

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

NICHOLSON MANUFACTURING LTD.
9896 Galaran Road, P.O. Box 2128
Sidney, BC Canada V8L 3S6

Tel: +1 250-654-2223
www.madillequipment.com

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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

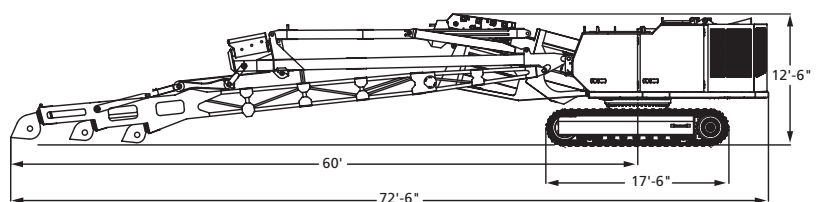


Diagram: Madill 124 Swing Yarder in lowest height position.