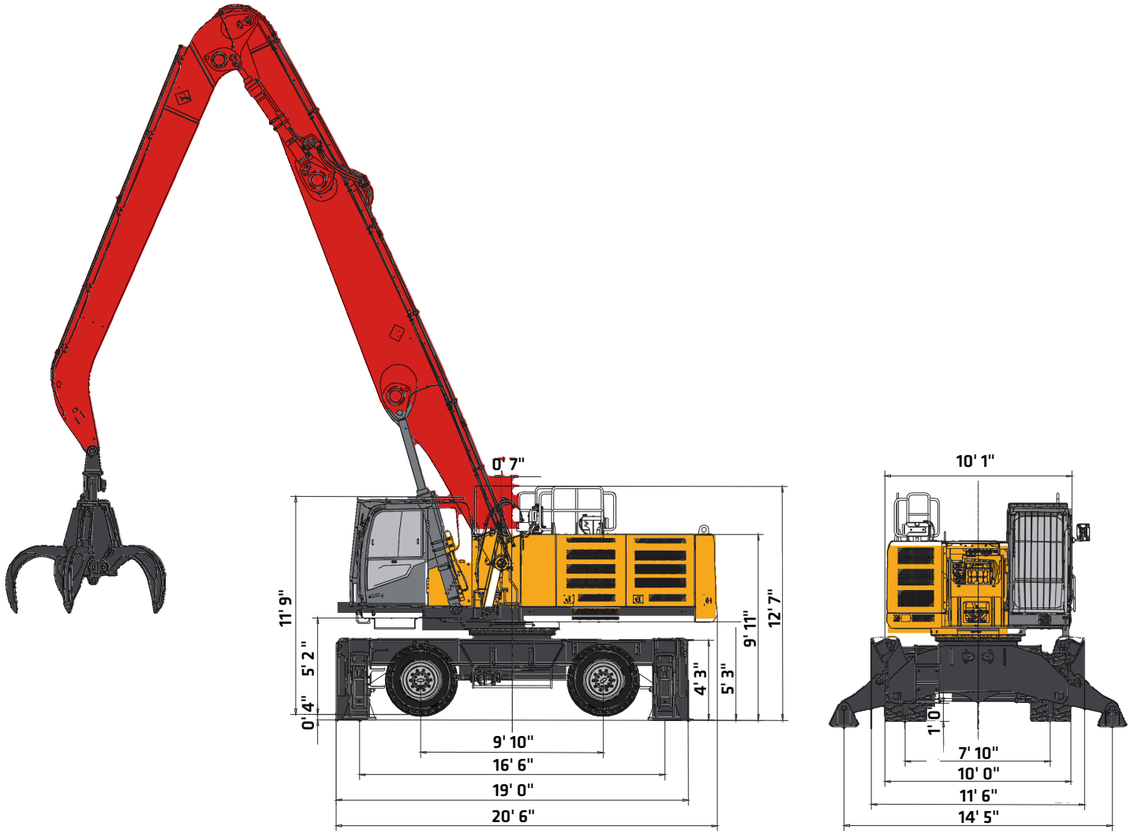

DIMENSIONS

Overall Length (Excluding Boom and Gripper)	20' 6"
Overall Width (Excluding Gripper) (Including Outriggers Up)	11' 6"
Overall Height (Excluding Boom and Gripper)	12' 7"
Cabin Elevation Height	8' 8"
Outrigger Transverse Span (Operating)	14' 5"
Outrigger longitudinal span (Operating)	16' 6"
Tail Swing Radius	11' 4"
Wheel Width	10' 0"
Wheelbase	9' 10"
Boom Length-Option 1	32' 2"
Boom Length-Option 2	28' 11"
Stick Length-Option 1	24' 7"
Stick Length-Option 2	21' 8"

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INDUSTRY'S STRONGEST STANDARD WARRANTY | 3-YEAR* 6,000 HOURS

*Warranty applies to 2026 Material Handler Models

SANY America Inc. 318 SANY Way
Peachtree City, Georgia 30269
470.552.SANY sanyamerica.com

SMHW40G5

SANY

MATERIAL HANDLER

87,082 LBS OPERATING WEIGHT
225 HP NET HORSEPOWER
17' 7" MAX OPERATING DEPTH

TECHNICAL SPECIFICATIONS

MACHINE DATA	
Engine	Cummins QSB6.7-168 Stage 5
Engine Emission	Stage V
Engine Rated Power	225 hp / 2,000 rpm
Engine Rated Torque	770 lb-ft / 1,500 rpm
Operating Weight (Excluding Grip)	87,082 lbs
Max. Operating Radius (Without Gripper)	54' 2"
Max. Operating Depth (Without Gripper)	17' 7"
Max. Operating Height (Excluding Gripper)	59' 1"
Max. Rotating Speed	8 rpm
Max. Gradeability	30%
Max. Traveling Speed	12 mph
Min. Turning Radius	27' 11"
Hydraulic System Relief Pressure	4,641 psi
Hydraulic System Total Displacement	0.0423 + 0.0423
System Voltage	24 v
Load Capacity (Maximum Range)	8,377 lbs @ 54' 2"
Load Capacity (Usual Range)	16,754 lbs @ 34' 5"
Drive Mode	Hydraulic Drive

COMPONENTS	
Radiator	Radiator ZH1180x570x1350-S89Y92Z28
Slewing Reducer	Reducer GS20D25C-G1H1N
Slewing Bearing	Slewing Bearing SSF1405.50CWHIV
Central Rotary Joint	Center Rotation Connector Assembly SMHW80.8.1.2.3A
Main Pump	Composite Pump Unit K5V160DP-1C1R-2E40-VC
Transmission	Transmission 2TG293
Axle	Front Axle SF0410A0-3
Axle	Rear Axle QR0401A0-3

*Operating weight is for the SMHW40G5 with no attachments, and standard stick.

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MATERIAL HANDLER SMHW40G5

STANDARD FEATURES

ENGINE
- Cummins QSB6.7-168 Stage 5
- Auto-idle & Auto-idle-shutdown
- Dual-element dry air filter
- Batteries 24V (2 – 12V)
- Coolant Expansion tank
- Electronic engine control
- Enclosed fan guard
- Engine coolant to –34 deg. F
- Fuel filter with water separator
- Full-flow oil filter
- Turbocharger with charge air cooler
- High flow hydraulically powered cooling fan
- 500-hour engine-oil-change interval
- 70% (35 deg.) off-level capability
- Engine air precleaner
- Severe-duty fuel filter

HYDRAULIC SYSTEM
- Spring-applied, hydraulically released automatic swing brake
- Auxiliary hydraulic-flow adjustments through monitor
- Control pattern change valve
- Auxiliary hydraulics with 1 and 2-way combination piping for high flow
- Auxiliary hydraulics with 2- way rotation piping and controls
- Auxiliary pilot and electric controls
- Quick coupler plumbing and control
- Boom Cylinder
- Motion Arm Explosion-proof Valve
- Hydraulic Control Valve / Multi-way Valve
- Arm Cylinder
- Blast-proof Gate Valves

UNDERCARRIAGE
- Front axle SF0410A0-3
- Rear axle QR0401A0-3
- Planetary drive with axial piston motors
- Transmission 2TG293
- Reducer GS20D25C-G1H1N
- Slewing bearing SSF1405.50CWHIV
- Center rotation connector assembly SMHW80.8.1.2.3A
- Propel motor shields
- 2-speed travel selection
- Undercarriage frame opening guard

BOOM & STICK
- Boom (Option 1) 32' 2"
- Boom (Option 2) 28' 11"
- Stick (Option 1) 24' 7"
- Stick (Option 2) 21' 8"

UPPERSTRUCTURE
- Right-hand, left-hand, and counterweight mirrors
- Vandal lock: Cab door /Service door/ Toolbox/Cab Filter
- Debris screen in side panel
- Remote-mounted engine oil and fuel filters
- Heavy duty triangle channel frame guard

ATTACHMENTS
- Convenient grease points
- Centralized lubrication system
- Oil-impregnated bushings
- Reinforced resin thrust plates

OPERATOR'S STATION
- Adjustable independent-control positions
- AM/FM radio with USB charging and Bluetooth® connectivity
- Auto climate control/air conditioner/heater/pressurizer
- Built-in Operator's Manual storage compartment and manual
- 12 and 24V outlets 60 watt 5 amp
- Deluxe heated air suspension cloth seat with adjustable armrests
- Heavy duty rubber floor mat
- Front windshield wiper with intermittent speeds
- Illuminated gauge: diesel exhaust fluid, engine coolant, and fuel levels
- Horn, electric
- Hour meter, electric
- Hydraulic shutoff lever, all controls
- Interior light
- Large cup holder
- Digital Power mode selection: 3 power modes
- Digital tool selection: bucket, shear, hammer, etc.
- 10" Touch screen LCD monitor
- Motion alarm with cancel switch (conforms to SAE J994)
- Auxiliary hydraulic control switches in right console lever
- 3" Orange retractable seat belt
- Transparent overhead hatch
- Heated or cooled food/beverage storage
- Hydraulic oil filter restriction indicator light
- Protection screens for cab front, rear, and side (optional)

ELECTRICAL
- 60-amp alternator
- Ground level electrical disconnect (lockout tag out)
- Blade-type multi-fused circuits
- Positive-terminal battery covers
- Rearview and blind-side camera

LIGHTS
- Bright LED worklight package

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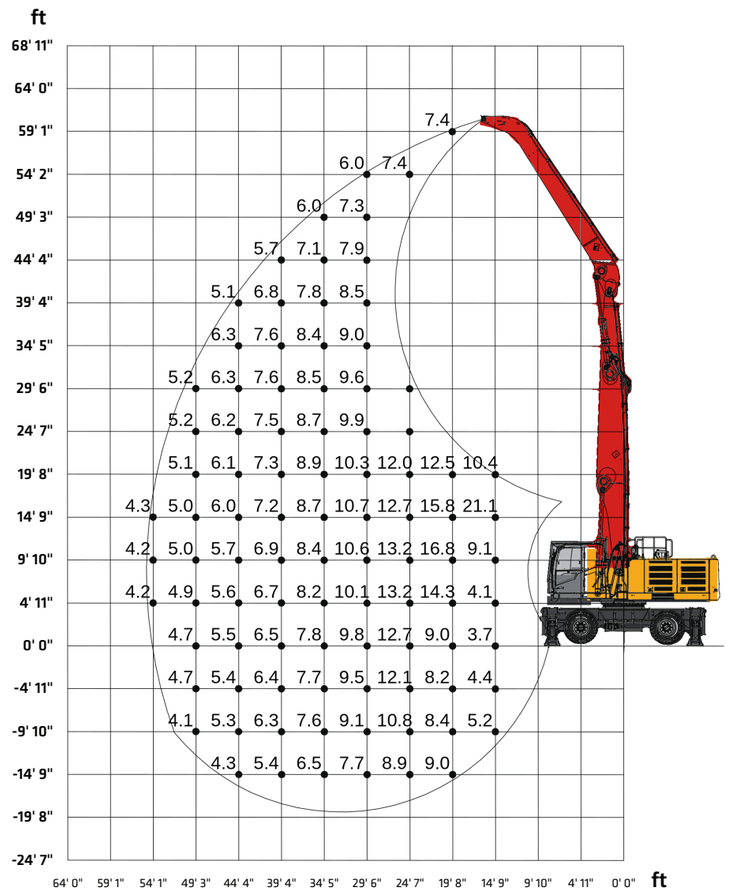
LIFTING PERFORMANCE

Standard 32' 2" Boom
Standard 24' 7" Stick
Standard 7' 7" Track Width
No Bucket

Ratings are based on ISO 10567:2007. Lift capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% of hydraulic lifting capacity.

LIFT CAPACITIES OF MATERIAL HANDLER

(Boom 32' 2", Stick 24' 7", Unit: Ton)



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