



# Cat<sup>®</sup> MH3037

## *Wheel Material Handler*

### Safe and Comfortable

Safety begins before you move material. Ground-level access to the cab – whether the cab is in front, behind or to the side of the machine – makes it easy for operators to get to work.

- MH3037 cab riser can reach 5.5 m (18'0") (eye level) in approximately eight seconds and return to the ground in approximately 10 seconds
- Safety valves located in the cab and at ground level manually lower the cab in the event of power loss
- Joysticks in lieu of a steering wheel improve job site visibility and operator ingress/egress
- Windows can be cleaned at ground level, quickly, easily
- Rearview camera on counterweight enhances visibility to worksite
- Stick limiter prevents work tool from coming into close proximity to the operator station
- Front and top cab guards protect operator from debris
- Electro hydraulic controls can be customized to suit operator preferences

### More Power, Less Fuel

Moving material takes strength. Moving material efficiently takes a smart, fuel-efficient design.

- Cat<sup>®</sup> C7.1 engine with ACERT<sup>™</sup> Technology produces up to 168 kW (225 hp) and meets EU Stage IV emission requirements
- Equipped with a debris resistant cooling system with auto reversing fan and side by side coolers to maximize uptime
- Boom regeneration valve regenerates the flow of oil from the head end of the boom cylinder to the rod end of the cylinder during "boom down" operation, saving energy
- Upper and lower control valves now divided for more efficient hydraulic utilization
- Fuel saving auto idle feature reduces the engine rpm back to idle after five seconds of inactivity and the auto engine shutdown feature will activate and turn off the engine after five minutes

### Built for Productivity

One machine, two possible front configurations: short and long. Choose the one that's right for your operation.

- The short front stick configuration provides 14.4 m (47'4") horizontal reach and 16.4 m (53'4") vertical pin height
- The long front stick configuration provides 15.9 m (52'0") horizontal reach and 17.7 m (58'0") vertical pin height
- Both boom and stick top and side plates are built from single plates of steel to eliminate the need for internal baffles and cross boom weld joints
- The new tapered frame design evenly distributes loads and reduces stresses throughout the frame, providing a large stabilized footprint
- Enhanced sorting ability through the proprietary solid state generator control
- Programmable electro hydraulic controls

### Easy to Service

The easier it is to run maintenance checks and perform routine service, the faster you return to work.

- Cat Product Link<sup>™</sup> remote monitoring helps you take the guesswork out of asset management
- Ease of access to components and primary service points through convenient service panels and platforms on the sides and top of the machine
- Spacious, well-lit compartments
- Centralized test ports
- Machine operating system alerts operator and equipment maintenance staff of urgent maintenance tasks
- Hydraulic hoses and electrical wiring labeled to ease maintenance
- Automatic lubrication system is factory set to 15 minute intervals, improving machine life and reducing operating costs

**BUILT FOR IT.<sup>™</sup>**



# Cat® MH3037 Wheel Material Handler

## Engine

Engine Model	Cat C7.1 ACERT	
Emissions	Stage IV	
Net Power (ISO 9249)	168 kW	225 hp
Bore	105 mm	4.1"
Stroke	135 mm	5.3"
Displacement	7.0 L	428 in <sup>3</sup>
Cylinders	6 in-line	
Maximum Torque @ 1,400 rpm	1.09 kN·m	803.9 lbf·ft

## Weights

Operating Weight (without work tool attachment)	39 500 kg	87,083 lb
Operating Weight (with 4-tine orange peel grapple GSH425)	41 059 kg	90,520 lb
Boom	3665 kg	8,080 lb
Stick (long)	2484 kg	5,464 lb
Stick (short)	2253 kg	4,956 lb

## Swing Mechanism

Swing Speed	7.6 rpm	
Swing Torque	84 kN·m	62,000 lbf·ft
Swing System	Closed loop hydrostatic system with electro-proportional controls	
Maximum Swing Pump Flow	129 L/min	34 gal/min

## Transmission

Maximum Travel Speed	20 km/h	12.4 mph
Creeper Speed	5.3 km/h	3.3 mph
Maximum Gradeability	35% or 19 degrees	

## Service Refill Capabilities

Fuel Tank	416 L	91.6 gal
Diesel Exhaust Fluid Tank	22.71 L	5.0 gal
Cooling System	38 L	8.33 gal
Engine Crankcase with Filter	18 L	8.33 gal
Hydraulic Tank	379 L	83.27 gal
Hydraulic System (including tank)	606 L	133.23 gal
Steering Axle	28.5 L	6.27 gal
Rear Axle	37.5 L	8.24 gal

## Undercarriage

Ground Clearance at Lowest Point	297 mm	11.7"
Oscillation Axle Angle	±2.5 degrees	
Minimum Turning Radius (inside)	6.4 m	21'0"

All gal references are in imperial measurement.

## Hydraulic System: Maximum Pressure

Implement Circuit	31 716 kPa	4,600 psi
Travel Circuit	33 095 kPa	4,800 psi
Auxiliary Circuit – Medium Pressure		
Factory Setting	15 168 kPa	2,200 psi
Maximum Allowable Relief Setting	17 237 kPa	2,500 psi
Swing Circuit	37 921 kPa	5,500 psi

## Hydraulic System: Maximum Flow

Implement Circuit	481 L/min	105.75 gal/min
Auxiliary Circuit – High Pressure	208 L/min	45.8 gal/min
Auxiliary Circuit – Medium Pressure	76 L/min	16.65 gal/min
Operating Temperature	54-60° C	130-140° F

## Dimensions

All dimensions are approximate.

Shipping Height	3334 mm	10'11"
Shipping Length	12.6 m	41'2"
Tail Swing Radius	3147 mm	10'4"
Counterweight Clearance	1578 mm	5'2"
Cab Clearance – Lowered to Ground*	242 mm	9.5"
Cab Height		
Transportation	3314 mm	10'10"
Raised to Top of FOGS Guard	5883 mm	19'2"
Wheel Base	2998 mm	9'10"
Undercarriage Width	2995 mm	9'10"
Stabilizer Width on Ground	5033 mm	16'6"
Undercarriage Length	5866 mm	19'3"
Shipping Width	2997 mm	10'0"

\*Factory set at 242 mm (9.5") – adjustable through the operating system to be lower or higher.

## Working Ranges Without Work Tool Attachment

	Long Front		Short Front	
Boom Length	8.84 m	29'0"	8.84 m	29'0"
Stick Length	7.2 m	23'6"	5.8 m	19'0"
Maximum Height	17.7 m	58'0"	16.4 m	53'4"
Maximum Reach	15.9 m	52'0"	14.4 m	47'4"
Maximum Depth	4.9 m	16'0"	3.6 m	11'9"

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