200 rpm	
Fuel Tank Capacity	l	160	
Drive		Hydrostatic, infinitely variable, drum drive on both drums	
Hydraulic System			
Hydraulic tank capacity	l	80	
Travel		Variable displacement axial piston pump and constant displacement motor on both drums	
Vibration		Variable displacement axial piston pump and fixed displacement motor on both drums	
Steering		Gear pump with constant displacement	
Service Brake		Hydrostatic	
Parking Brake		Fail safe multi disc brake in both drums	
Sprinkling System			
Type of system		Pressurized	
Actuation		Automatic through interval switch on dash board	
Water Tank Capacity - Front / Rear	l	350 / 350	
Electrical System		12V DC	

ACE



Dimensions in mm

	A	B	D	H	H1	K	L	O1	O2	S	W
ADD 95	3000	2000	1250	2215	2900	374	4600	150	150	17	1700

Standard Equipment

- Hydrostatic travel and vibration drives
- Articulated joint lock
- Hydrostatic articulated steering
- Hour meter and RPM meter
- Warning Horn
- Engine Oil Pressure Gauge
- Visual warning indicator
 - Engine Oil Pressure
 - Engine Water Temperature
 - Hydraulic Oil Temperature
 - Hydraulic Filter
 - Air Cleaner Vacuum
 - Brake Control
- Suspension rotary driver seat and adjustable for position and height
- Hydraulically actuated sliding and rotary operator module
- Polyurethane Scrappers
- Canopy
- Neutral start switch
- Spring suspended operator platform and access from both sides
- Rear work light
- Electrical disconnect switch
- Reverse alarm

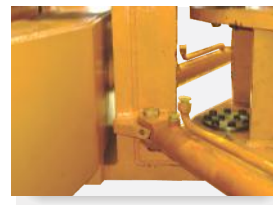


1. Engine

- Improved fuel economy Meeting Bharat Stage-III (CEV) engine emission norms.
- Water cooled engine for tough Indian conditions
- Engine close to ground resulting better centre of gravity.

2. Driveline

- Hydrostatic and infinitely variable drive.
- Variable displacement piston pump supplies pressure flow to two hydraulic motors driving front and rear drums through planetary gear boxes.
- A single propel lever located on the operator console provides smooth hydrostatic control of the machine, infinitely variable speeds in forward and reverse directions.
- Excellent gradeability.



3. Articulation Joint

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

4. Brakes

Service Brakes:

- Closed loop hydrostatic system providing dynamic braking during operation.

Secondary Brakes:

- Multi disc brake (front & rear) 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.



5. Vibratory System

- Thick drum shell ensures longer life .
- Dual amplitude works efficiently in a wider range of applications.
- Vibration frequency of 30 Hz 50 Hz for higher compaction results.
- Large heavy duty bearings for the eccentric shafts designed for high compaction forces.



6. Visibility / Operator Comfort & Safety

- Proper Visibility (1 meter by 1 meter) in front and rear.
- 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.
- 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.
- Hydraulically actuated sliding and rotary operator module.



7. Reliable Electricals

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

8. Serviceability

- The engine is easily accessible from ground level for daily maintenance checks including battery, fuel / air filters, oil level dipstick and cooling system.
- All fluid levels can be checked from ground level.
- Easily removable side grill ensures convenient serviceability.

ACE advantages