

ACE

Compactors

Vibratory Compactors

Capacity : 3.5 - 12 Tons

Soil And Asphalt Compactors.



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

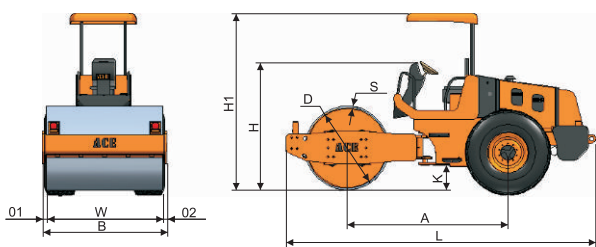


*Nothing beats an **ACE***

Soil Compactors

ASD Series

| Specifications | Unit | ASD115 | | | ASD124 | | |
|---|-------|---|--------------|-------|-------------|--------------|-------|
| | | STD | DD | PD | STD | DD | PD |
| Weights | | | | | | | |
| Operating weight | kg. | 10700 | 10900 | 11100 | 12000 | 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 limited slip 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 |
|--------|------|------|------|------|------|-----|------|----|----|----|------|
| ASD115 | 3000 | 2280 | 1530 | 2340 | 3100 | 480 | 5720 | 75 | 75 | 25 | 2130 |
| ASD124 | | | | | | | | | | 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 from both sides

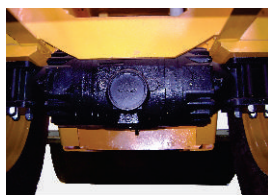
Optional Equipment

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



1. Engine

- ACE Compactors are fitted with turbo charged water cooled engine assuring no power loss (Deration) 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.



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.



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 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 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.



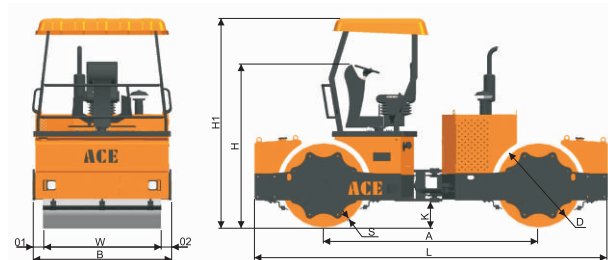
8. Reliable Electricals

- 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.

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 | % | 45 |
| 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 |



Dimensions in mm

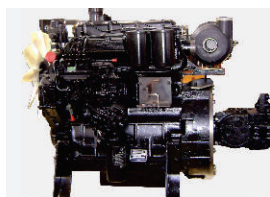
| | A | B | D | H | H1 | K | L | O1 | O2 | S | W |
|---------------|------|------|------|------|------|-----|------|-----|-----|----|------|
| ADD 95 | 3000 | 2000 | 1250 | 2215 | 2900 | 374 | 4600 | 150 | 150 | 17 | 1700 |

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

Optional Equipment

- Auto Vibration Cut-off at low speed or High speed
- Standard ROPS Cabin
 - Windscreen wiper front and mirrors outside/inside
- Cab heating and Air conditioning
- Lockable control panel
- Fog Lamps
- Single / Double drum vibration
- Safety belt
- Independent Vibration control on either drum
- Brake release system for towing

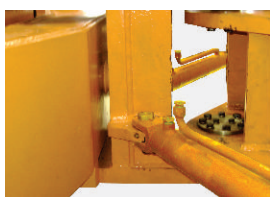


1. Engine

- 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.

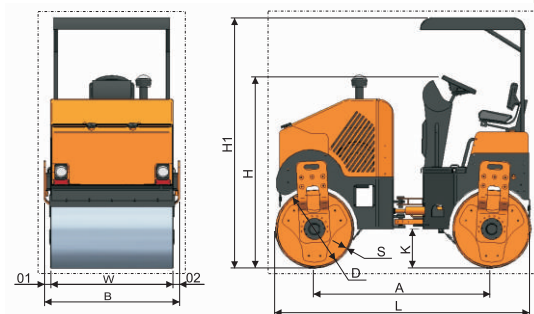
8. Serviceability

- 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.

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 |



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



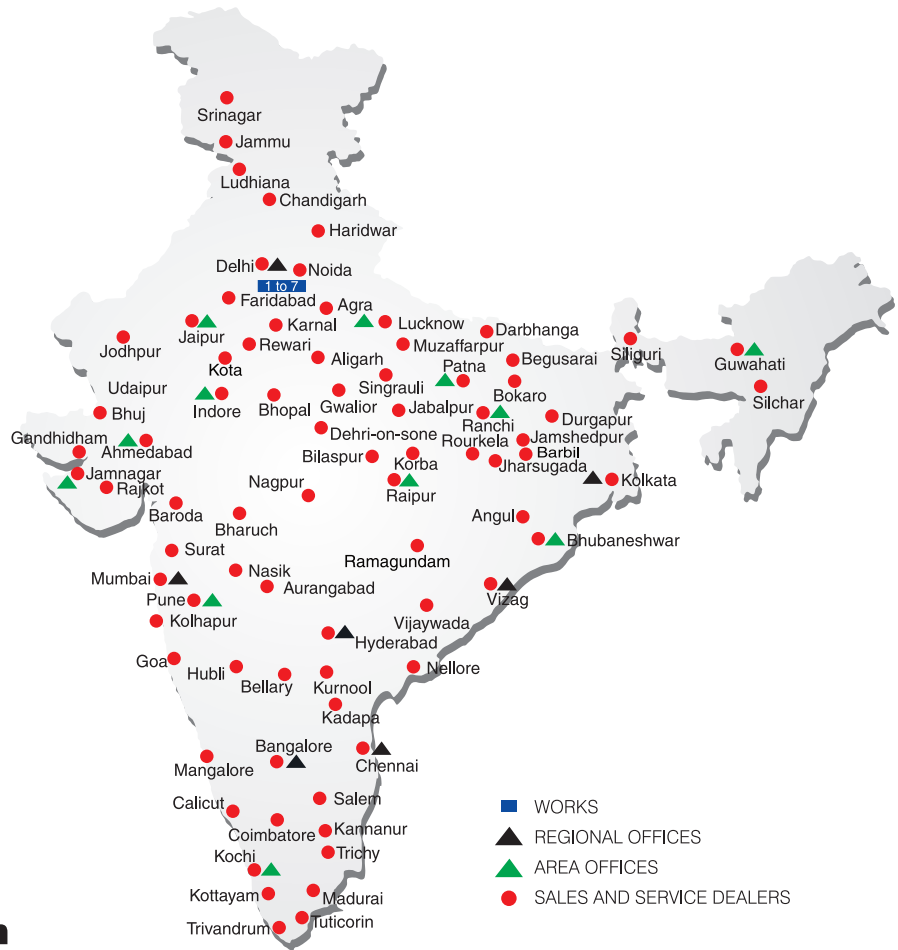
AX 124 - Backhoe Loader

BUILT TO PERFORM



RELIABLE AND DEPENDABLE EFFICIENCY

NETWORK



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HERE TO SERVE YOU.

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 & Kochi.



Action Construction Equipment Ltd.

Contact:



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.