

SPECIFICATIONS

HW250MH

Tier 4 Final Engine

Net Power

SAE J1349 / 174 HP
(129.4 kW) at 2,000 rpm

Mono Boom

6.5 m (21' 4")

Arm

4.5 m (14' 9")

Operating Weight

26,100 kg (57,540 lb)

| ENGINE | | | |
|----------------------------|-----|----------------|---|
| Maker / Model | | | Cummins QSB6.7 |
| Type | | | 4-cycle turbocharged, charged air, cooled diesel engine |
| Rated flywheel horse power | SAE | J1995 (gross) | 183 HP (136.8kW) at 2,000 rpm |
| | | J1349 (net) | 174 HP (129.4kW) at 2,000 rpm |
| | DIN | 6271/1 (gross) | 186 PS (136.8kW) at 2,000 rpm |
| | | 6271/1 (net) | 176 PS (129.4kW) at 2,000 rpm |
| Max. torque | | | 85.7 kg fm (620 lbf ft) / 1,500 rpm |
| Bore x stroke | | | 107 x 124 mm (4.2" x 4.9") |
| Piston displacement | | | 6700 cc (409 in³) |
| Batteries | | | 2 x 12 V x 100 Ah |
| Starting motor | | | Denso 24 V - 4.8 kW |
| Alternator | | | Denso 24 V - 95 Amp |

HYDRAULIC SYSTEM

MAIN PUMP

| | |
|--|--|
| Type | Variable displacement tandem axis piston pumps |
| Max. flow | 2 x 234 l/min (61.8 gpm) |
| Sub-pump for pilot circuit (Gear Pump) | 25.5 l/min (6.7 gpm) |

CROSS-SENSING AND FUEL-SAVING PUMP SYSTEM

HYDRAULIC MOTORS

| | |
|--------|--|
| Travel | Two speed axial pistons motor with brake valve and parking brake |
| Swing | Axial piston motor with automatic brake |

RELIEF VALVE SETTING

| | |
|---------------------------------|-------------------------|
| Implement circuits | 350 kgf/cm² (4,980 psi) |
| Travel | 380 kgf/cm² (5,400 psi) |
| Power boost (boom, arm, bucket) | 380 kgf/cm² (5,400 psi) |
| Swing circuit | 265 kgf/cm² (3,770 psi) |
| Pilot circuit | 40 kgf/cm² (570 psi) |
| Service valve | Installed |

HYDRAULIC CYLINDERS

| | |
|-------------------------------|-------------------------|
| No. of cylinder bore X stroke | Boom: 120 x 1,290 mm |
| | Arm: 140 x 1,510 mm |
| | Outrigger: 130 x 427 mm |

DRIVES & BRAKES

| | |
|--------------------------------|--|
| Drive method | Fully hydrostatic type |
| Drive motor | Axial piston motor, in-shoe design |
| Reduction system | Planetary reduction gear |
| Max. drawbar pull | 11,600 kgf (25,570 lbf) |
| Max. travel speed (high / low) | 35 km/h (21.7 mph) / 9.1 km/h (5.65 mph) |
| Gradeability | 33° (65%) |

Service Brake :

- Independent dual brake, front and rear axle full hydraulic power brake.
- Spring released and hydraulic applied wet type multiple disc brake.

Parking Brake :

- Spring applied and hydraulic released wet disc brake type in transmission.



CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

| | |
|------------------------|--|
| Pilot control | Two joysticks with one safety lever (LH): Swing and arm, Boom and bucket (RH): Boom and bucket (ISO) |
| Traveling and steering | Two levers with pedals |
| Engine throttle | Electric, Dial type |

OPERATING WEIGHT (APPROXIMATE)

Operating weight including 6.5 m (21' 4'') Straight boom, 4.5 m (14' 9'') Gooseneck arm, 0.60 m³ (0.78 yd³), Lubricant, Coolant, Full Fuel Tank and Hydraulic Tank and etc.

OPERATING WEIGHT

| | |
|--|-----------------------|
| Front and rear outrigger | 26,100 kg (57,540 lb) |
| Front and rear outrigger with orange grapple | 27,500 kg (60,630 lb) |

SWING SYSTEM

| | |
|---------------------------|---------------------------------------|
| Swing motor | Fixed displacement axial piston motor |
| Swing reduction | Planetary gear reduction |
| Swing bearing lubrication | Grease-bathed |
| Swing brake | Multi wet disc |
| Swing speed | 9.7 rpm |

SERVICE REFILL CAPACITIES

| | liter | US gal |
|-----------------------------------|-------|--------|
| Re-filling | | |
| Fuel tank | 310.0 | 81.9 |
| Engine coolant | 40 | 10.6 |
| Engine oil | 23.7 | 6.3 |
| Swing device | 6.2 | 1.6 |
| Axle | Front | 14.6 |
| | Rear | 18.5 |
| Hydraulic system (including tank) | 340.0 | 89.8 |
| Hydraulic tank | 165.0 | 43.6 |
| DEF/AdBlue® | 27 | 7.1 |

UNDERCARRIAGE

Reinforced box-section frame is all-welded, low-stress.

| | |
|---------------------------|--|
| Front and Rear Outriggers | Indicated for max. operation stability when digging and lifting. |
|---------------------------|--|

SPECIFICATIONS

HW250 MH

Tier 4 Final Engine

HW250 MH DIMENSIONS

Unit: mm (ft-in)

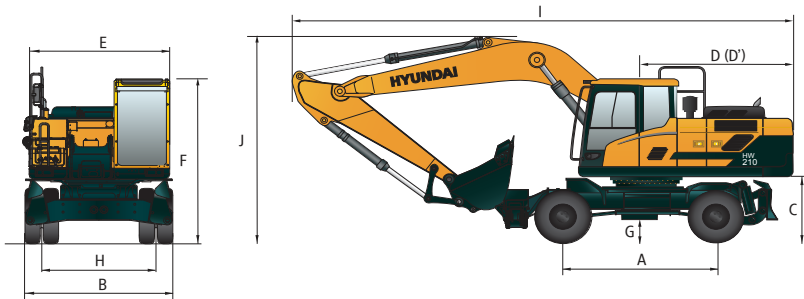
6.5 m (21' 4") Mono boom, 4.5 m (14' 9") Gooseneck Arm

| | | | |
|----|-----------------------------------|-------|----------|
| A | Wheel base | 2,800 | (9' 2") |
| B | Short Axle | 2,530 | (8' 4") |
| | Wide Axle (Standard) | 2,700 | (8' 10") |
| C | Ground clearance of counterweight | 1,300 | (4' 3") |
| D | Rear-end distance | 2,840 | (9' 4") |
| D' | Rear-end swing radius | 2,913 | (9' 7") |
| E | Upperstructure width | 2,530 | (8' 4") |
| F | Overall height of cab | 3,245 | (10' 8") |
| G | Min. ground clearance | 353 | (1' 2") |
| H | Tread | 1,914 | (6' 3") |

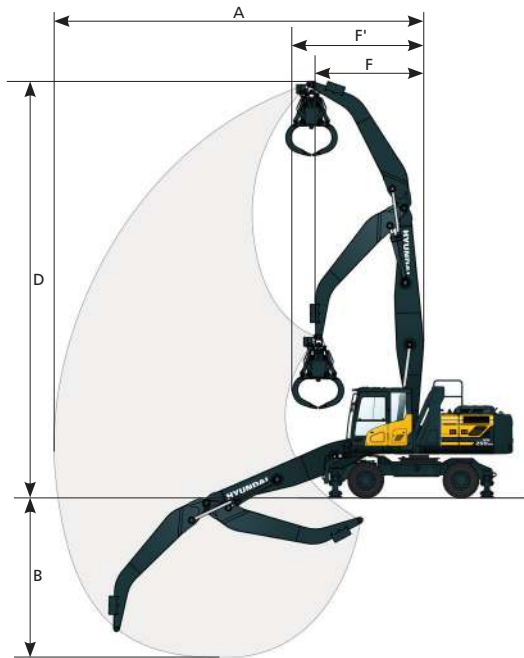
HW250 MH WORKING RANGE

Unit : mm (ft-in)

| | | | |
|-------------|--------------------------------------|-------------------------|-----------------|
| Boom length | | 6,500 (21' 4") | |
| Arm length | Gooseneck Arm | Straight Arm (Optional) | |
| | 4,500 (14' 9") | 4,000 (13' 1") | |
| A | Max. digging reach | 10,700 (35' 1") | 10,400 (34' 1") |
| B | Max. digging depth | 4,700 (15' 5") | 4,200 (13' 9") |
| D | Max. digging height | 12,000 (39' 4") | 12,000 (39' 4") |
| F | Min. swing radius (without grappler) | 2,700 (8' 10") | 2,700 (8' 10") |
| F' | Min. swing radius (without grappler) | 3,000 (9' 10") | 3,000 (9' 10") |



| | |
|---|-----------------|
| Boom length | 6,500 (21' 4") |
| Arm length | 4,500 (14' 9") |
| I Overall length (Shipping position) | 9,730 (31' 11") |
| J Overall height of boom (Traveling position) | 3,200 (10' 6") |
| K Overall height of guardrail | 3,460 (11' 4") |



SPECIFICATIONS

HW250 MH

Tier 4 Final Engine

- RATING OVER FRONT
- () RATING OVER SIDE

HW250 MH GOOSENECK ARM

6.5 m (21' 4") Mono boom, 4.5 m (14' 9") Arm

| | | 12 m (39.3 ft) | 11 m (36 ft) | 10 m (32.8 ft) | 9 m (29.5 ft) | 8 m (26.2 ft) | 7 m (22.9 ft) | 6 m (19.6 ft) | 5 m (16.4 ft) | 4 m (13.1 ft) | 3 m (9.8 ft) | 2 m (6.5 ft) | 1 m (3.2 ft) | 0 m/ft |
|--------------------|--|-------------------|-----------------|-------------------|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------|-----------------|--------|
| 13 m (42.6 ft) | | | | | | | | | | | | | | |
| 12 m (39.3 ft) | | | | | | | | | | | | | | |
| 11 m (36 ft) | | | | | | | | | 12,873 (12,873) | | | | | |
| 10 m (32.8 ft) | | | | | | | 9,360 (9,360) | 11,331 (11,331) | 12,213 (12,213) | | | | | |
| 9 m (29.5 ft) | | | | | | 8,840 (8,840) | 10,280 (10,280) | 10,928 (10,928) | 11,775 (11,775) | | | | | |
| 8 m (26.2 ft) | | | | | | 9,581 (9,581) | 10,152 (10,152) | 10,857 (10,857) | 11,735 (11,735) | | | | | |
| 7 m (22.9 ft) | | | | | 9,014 (9,014) | 9,576 (9,576) | 10,251 (10,251) | 11,069 (11,069) | 12,075 (12,075) | | | | | |
| 6 m (19.6 ft) | | | | 7,186 (7,186) | 9,041 (9,041) | 9,722 (9,722) | 10,535 (10,535) | 11,539 (11,539) | 12,802 (12,802) | | | | | |
| 5 m (16.4 ft) | | | | 8,441 (7,552) | 9,157 (9,078) | 9,971 (9,971) | 10,979 (10,979) | 12,220 (12,220) | 13,894 (13,894) | 16,207 (16,207) | | | | |
| 4 m (13.1 ft) | | | | 8,478 (7,455) | 9,314 (8,092) | 10,280 (10,280) | 11,481 (11,481) | 13,054 (13,054) | 15,243 (15,243) | 18,548 (18,548) | 24,092 (24,092) | | | |
| 3 m (9.8 ft) | | | | 8,505 (7,334) | 9,470 (8,710) | 10,591 (10,505) | 12,011 (12,011) | 13,920 (13,920) | 16,670 (16,670) | 21,042 (21,042) | | | | |
| 2 m (6.5 ft) | | | | 8,478 (7,213) | 9,574 (8,516) | 10,842 (10,218) | 12,454 (12,454) | 14,641 (14,641) | 17,861 (17,861) | 23,003 (23,003) | | | | |
| 1 m (3.2 ft) | | | | 8,346 (7,105) | 9,570 (8,339) | 10,965 (9,958) | 12,721 (12,154) | 15,091 (15,091) | 18,529 (18,529) | 22,134 (22,134) | | | | |
| 0 Line | | | | 8,037 (7,023) | 9,400 (8,198) | 10,893 (9,746) | 12,734 (11,858) | 15,159 (14,886) | 18,632 (18,632) | 22,134 (18,632) | 11,062 (11,062) | | | |
| -1 m (-3.2 ft) | | | | 7,457 (6,985) | 8,990 (6,985) | 10,555 (9,601) | 12,416 (11,653) | 14,785 (14,624) | 17,949 (17,949) | 21,264 (18,264) | 24,469 (12,469) | | | |
| -2 m (-6.5 ft) | | | | | 8,251 (8,079) | 9,887 (9,532) | 11,704 (11,543) | 13,922 (13,922) | 16,721 (16,721) | 19,963 (18,963) | 24,006 (14,006) | | | |
| -3 m (-9.8 ft) | | | | | | | | | | | | | | |
| -4 m (-13.1 ft) | | | | | | | | | | | | | | |
| -5 m (-16.4 ft) | | | | | | | | | | | | | | |

NOTES:

- Lifting capacity is based on SAE J1097, ISO 10567. *Without Grapppler.*
- Load point is the end pin point of front attachment.
- Lifting capacity does not exceed 75% of tipping load or 87% of hydraulic capacity.
- Lifting capacity is based on 350k system pressure therefore boost condition may have more lifting force.

SPECIFICATIONS HW250 MH

Tier 4 Final Engine

| ENGINE | STD | OPT |
|---|-----|-----|
| Cummins QSB 6.7 engine | • | |
| HYDRAULIC SYSTEM | STD | OPT |
| Intelligent Power Control (IPC) | | |
| 3-power mode, 2-work mode, user mode | • | |
| Variable Power Control | • | |
| Pump Flow Control | • | |
| Attachment Mode Flow Control | • | |
| Engine Auto Idle | • | |
| Engine Auto Shutdown Control | | • |
| Electronic Fan Control | • | |
| CAB & INTERIOR | STD | OPT |
| ISO Standard cabin | | |
| Rise-up type windshield wiper | • | |
| Radio / USB player | • | |
| Handsfree mobile phone system with USB | • | |
| 12 volt power outlet (24V DC to 12V DC converter) | • | |
| Electric horn | • | |
| All-weather steel cab with 360°visibility | • | |
| Safety glass windows | • | |
| Sliding fold-in front window | • | |
| Sliding side window(LH) | • | |
| Lockable door | • | |
| Hot & cool box | • | |
| Storage compartment & Ashtray | • | |
| Transparent cabin roof-cover | • | |
| Sun visor | • | |
| Door and cab locks, one key | • | |
| Mechanical suspension seat with heater | • | |
| Pilot-operated slidable joystick | • | |
| Console box height adjust system | • | |
| Automatic climate control | | |
| Air conditioner & heater | • | |
| Defroster | • | |
| Starting Aid (air grid heater) for cold weather | • | |
| Centralized monitoring | | |
| 8" LCD display | • | |
| Engine speed or Trip meter/Accel. | • | |
| Engine coolant temperature gauge | • | |
| Max power | • | |
| Low speed/High speed | • | |
| Auto idle | • | |
| Overload | • | |
| Check Engine | • | |
| Air cleaner clogging | • | |
| Indicators | • | |
| ECO Gauges | • | |
| Fuel level gauge | • | |
| Hyd. oil temperature gauge | • | |
| Fuel warmer | • | |
| Warnings | • | |
| Communication error | • | |
| Low battery | • | |
| Clock | • | |
| Cabin lights | | • |
| Cabin front window rain guard | | • |
| Cabin roof-steel cover | | • |

| CAB & INTERIOR | STD | OPT |
|---|-----------|-----|
| Seat | | |
| Adjustable air suspension seat with heater | • | |
| Cabin FOPS/FOG | | |
| FOPS (Falling Object Protective Structures)ISO 3449 Level 2 | | • |
| FOG (Falling Object Guard) | | • |
| Cabin ROPS | | |
| ROPS (Roll Over Protective Structures) | • | |
| SAFETY | STD | OPT |
| Battery master switch | • | |
| Rearview camera | | • |
| AAVM (Advanced Around View Monitoring) | | • |
| Four front working lights (2 boom mounted, 2 front frame mounted) | • | |
| Travel alarm | | • |
| Rear work lamp | | • |
| Beacon lamp | | • |
| Automatic swing brake | • | |
| Boom holding system | | • |
| Arm holding system | | • |
| Safety lock valve for boom cylinder with overload warning device | | • |
| Safety lock valve for arm cylinder | | • |
| Swing Lock System | | • |
| Four outside rearview mirror | • | |
| OTHER | STD | OPT |
| Booms | | |
| 6.5 m (21' 4") Mono boom | • | |
| Arms | | |
| 4.0 m (13' 1") Straight | | • |
| 4.5 m (14' 9") Gooseneck | • | |
| Removable clean-out dust net for cooler | • | |
| Removable reservoir tank | • | |
| Fuel pre-filter | • | |
| Fuel warmer | single | • |
| | dual | • |
| Self-diagnostics system | • | |
| Hi-mate (Remote Management System) | Mobile | • |
| | Satellite | • |
| Batteries (2 x 12V x 100 AH) | • | |
| Fuel filler pump (50 L/min) | | • |
| Double-acting piping kit (clamshell, etc.) | • | |
| Rotating Piping Kit | • | |
| Quick coupler piping | | • |
| Quick coupler | | • |
| Accumulator for lowering work equipment | • | |
| Pattern change valve (2 patterns) | • | |
| Fine Swing Control System | | • |
| Tool kit | | • |
| Travel pedal (2way) | | • |
| UNDERCARRIAGE | STD | OPT |
| Front and rear outrigger | • | |
| Tires-dual (10.00-20-16PR tube) | • | |
| Tires-dual (10.00-20 solid) | | • |

* Standard and optional equipment may vary. Contact your Hyundai dealer for more information.
 The machine may vary according to International standards.
 * The photos may include attachments and optional equipment that are not available in your area.
 * Materials and specifications are subject to change without advance notice.
 * All imperial measurements rounded off to the nearest pound or inch.



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