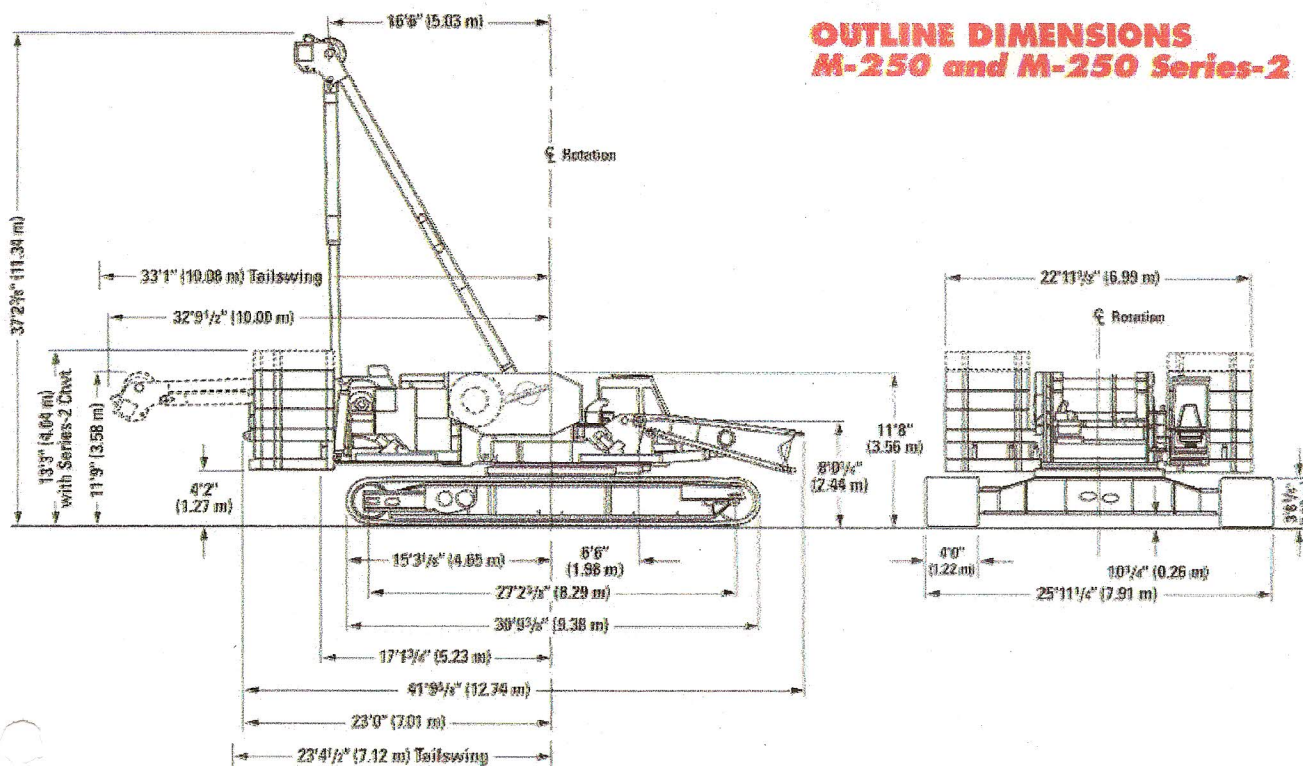


OUTLINE DIMENSIONS M-250 and M-250 Series-2



SPECIFICATIONS

UPPERWORKS

ROTATING BED: Fabricated steel rotating bed equipped with Manitowoc's patented **Fast Aligning Connection Technology (FACT™)** system for rapid attachment to rotating module on carbody. FACT system uses alignment devices, power-activated pins, and H-FACT® hydraulic quick coupler to speed crane assembly and disassembly.

DRUMS: Basic arrangement is a split rear drum-shaft assembly. Right drum 1,140mm wide and 572mm in diameter. Left drum 479mm wide and 572mm in diameter. Shaft and drums are antifriction-bearing mounted. Shaft driven by a fixed-displacement double-bank radial-piston hydraulic motor through a spur-gear reduction. Internal-expanding drum clutches are spring set, air released. External-contracting drum brakes are air applied, spring released. Parking brakes are spring set, air released. Front drum optional.

BOOM HOIST: Independent two-drum boom hoist is driven by variable-displacement hydraulic motor coupled to an integral brake and a planetary reduction. Grooved drums are 19 1/2" wide by 23" diameter. Drum-rotation indicator and ratchet-and-pawl are standard.

SWING SYSTEM: Independent swing powered by a fixed-displacement hydraulic motor coupled to an internal brake and planetary reduction mounted in the carbody assembly. Includes gear segment type swing lock.

OPERATOR'S STATION: Fully enclosed and insulated steel module mounted to the left front corner of the rotating bed. Module is equipped with sliding door, large safety glass windows on all sides and in roof. Standard equipment includes electric horn, cab space heater, dome light, fire extinguisher, air-circulating fan, and windshield wipers for upper front window,

lower front window, and roof window. Module can be repositioned for transportation.

ENGINE/TRANSMISSION: Cummins N14-C450 diesel engine rated 336W at 2,100 RPM provides independent power for all operations through the multi-hydraulic-pump transmission. Power system includes engine block heater (120V), ether starting aid, transmission disconnect clutch, high-silencing muffler, alcohol injector in air line, hydraulic oil cooler, radiator, and fan.

CONTROLS: Electronic-over-hydraulic controls and closed-looped hydraulics provide infinitely variable speed response in proportion to control lever movement. Manitowoc's patented **Electronically Processed Independent Control (EPIC®)** system provides microprocessor-driven control logic, pump control, onboard diagnostics, and service information. Selector switch permits load-hoist drums to be operated in either free-fall or power-down mode. Rotation indicator standard for each drum. Block-up limit controls for main and auxiliary hoist lines are standard.

LOWERWORKS

CARBODY: Connects rotating bed and crawler frames. Fabricated steel rotating module mounts to single-piece carbody via a 1.22m diameter turntable bearing. Crawler frames are mounted to the carbody with FACT connection system of power-actuated pins.

CRAWLERS: Crawler assemblies are 9.37m long reinforced steel fabrications with 1.22m wide cast-steel treads and sealed "low-maintenance" intermediate rollers. Each crawler powered independently by two variable-displacement hydraulic motors and a planetary-and-spur gear reduction, which drives a chain to the crawler drive tumbler. Crawlers provide counter-rotation capability.