

# Madill 124B Swing Yarder

For over 60 years, Madill's purpose-built logging equipment has set the standard in performance, productivity, and longevity. Madill's heritage of rugged forestry machines ensures both reliability and durability for your most demanding logging environments.



## Specifications

### Engine and Transmission

- TAD1373VE Volvo 13 liter, Tier 4, 469 HP (350 kW) @ 1900 RPM (Available in Tier 3, where applicable)
- Allison 4500 OFS – 5 speeds forward / 1 speed reverse
- Fully automatic (2nd to 5th) with lockup torque converter
- Powershift capability – buttons on joystick shift up / down

### Undercarriage

- 17' 6" (5334 mm) x 11' 8" (3556 mm)
- 8.5" pitch excavator rail
- Track rollers: 11 per side
- Track shoes: 52 per side, 28.0" (711 mm) wide

### Swing Drive and Bearing

- Twin multi-stage planetary swing drives
- Ø75.6" (1920 mm) bearing

## Winch

- Madill waterfall drum arrangement with regenerative braking and clutches outside the winch frame
- Declutching on the fly
- All clutches "on" feature
- Main drums independent with equal drum reversing
- Madill helical cut hardened gears

## Drums

### Front and Rear Main Drums

- Capacity: 2,550 ft. (777 m) of Ø7/8" rope with grooved drum
- Maximum Pull: 92,380 lbs (411kN)
- Maximum Speed: 2,880 fpm (878 m/min)
- Pulling clutch: Madill 26" x 5" (660 mm x 127 mm)
- Slip clutch: Eaton 124
- Brake: 37" x 4" (940 mm x 102 mm) band w/maxi

### Haulback Drum

- Capacity: 4,660 ft. (1420 m) of Ø7/8" rope with grooved drum
- Maximum Pull: 92,380 lbs (411 kN)
- Maximum Speed: 3,630 fpm (1106 m/min)
- Pulling clutch: Madill 26" x 5" (660 mm x 127 mm)
- Slip clutch: Eaton 224 Hi-Co
- Brake: Dual 37" x 4" (940 mm x 102 mm) band w/maxi

### Strawline Drum

- Capacity: 5,440 ft. (1658 m) of Ø3/8" rope
- Maximum Pull: 16,000 lbs (71 kN)
- Maximum Speed: 8,100 fpm (2469 m/min)
- Clutch: Wichita 216
- Brake: 40" (1016 mm) disc with caliper

As all Madill product is subject to a continuous improvement program, specifications may change without prior notice.

# MADILL

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Replaces all previous versions  
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## Hydraulics

- In-line piston pump with load sensing and horse power compensation, with valves for: Travel, Swing, Boom Hoist, and Guylines
- Gear pump with valves for: Pilot controls and Pull clutches
- Axial piston pump for hydraulic cooling fan drive

## Cab

- Madill rear entry, climate controlled, cab forward sloped for good visibility, 15 foot eye level
- Electric over air/hydraulic yarding controls
- High visibility, highly abrasion resistant, polycarbonate windows
- Hydraulic tilting riser for transport
- Touch screen display with engine, transmission, and winch gauges

## Boom and Gantry

### Boom

- 60 ft. (18.3 m) yarding boom
- 2 – 18" x 6" (457 mm x 152 mm) swiveling main fairleads
- 1 – 23" x 4" (584 mm x 102 mm) swiveling haulback fairlead
- Boom mounted cab guard

### Boom Hoist

- Capacity: 450 ft. (137m) of Ø3/4" (19 mm) rope
- Maximum Pull: 8,500 lbs (37.8 kN)
- Maximum Speed: 165 fpm (50 m/min)
- Drive: Hydraulic motor
- Brake: Spring set, automatic hydraulic release disc brake caliper and spring set, air release dog

### Gantry and Guylines (3)

- 40 ft. (12.2 m) high complete with walk over guyline fairlead
- Capacity: 225 ft. (69 m) of Ø1-1/8" (28.5 mm) single part
- Max Pull: 8,500 lbs (37.8 kN) / Max Speed: 165 fpm (50 m/min)
- Spring set air release dog

## Shipping Weight

- 125,000 lbs. (56.7 metric tonnes) approximate, including 100 gallons of fuel (380 liters) and without lines

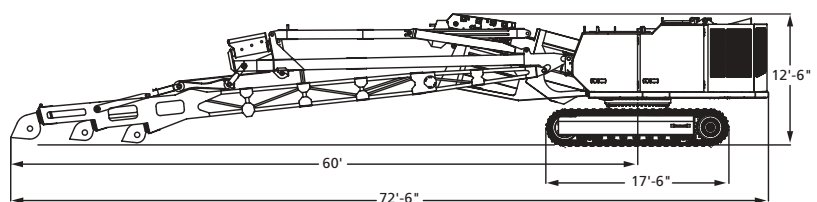


Diagram: Madill 124 Swing Yarder in lowest height position.