Truck Mounted Material Handlers

Model 1300-TM

Builtrite™, Heavy Duty, Truck Mounted Material Handlers (Back of Cab and Tail Mounts) have proven themselves in a number of applications to be the tool of choice for handling a wide variety of materials. From mining, scrap handling, utility, railroad and general construction, we can custom design a crane for all of your material handling needs. The 1300-TM is the all-around utility tool on and off the job site. Found in a wide variety of applications. It is capable of handling over 19,000 Lbs. (8,636 Kg.) at 10’ (3M). High lift capacity, excellent operator visibility and comfort make the 1300-TM an easy choice.

Features and Specifications:

Lift Capacity (Less attachment)
- 19,185 Lbs. (8,720 Kg.) @ 10’ (3M) R
- 12,908 Lbs. (5,867 Kg.) @ 15’ (4.57 M) R
- 9,493 Lbs. (4,315 Kg.) @ 20’ (6M) R
- 7,162 Lbs. (3,255 Kg.) @ 25’ (7.6M) R

Boom Data
- Horizontal Reach = 23’4” (7.1M)
- Vertical Reach = 34’8” (10.6M)
- Main Boom Length = 14’2” (4.3M)
- Jib Boom Length = 9’2” (2.8M)
- High yield, fabricated steel construction.
- 3” (76mm) boom pivot and 2.5” (64mm) cylinder pins with magnesium bronze bushings at all pivot points.

Boom Cylinders
- One 7” (178mm) bore x 41” (1,041mm) stroke x 3.5” (89mm) rod main boom cylinder.
- One 7” (178mm) bore x 30” (762mm) stroke x 3” (76mm) rod jib boom cylinder.
- Double acting, heavy walled, honed cylinder tube.
- Wear rings on both pistons and glands.
- Rods with heavy chrome plating.

Swing System
- 360° continuous rotation with a 39” (990mm) diameter turntable bearing, powered by two swing motors and planetary gear boxes.
- Swing brake on each motor.

Platform
- Rotating operator’s platform with fold-down, adjustable seat and 2-lever, mechanical joysticks.
- Foot controlled swing.
- Safety guard rail around operator.

Main Frame
- High tensile, heavy wall rolled steel tube.
- Overall height 13’5” (4.1M) mounted on 44” (1.1M) high truck frame.

Stabilizers
- 14’ (4.2M), fold-away with two (2) 6’ (152mm) diameter x 17” (432mm) stroke x 3” (76mm) rod cylinders.
- Control valves are mounted on rotating platform for easy operator access.
- Heavy duty ladder on platform side.

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Specifications (cont.) & Range Diagram

**Miscellaneous**
- Requires 44” (1,117 mm) of mounting space.
- Mounting bolts and support plates included.
- Approximate weight with standard equipment (less attachment and oil) is 9,850 Lbs. (4,477 Kg.).

**Options/Accessories**
- Servo joystick control package.
- Boom lengths up to 25’4” (7.8M).
- Horizontal out / vertical down stabilizers.
- Hand swing control in lieu of foot swing.
- Various grapples and other attachments available.
- Trailer mount frame package.
- Custom colors to match customer preference.

**Available Attachments**
We offer a wide variety of attachments including:

- Hydraulic Reservoir
  - 55 Gallons (208 Liters) loader mounted, with suction and return line filters.
  - Air to oil cooler, mounted on tank with a 12-volt fan.

**Power Source**
- Power take-off from truck engine.

**Pump**
- Triple Commercial providing 30/30/15 GPM (114/114/57 LPM) @ 1400 RPM.
- 2500 PSI (172 Bar) operating system.

**Control Valves**
- Stack type with mechanical joystick controls.

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