



**RHINO**  
EQUIPMENT®

**RTH45-4**



PRODUCT DATA SHEET

**RTH45-4**

Telehandler — Telescopic Handler  
Miniature Bodywork / Flexible Operation

## Telescopic Handler **RTH45-4**

*Compact Structure / Flexible Operation*



**LIFT HEIGHT**

**13,800 mm**

45.28 ft

**RATED CAPACITY**

**4,000 kg**

8.818 lb

**ENGINE POWER**

**85 kW**

114 hp

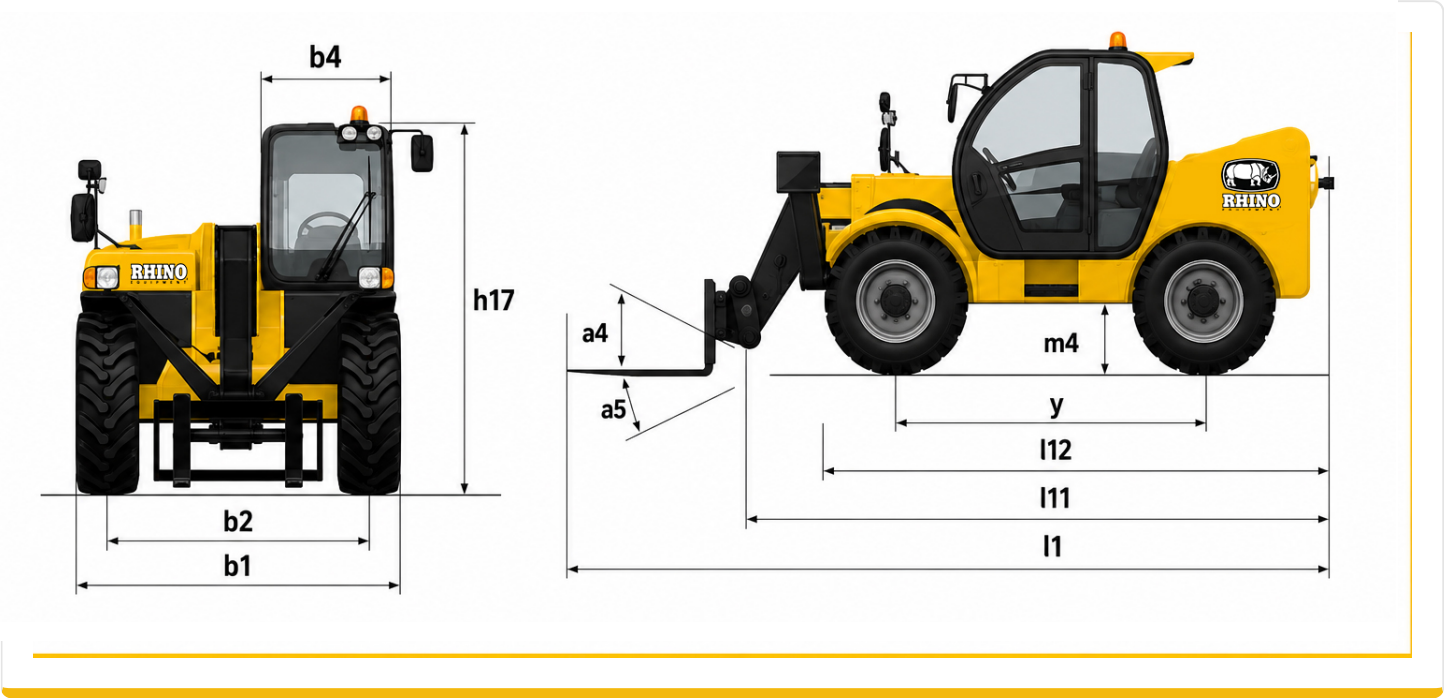
**TIRES**

**440/80-24**

Tubeless

The **RHINO RTH45-4** is a telescopic handler designed to combine a compact structure with flexible on-site operation. With a lift height of **13,800 mm** and a rated capacity of **4,000 kg**, it is built for lifting, loading and material-positioning tasks in construction, industry and logistics, adapting to a wide range of applications through multiple attachments.

Dimension Diagram



| CODE | DESCRIPTION                                | METRIC | IMPERIAL |
|------|--------------------------------------------|--------|----------|
| l11  | Overall Length to Carriage (without Forks) | 6,40 m | 21,00 ft |
| l1   | Length to Face of Forks                    | 7,62 m | 25,00 ft |
| l12  | Min. Transport Size                        | 5,60 m | 18,37 ft |
| b1   | Overall Width                              | 2,35 m | 7,71 ft  |
| b2   | Track Width                                | 1,95 m | 6,40 ft  |
| h17  | Overall Height                             | 2,55 m | 8,37 ft  |
| y    | Wheelbase                                  | 3,60 m | 11,81 ft |
| m4   | Ground Clearance                           | 0,38 m | 1,25 ft  |
| b4   | Overall Cab Width                          | 0,84 m | 2,76 ft  |
| a4   | Tilt-Up Angle                              | 12°    | 12°      |
| a5   | Tilt-Down Angle                            | 90°    | 90°      |

# Technical Specifications

Capacities, dimensions and performance — metric and imperial values

| Capacities            |                                            |                       |
|-----------------------|--------------------------------------------|-----------------------|
| Máx Capacity          |                                            | 4,000 kg (8.818 lb)   |
| Max. Outreach         |                                            | 7,00 m (22,97 ft)     |
| Weight and Dimensions |                                            |                       |
| I11                   | Overall Length to Carriage (without Forks) | 6,40 m (21,00 ft)     |
| I1                    | Length to Face of Forks                    | 7,62 m (25,00 ft)     |
| I12                   | Min. Transport Size                        | 5,60 m (18,37 ft)     |
| b1                    | Overall Width                              | 2,35 m (7,71 ft)      |
| b2                    | Track Width                                | 1,95 m (6,40 ft)      |
| h17                   | Overall Height                             | 2,55 m (8,37 ft)      |
| y                     | Wheelbase                                  | 3,60 m (11,81 ft)     |
| m4                    | Ground Clearance                           | 0,38 m (1,25 ft)      |
| b4                    | Overall Cab Width                          | 0,84 m (2,76 ft)      |
| a4                    | Tilt-Up Angle                              | 12°                   |
| a5                    | Tilt-Down Angle                            | 90°                   |
|                       | External Turning Radius (Over Tyres)       | 4,10 m (13,45 ft)     |
|                       | Unladen Weight (with Fork)                 | 13,000 kg (28.660 lb) |
|                       | Tires Type                                 | Tubeless              |
|                       | Standard Tires                             | 440/80-24             |
|                       | Fork Length                                | 1.220 mm (48,03 in)   |
|                       | Fork Width                                 | 125 mm (4,92 in)      |
|                       | Fork Section (Thickness)                   | 50 mm (1,97 in)       |
| Performance           |                                            |                       |
| Lifting               |                                            | 16 s                  |
| Lowering              |                                            | 12,4 s                |
| Extension             |                                            | 17,3 s                |
| Retraction            |                                            | 13 s                  |
| Crowd                 |                                            | 4,8 s                 |
| Dump                  |                                            | 4,0 s                 |

# Technical Specifications (continued)

Engine, transmission, hydraulics, fluid capacities, noise/vibration and other

| Engine                             |                                                     |
|------------------------------------|-----------------------------------------------------|
| Engine Brand                       | Yuchai (Optional Brand)                             |
| Engine Emission Norm               | National II                                         |
| Max. Fuel Sulphur Content          | 5.000 ppm                                           |
| Engine Model                       | YCD4J22T-115                                        |
| Number of Cylinders                | 4 units                                             |
| Cylinder Capacity (Displacement)   | 4.400 cm <sup>3</sup> (268,5 in <sup>3</sup> )      |
| Engine Power Rating (as Published) | 85,0 kW (114,0 hp)                                  |
| Max. Torque                        | 400 Nm (295,0 lb-ft)                                |
| Engine Rotation (at Max. Torque)   | 1.400 rpm                                           |
| Drawbar Pull (Laden)               | 9,930 daN (22.324 lbf)                              |
| Transmission                       |                                                     |
| Transmission Type                  | Torque Converter (Optional Hydrostatic)             |
| Number of Gears (Fwd/Rev)          | 4/4                                                 |
| Max. Travel Speed                  | 40,0 km/h (24,9 mph)                                |
| Parking Brake                      | Automatic Air-Cut Brake (Optional Wet Disc Braking) |
| Service Brake                      | Immersed Multi-Discs Braking on Front & Rear Axles  |
| Hydraulics                         |                                                     |
| Hydraulic Pump Type                | Gear Pump (Optional Piston/Plunger Pump)            |
| Hydraulic Reservoir (Flow)         | 150,0 L (39,6 US gal)                               |
| Tank Capacities                    |                                                     |
| Engine Oil                         | 5,5 L (1,5 US gal)                                  |
| Hydraulic Oil                      | 170,0 L (44,9 US gal)                               |
| Fuel Tank                          | 195,0 L (51,5 US gal)                               |
| Noise and Vibration                |                                                     |
| Noise at Driving Position (LpA)    | 79 dB                                               |
| Noise to Environment (LwA)         | 106 dB                                              |
| Vibration on Hands/Arms            | < 2.50 m/s <sup>2</sup>                             |
| Other                              |                                                     |
| Steering Wheels (Front/Rear)       | 2 / 2                                               |
| Drive Wheels (Front/Rear)          | 2 / 2                                               |
| Safety Cab Homologation            | FOPS Level 2 Cab                                    |

# AVAILABLE VARIANTS

At Rhino Equipment, we understand that every industry and application has unique needs. That's why we offer specialized variants of our RTH45-4 telescopic handler, designed to maximize performance, safety and durability in the most demanding conditions.



**ONE MACHINE. MULTIPLE SOLUTIONS.**

## AGRIHANDLER

The AGRIHANDLER variant is designed for agricultural environments — ideal for handling dusty materials and fuels.

- |                     |                    |
|---------------------|--------------------|
| 1 Reversible fan    | 5 Boom wiper seal  |
| 2 Battery isolator  | 6 New belly plate  |
| 3 Grain bucket      | 7 Roof-mounted A/C |
| 4 Fire extinguisher | 8 Exhaust cover    |

## WASTEMASTER

The WASTEMASTER variant is specially designed for the waste-recycling industry, tackling challenges such as structural damage and tire punctures.

- |                            |                         |
|----------------------------|-------------------------|
| 1 Solid tires              | 4 Fully guarded machine |
| 2 Heavy-duty axle          | 5 Front fenders         |
| 3 Front & roof glass guard | 6 Boom wiper & guard    |

## MULTIFUNCTIONAL CAPABILITIES

The RTH45-4 telescopic handler is designed to adapt to a wide range of attachments, enabling multiple tasks with a single machine — increasing productivity and reducing operating costs.

- ✓ Work platform / man basket
- ✓ Grapple bucket
- ✓ Standard bucket
- ✓ Pallet forks
- ✓ And more attachments available



 **DURABILITY**  
BUILT TO WORK HARD

 **VERSATILITY**  
ONE MACHINE, MULTIPLE  
TASKS

 **PRODUCTIVITY**  
HIGHER OUTPUT, LESS  
DOWNTIME

 **SAFETY**  
DESIGNED TO PROTECT  
OPERATORS AND  
EQUIPMENT

\*Lift height and capacity may vary by variant and model. Terms and conditions apply.

## Technical Support and Service

*Service, parts and training for the equipment's entire operating life*



### **RHINO EQUIPMENT® Technical Support and Service**

The RHINO RTH45-4 is backed by the technical support of RHINO EQUIPMENT®, a brand committed to delivering machinery solutions designed for demanding applications, with a comprehensive focus on availability, reliability and support throughout the equipment's entire operating life.

RHINO EQUIPMENT®'s support includes technical assistance, parts supply, specialized guidance and training, providing customers with the tools needed to operate and maintain the equipment safely, efficiently and in a manner suited to their working conditions.

RHINO EQUIPMENT® provides support for component identification, preventive and corrective maintenance recommendations, technical guidance and assistance in resolving requirements related to equipment operation. Parts and components are also available, subject to availability and to the corresponding manufacturing, consolidation and shipping lead times.

As part of customer support, training programs may be offered for operators and technical staff, focused on good operating practices, preventive maintenance, safety and making proper use of the RHINO RTH45-4's capabilities.

This approach means the customer isn't just purchasing a machine, but a solution backed by a manufacturer and a technical support structure designed to contribute to greater availability, productivity and service life for the equipment.

**RHINO EQUIPMENT® — Technology, backing and support to work with confidence.**