BOOM TRUCK CRANE

19 Ton Lifting Capacity

Highlights:

The new BT3870 series from Terex combines strength, power and operational ease in a package that can be configured to meet your needs.

- 70 ft (21.3 m) Fully Synchronous Telescopic Keel Boom
- 19 T (17.2 t) Maximum Lifting Capacity
- Enhanced Dual Operator Control Stations
- Load Moment Indicator with Work Area Definition

Applications:

- Residential Construction
- Roofing Systems
- Road Work
- Equipment Placement
- Transportation — Self-loading and Unloading of Materials
- Rental Services
Operational Ease
Enhanced Dual Control Console
Modular, dual-control console allows operation from either side of the machine.

Precision Control
Fully proportional controls with precise metering for smooth boom movements.

Work Area Definition
The operator can define boundaries for boom rotation, lift and lower. A warning alarm sounds if the boom moves outside the defined area.

Strength and Power
Proven Keel Boom Design
Three-section fully synchronized, self-centering design that optimizes strength and delivers performance for high lift capacities at all lift radii.

High-Performance Hydraulics
Three-pump system simultaneously provides independent flow to the boom, hoist and slew drive.

Outriggers
Heavy-duty outrigger system offers stability and a compact footprint.

Serviceability
External Rotation Drive
External rotation drive provides easy maintenance access.

Hoses
Hoses for extend/retract are easily accessible if maintenance is required.

New and Improved
• Step-to-Deck™ enables easy control access
• Easily accessed
• Split guide rope guards
• Large capacity hydraulic reservoir improves oil cooling
• Work area definition

Key Specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>BT3870S (Single Axle)</th>
<th>BT3870T (Tandem Axle)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Lifting Capacity</td>
<td>38,000 lb (17,236 kg)</td>
<td>46,000 lb (20,865 kg)</td>
</tr>
<tr>
<td>Main Boom Length</td>
<td>28 - 70 ft (8.53 - 21.3 m)</td>
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<tr>
<td>Main Boom and Jib Length</td>
<td>110 ft (33.5 m)</td>
<td>110 ft (33.5 m)</td>
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<tr>
<td>Maximum tip height with optional one-section jib</td>
<td>104 ft (31.6 m)</td>
<td>104 ft (31.6 m)</td>
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<tr>
<td>Maximum tip height with optional two-section jib</td>
<td>120 ft (36.6 m)</td>
<td>120 ft (36.6 m)</td>
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<tr>
<td>Maximum boom length with extension</td>
<td>94 ft (28.6 m) with 24 ft (7.3 m) one-section jib</td>
<td>94 ft (28.6 m) with 40 ft (12.2 m) two-section jib</td>
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<tr>
<td>Hoist speed</td>
<td>2-speed — 150/220 ft/min (46/67 m/min)</td>
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<tr>
<td>Maximum line pull</td>
<td>11,400 lb (5,171 kg)</td>
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Optional Equipment
• One and two-section jibs
• Multi-part load blocks
• Continuous rotation
• One-man or two-man baskets
• Hydraulic hose reel
• Main hoist with 2-speed motor
• Radio remote controls
• Heavy duty wood/steel deck
• Single front bumper outrigger (required for utilizing 360 degree lifts)
• Hoist drum tensioner
• Oil cooler
• Tool box
• Inching control for hoist operation at rear subframe, for one man hook ball stowage and deployment

Chassis Recommendations (see datasheet for more details)

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<th>BT3870T (Tandem Axle)</th>
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<tr>
<td>Combined Axle Weight Rating</td>
<td>33,000 lb (14,969 kg)</td>
<td>46,000 lb (20,865 kg)</td>
</tr>
<tr>
<td>Front Axle Weight Rating</td>
<td>12,000 lb (5,443 kg)</td>
<td>12,000 lb (5,443 kg)</td>
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<tr>
<td>Rear Axle Weight Rating</td>
<td>21,000 lb (9,525 kg)</td>
<td>34,000 lb (15,422 kg)</td>
</tr>
<tr>
<td>Wheelbase</td>
<td>242 in (6.15 mm)</td>
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<tr>
<td>Cab to Axle</td>
<td>168 in (4.27 mm)</td>
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<tr>
<td>RBM per Frame Rail</td>
<td>1,800,000 lb/in (2,440,000 Nm)</td>
<td>1,800,000 lb/in (2,440,000 Nm)</td>
</tr>
</tbody>
</table>

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Effective Date: June 2010. Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator’s Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator’s Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and many other countries. © 2010 Terex Corporation. BT3870 Sales Flyer-06/10