



William & Jones Ltd.

Welcome to the Series of W&J Small Handling Equipment

BDR35 Battery-Power Drum Rotation Stacker – 350 kg
Instruction Manual



Unit 6 Gateway 4, School Lane, Knowsley Business Park, Merseyside L34 9ZZ, England.
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Instruction Manual

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DECLARATION OF CONFORMITY

This machine complies with the essential Health and Safety Requirements relating to the Design and Construction of Machinery as defined within "The Supply of Machinery (Safety) Regulations 1992"

Signed on Behalf of :

WILLIAM & JONES LTD

Director:

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Battery-Power Drum Rotation Stacker

(Model No: BDR35)

Introduction

- **W&J Battery-Power Drum Rotation Stacker** is Specially Designed for Lifting, Lowering, Transporting, Positioning and 360° Rotation of 210 Litres Steel, Plastic And Selected Fibre Drums.
- **W&J Battery-Power Drum Rotation Stacker** is Constructed with Robust and Welded Steel.
- Drum IS Situated in Vertical Position and Gripping Unit Holds It Tightly. Battery-Power Operated for Lifting, Lowering and Rotation. Heavy Duty Hydraulic System is Included for Safety Purpose.
- Lifting Pump (DC Power Pack) for Efficient Lifting and Low Noisy Level at a Lifting Speed Approx. 10 sec./metre.
- Standard Battery (12V/135 AH).
- Battery, Battery Indicator, Battery Charger, and Battery Charger Time Controller Installed.
- Electrically Control Gear Unit for Rotation System Ratio Approx. 1:60
- **Without Clamping System and by using Drum Gripping Unit (U) and Drum Base Support (W), W&J Battery-Powered Drum Rotator May Pick Up a 210 L Steel Drum Horizontally.**

Memo

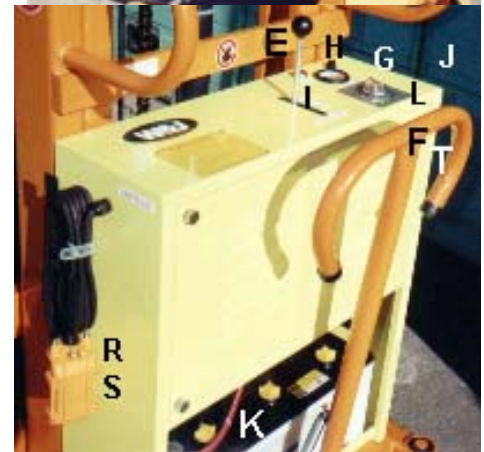
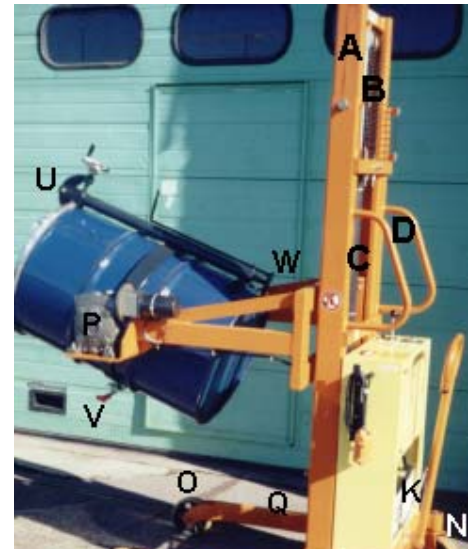
- Cap. 350 kgs
- Battery-Powered Lifting System
- Lift Height 2500 mm (Horizontal Position), 2400 mm (Vertical Position)
- Twin Lifting Chains
- Battery-Power Operated Drum Rotation System
- Overall Size (mm): 1920 (W) x 1400 (L) x 1900 (H)
- Floor Brake Included as Standard
- Unladen Weight Approx. 350 kgs

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- A – Telescope Mast
- B – Twin Lifting Chains
- C – Hydraulic Cylinder
- D – Push Handle
- E – Lifting/Lowering Bar
- F – Pull Handle
- G – Battery Indicator
- H – Fuse (Standard 13 AMP)
- I – Red Light (Battery Re-Charging Bulb)
- J – Battery Charger (220 ~ 240 V)
- K – Battery
- L – Battery Charger Time Controller
- M – Floor Lock
- N – Swivel Castors Dia. 175 mm
- O – Fixed Wheels Dia. 175 mm
- P – Electric Gear Unit (Ratio 1:60)
- Q – Legs
- R – Drum Reverse Rotation Control Button (**R**)
- S – Drum Forward Rotation Controller Button (**F**)
- T – Plug (Re-charging Cable Included)
- U – Drum Gripping Unit
- V – Drum Clamping Unit
- W – Drum Support Unit
- X – Pump (DC Power Pack)



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Operation Instructions

DO NOT AND ALWAYS:

- Do Not Overload Beyond Rated Capacity
- **Do Not Operate the Equipment While Re-charging**
- Do Not Operate the Rotation System While Moving, Lifting, and Lowering
- Do Not Work or Stand Under the Rotation System While Lifting or Lowering
- Always Ensure the Drum Gripping, Clamping and Support Units are Fastened
- Always Operate The Stacker on Level Ground
- Always Use Floor Lock System for Safety
- Always Ensure Drum is Secured Before Moving
- Always Keep Rotation System in The Lowest Position While Moving
- **Always Re-Charge Battery While It Still Contains 30% Power (Battery Charger Indicator Point to 10V Position)**
- Always Set Battery Charger Time Controller in Between 8 ~ 10 Hours, Max. 12 Hours While Re-Charging the Battery
- Always Check The Water Level of Battery Every 3 Months. Any Frequent User Shall Check Monthl

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Operation Instructions

Lifting:

1. Ensure the Rotation System Is in The Lowest Position
2. Secure Floor Lock
3. Secure “**T**” (Drum Gripping Unit) to Ring of Drum from the Top
4. Secure “**U**” (Drum Clamping Unit) to Hold the Drum from Middle
5. Push “**E**” to Lift Drum up Approx. 100 mm from Floor
6. Secure “**V**” (Drum Support Unit) from Bottom of the Drum
7. Re-Push “**E**” for Lifting Drum to the Required Height

Rotation: (Steel and Certain Plastic Drums Only. Fibre Drums Require Lashing System)

1. Secure Floor Lock Before Rotation
2. Press “**S**” (Drum Forward Rotation Controller Button **F**) for Forward Rotation to the Required Degree
3. Press “**R**” (Drum Forward Rotation Controller Button **R**) for Reverse Rotation to the Required Degree

Lowering:

1. Ensure Drum is in a Vertical Position Before Lowering
2. Ensure Floor Lock is on Before Lowering
3. Gently Pull “**E**” for Lowering. Release “**V**” (Drum Support Unit) While Drum is Approx. 100 mm from Floor
4. Gently Re-Pull “**E**” Until the Drum Touch Floor, Then Release “**T**” (Drum Gripping Unit) and “**U**” (Drum Clamping Unit).
5. Release Floor Lock for Moving

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Routine Maintenance

- Brake** – Check Brake System Regularly and Make Sure Brake System Is Always in Working Condition
- Castors/Wheels** – Check Castors/Wheels Regularly and Make Sure they are in a good Condition.
Replace with New Castors/Wheels for an Unable Working Condition.
- Hydraulic Cylinder and Oil Seals** – Check if any Oil Is Leaking Regularly.
Replace Oil Seal if Necessary. If the Equipment Can Not Reach the Max. Height, Refill with Standard Hydraulic Oil such as Shell Tellus 27.
- Gear Unit and Gear Oil Checking** - Check Window on Front of Gear Unit and Make Sure Gear Oil are 3/4 Full at All Times.
(A) Pull Out Yellow Pin from Yellow Cap on the Gear Unit to Check the Level of Gear Oil. If Gear Oil is Less 3/4 Full, Refill Oil into the Gear Unit
(B) To Change Gear Oil, Open Screw with Allen Key on Outside Bottom (Screw by Itself) and Drain Oil. Return Screw and then Refill Gear Oil from Cap.
(C) Gear Oil Need to Be Changed After Approx. the First 300 Hours and then Every 2500 Hours.
(D) Refill/Change with Standard Mobil Gear Oil
- Battery** – Check if Water Level in Between Low and High Level Regularly. Suggest to Exam Every 3 Months. Any Frequent User Shall Check Every Month. Refill Clean Water into Battery if Necessary. In Order to Prolong Lifetime of the Battery, **Always Re-charge the Battery While It Still Contains 30% Power (Battery Charger Indicator Point to 10V Position).** Replace Battery (Type 12V Standard Lead/Acid) if Necessary.
- Fuse** – Change Standard Fuse (13 AMP) if Necessary and Investigate the Cause of Repeated Failures
- Lubrication** – Brush a Little Amount of Grease Inside of Masts and the Lifting Chain Every 3 Months.
- Clean** – Use Cloth or Paper Tower to Clean the Equipment.

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Coverage and Parts Supply

Coverage:

- 12 Months Warranty which battery is not covered
- We Do Not Cover Any Wear and Tear that caused by Misusing or Abusing the Equipment

Parts Supply:

- W&J Equipment Are Standard Products. Spare Parts May Purchase from **William & Jones Ltd.** or In Certain Parts Supplier.